



Prepared for

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2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT HAMMOND ASH POND 4 (AP-4)

Prepared by

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CERTIFICATION STATEMENT

This 2025 *Semiannual Groundwater Monitoring and Corrective Action Report, Plant Hammond – Ash Pond 4 (AP-4)* has been prepared in compliance with the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Geosyntec Consultants, Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.



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February 27, 2026

Date

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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 2025 through December 2025 (referred herein as the “semiannual reporting period”) at the Georgia Power Company (Georgia Power) Plant Hammond Ash Pond 4 (AP-4) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, and by reference, Part A, Section 6¹ of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Hammond is located at 5963 Alabama Highway SW, approximately 10 miles west of Rome in Floyd County, Georgia. Dry ash stacking operations in AP-4 began in 1994 and continued until 2010; AP-4 received both fly ash and bottom ash during this period. AP-4 was capped in place in 2011 and 2012 in accordance with the GA EPD regulations for landfill closures. The GA EPD monitoring requirements incorporates by reference the federal regulations on this matter. As such, the federal CCR Rule is referenced in lieu of the GA EPD CCR regulations when discussing aspects of the groundwater monitoring program established for the Site. The Site is located on the western portion of the Plant Hammond property. The GA EPD approved closure permit no. 057-025D(CCR) for AP-4 on January 27, 2021. Georgia Power plans to perform closure by removal of CCR from AP- 4.



Plant Hammond and the Site

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-4 since August 2016. During the semiannual reporting period, Geosyntec conducted one groundwater sampling event in 2025.

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

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 III² constituents above background were observed in select monitoring wells following the August 2025 event, as summarized in the table below.

<i>Appendix III Constituent</i>	<i>August 2025</i>
Boron	HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, HGWC-118
Calcium	HGWC-102, HGWC-103, HGWC-105, HGWC-118
Chloride	HGWC-102, HGWC-103, HGWC-105
pH	HGWC-101
Sulfate	HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, HGWC-118
Total Dissolved Solids	HGWC-102, HGWC-103, HGWC-105

No statistically significant levels (SSLs) were identified for Appendix IV groundwater data from the August 2025 event³.

Based on review of the Appendix III and Appendix IV statistical results completed for the semiannual reporting period, the Site will continue in assessment monitoring. 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 GA EPD semiannually.

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

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

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LIST OF ACRONYMS AND ABBREVIATIONS

AP-4	Ash Pond 4
ASD	alternate source demonstration
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
GCL	geosynthetic clay liner
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
GWPS	Groundwater Protection Standard
HAR	Hydrogeologic Assessment Report
i	horizontal hydraulic gradient
K_h	horizontal hydraulic conductivity
MCL	Maximum Contaminant Level
mg/L	milligram per liter
n_e	effective porosity
NELAP	National Environmental Laboratory Accreditation Program
NTU	nephelometric turbidity units
ORP	oxidation-reduction potential
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 (federal CCR Rule) [40 Code of Federal Regulations (CFR) Part 257, Subpart D] and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, Geosyntec Consultants, Inc. (Geosyntec) has prepared this *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 4 (AP-4) for the reporting period of July 2025 through December 2025 (referred to herein as the “semiannual reporting period”).

Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements of the GA EPD Rules for Solid Waste Management 391-3-4-.10(6), but also in accordance with the federal CCR Rule, specifically § 257.90 through § 257.95. 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. Also, the closure permit issued by GA EPD (i.e., no. 057-025D(CCR)) stipulates that groundwater monitoring is required while CCR waste remains in place at the CCR unit and for no less than 5-years after removal of the material.

A permit application for AP-4 was submitted to GA EPD in November 2018. GA EPD approved closure permit no. 057-025D(CCR) for AP-4 on January 27, 2021.

Due to statistically significant increases (SSIs) of Appendix III constituents identified in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2019), Georgia Power initiated an assessment monitoring program for AP-4 in August 2019. Since then, Georgia Power has routinely sampled the AP-4 monitoring well network in accordance with the assessment monitoring program as outlined in § 257.95. This report includes the results of the semiannual assessment monitoring event conducted in August 2025.

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 in July 2019 and no longer produce electricity.

AP-4 was commissioned in 1986 as a surface impoundment with a corresponding surface area of approximately 54 acres. Dry ash stacking operations in AP-4 began in 1994 and continued until 2010; AP-4 received both fly ash and bottom ash during this period. AP-4 was capped in place in 2011-2012 in accordance with the GA EPD regulations regarding landfill closures. AP-4 was graded, engineered with drainage, and capped with a geosynthetic clay liner (GCL) and soil cover. Georgia Power plans to perform closure by removal of CCR from AP-4. The Closure Plan submitted to GA EPD as part of the closure permit application package describes the closure activities and requirements in accordance with GA EPD rules 391-3-4-.10(7)(a)2. and 391-3-4.10(9)(c)8. Closure permit no. 057-025D(CCR) was approved by GA EPD on January 27, 2021.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-4 as described in the *Hydrogeologic Assessment Report (Revision 01) – Ash Pond 4, Plant Hammond* (HAR Rev 01) submitted to GA EPD under separate cover in support of the AP-4 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-4 is underlain by the lower units of the Cambrian age Conasauga Formation, consisting of mostly calcareous shale. Based on review of subsurface investigations, the bedrock underneath AP-4 was described as predominantly shale. AP-4 is underlain primarily by five lithologic units: (i) terrace alluvium; (ii) colluvium; (iii) residuum; (iv) partially weathered shale bedrock; and (v) unweathered shale bedrock.

Based on subsurface investigations, the alluvial deposits generally grade from a silt and silty clay to a clayey sand and silty sand to a sand and gravelly sand at depth. The

colluvium consists of silty sand, silty clay with the presence of angular fragments of rocks/materials not expected in the lower units of the Conasauga, such as chert, sandstone, limestone, or coal. Residual or native soils have been derived from the in-place weathering of the shale bedrock. The residuum is generally described as brown to yellow brown firm clayey silt with weathered shale fragments. The partially weathered shale zone occurs as an intermediate weathering stage between the residuum and the unweathered shale bedrock. The weathered material is described as black to dark gray to dark red hard, fissile shale and claystone. The unweathered shale bedrock was not encountered or directly observed in the historical borings advanced at AP-4. However, based on geologic conditions in the region, weathering, fracturing and jointing decreases with depth and the weathered rock material grades into competent bedrock.

1.2.2 Hydrogeologic Setting

The uppermost aquifer at AP-4 is a regional groundwater aquifer that occurs primarily in the alluvium, colluvium, and residuum, but also to some degree within the weathered and fractured bedrock. Based on observations of alluvium, colluvium, and residuum soil types and horizontal conductivity values, the movement of groundwater in the soil can be characterized as low-to moderate permeability, porous media flow. The groundwater flow in the shallow underlying bedrock is characterized as fracture flow, and due to the preponderance of shale beneath AP-4, is expected to be very low permeability. Groundwater flow direction is generally from north to south.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-4 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.

A network of piezometers has been installed at the Site that are used to gauge water levels to define groundwater flow direction and gradients. The locations of the detection monitoring well network and piezometers associated with AP-4 are shown on **Figure 2**; well construction details are listed in **Table 1**.

2.0 GROUNDWATER MONITORING ACTIVITIES

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

2.1 Monitoring Well Installation and Maintenance

The well and piezometer networks are inspected semiannually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2025, the networks were 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-4 in August 2019. No SSLs of Appendix IV constituents were identified during this semiannual reporting period. Groundwater at AP-4 will continue to be managed under the assessment monitoring program stipulated by § 257.95.

For the semiannual reporting period, one semiannual assessment monitoring event was conducted in August 2025. The AP-4 wells sampled during this event and the dates associated with them are summarized in **Table 2**. The laboratory reports associated with the August 2025 groundwater sampling event are provided in **Appendix B**. Details of the event and analytical results are discussed in Section 3, while details of the statistical analyses performed are provided in Section 4 of this report.

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-4 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-4 wells and piezometers during the August 2025 assessment monitoring event and used to calculate the 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.

A surface water elevation was recorded from the surveyed gauging point located along Unnamed Creek east of AP-4, as shown on **Figure 2**.

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-4 area flows under the influence of topography from slightly higher ground surface elevations on the northern side of AP-4 toward lower elevations to the south of AP-4 along the Coosa River.

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the uppermost aquifer beneath AP-4 were calculated using the groundwater elevation data from the August 2025 event. The horizontal hydraulic gradient is commonly calculated between two points 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. Given the surface area covered by AP-4, horizontal hydraulic gradients were calculated along the eastern, central, and western portions of the unit. The well pairs correlating to these flow areas for August 2025 are: GWA-14 and GWC-19; HGWA-112 and GWC-4; and HGWA-111 and GWC-6. The supporting calculations are presented in **Table 4**. The general trajectory of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figure 3**. The presented hydraulic gradients from the three

portions were averaged for the semiannual reporting period to provide a representative gradient of 0.016 feet per foot (ft/ft) across AP-4.

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

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

where:

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

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

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

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = distance between location 1 and 2

n_e = Effective porosity

Aquifer testing was conducted by Southern Company Services in 2013 to evaluate hydraulic conditions in the vicinity of AP-4. Results of these field events are discussed in detail in the HAR Rev 01 (Geosyntec, 2020).

The groundwater flow velocity calculation is performed using the geometric mean for K_h of 1.67 ft/day. An estimated effective porosity (n_e) of 0.15 is used to represent average conditions for the silty clay alluvium/colluvium, derived based on review of literature, observed site lithology, and professional judgement. With these variables assigned, and accounting for the representative hydraulic gradient discussed above, the representative groundwater flow velocity underneath AP-4 was calculated to be 0.18 ft/day for the semiannual reporting period.

3.3 Groundwater Sampling Procedures

Groundwater samples were collected from the monitoring network using low-flow sampling procedures in accordance with § 257.93(a). Purging and sampling was

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

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

Following purging, and once stabilization was achieved, unfiltered samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to 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 the 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, 2023), 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 for the semiannual event 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 GWPS for the Appendix IV monitoring 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 reports 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, which 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 determine 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 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, and the most recent sample from each downgradient well is compared to the same limit for each constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are SSIs. An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient detection monitoring well exceeds the constituent's associated PL. The 1-of-2 resample

plan allows for collection of an independent resample. A confirmed exceedance is noted only when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective 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 SSL 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 exceedance 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 analyses presented in **Appendix C**, groundwater conditions have not returned to background and assessment monitoring should continue. 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. Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-4 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-4 was prepared to fulfill the requirements of the GA EPD Rules for Solid Waste Management 391-3-4-.10, and indirectly by reference the federal CCR Rule.

Statistical analyses of the groundwater monitoring data for AP-4 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-4 is scheduled to begin in February 2026.

7.0 REFERENCES

- Geosyntec, 2019. *2019 Annual Groundwater Monitoring & Corrective Action Report – Georgia Power Company, Plant Hammond Ash Pond 4 (AP-4)*. July 2019.
- Geosyntec, 2020. *Hydrogeologic Assessment Report (Revision 01) – Ash Pond 4 (AP-4), Plant Hammond*. May 2020.
- Geosyntec, 2021a. *2021 Annual Groundwater Monitoring and Corrective Action Report – Plant Hammond Ash Pond 4 (AP-4)*. July 2021.
- Geosyntec, 2021b. *Alternate Source Demonstration – Cobalt, Georgia Power Company, Plant Hammond Ash Pond 4*. October 2021.
- Geosyntec, 2023. *Groundwater Monitoring Plan, Plant Hammond – Ash Pond 4 (AP-4), Floyd County, Georgia*. September 2020, Revision 1 – March 2023 (minor permit mod).
- Golder, 2018. *Geologic and Hydrogeologic Report – Plant Hammond*. November 2018.
- Sanitas[™]: Groundwater Statistical Software, v. 9.6.05, 2018. Sanitas Technologies©, Boulder, CO.
- USEPA, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March 2009.
- USEPA, 2011. *Region IV Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September 2011.
- USEPA, 2017. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC. January 2017.

TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Hammond - Ash Pond 4
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 (Feet Below Top of Casing) ⁽³⁾	Groundwater Zone Screened	Installation Date
HGWA-47	Detection	Upgradient	1548990.96	1934171.84	577.39	580.33	546.84	536.84	43.74	Overburden/PWR	08/21/2020
HGWA-48D	Detection	Upgradient	1548989.39	1934178.15	577.29	580.26	517.54	507.54	72.97	Bedrock	08/20/2020
HGWC-101	Detection	Downgradient	1547725.50	1936369.58	575.91	578.85	551.31	541.31	37.94	Overburden	08/07/2012
HGWC-102	Detection	Downgradient	1547713.50	1936033.33	574.54	577.54	550.51	540.51	37.43	Overburden	08/07/2012
HGWC-103	Detection	Downgradient	1547848.88	1935732.96	577.76	580.79	553.51	543.51	37.68	Overburden	08/08/2012
HGWC-105	Detection	Downgradient	1547855.56	1935110.36	579.08	582.09	547.72	537.72	44.67	Overburden	08/08/2012
HGWC-107	Detection	Downgradient	1547909.99	1934442.24	576.43	579.31	551.51	541.51	38.20	Overburden	08/08/2012
HGWC-109	Detection	Downgradient	1548627.41	1934362.77	573.66	576.77	555.81	545.81	31.36	Overburden	08/15/2012
HGWA-111	Detection	Upgradient	1548834.26	1935222.81	588.79	591.75	558.48	548.48	43.67	Overburden	08/21/2012
HGWA-112	Detection	Upgradient	1548885.63	1935647.00	593.46	596.27	566.52	556.52	40.15	Overburden	08/21/2012
HGWA-113	Detection	Upgradient	1548944.62	1935990.09	592.07	594.58	568.87	558.87	36.11	Overburden	10/02/2012
HGWC-118	Detection	Downgradient	1547980.56	1936946.37	576.52	579.02	548.51	538.51	40.91	Overburden	10/01/2012
HGWC-117A	Detection	Downgradient	1548082.04	1937157.25	578.85	581.76	551.85	541.85	40.31	Overburden	07/21/2021
GWC-4	Piezometer	Downgradient	1547898.31	1935398.70	577.73	580.65	543.47	533.47	47.58	Overburden/PWR	08/08/2012
GWC-6	Piezometer	Downgradient	1547843.93	1934800.45	578.55	581.63	553.90	543.90	38.13	Overburden	08/13/2012
GWC-8	Piezometer	Downgradient	1548167.13	1934342.94	577.13	579.99	549.47	539.47	40.92	Overburden	08/09/2012
MW-12	Piezometer	Downgradient	1547853.78	1937525.46	580.59	583.27	555.84	545.84	37.83	Overburden	10/21/2014
GWA-14	Piezometer	Upgradient	1548982.59	1936642.58	589.70	592.14	561.40	551.40	41.14	Overburden	10/02/2012
GWA-15	Piezometer	Upgradient	1548766.17	1936808.47	588.37	591.56	571.44	561.44	30.52	Overburden	08/22/2012
GWA-16	Piezometer	Upgradient	1548592.74	1937210.99	579.58	582.55	569.94	559.94	23.01	Overburden	08/21/2012
GWC-19	Piezometer	Downgradient	1547892.89	1936572.97	576.90	579.83	554.04	544.04	36.19	Overburden	08/14/2012

- 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 completed by GEL solutions dated May 10, 2020, September 10, 2020 (for HGWA-47 and HGWA-48D), and September 8, 2021 (for HGWA-117).
 - (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 4
Floyd County, GA

Well ID	Hydraulic Location	Well Designation	August 05 2025 - August 07 2025
			Assessment Event
Georgia Power Company - Plant Hammond Ash Pond 4			
HGWA-47	Upgradient	Detection	X
HGWA-48D	Upgradient	Detection	X
HGWC-101	Downgradient	Detection	X
HGWC-102	Downgradient	Detection	X
HGWC-103	Downgradient	Detection	X
HGWC-105	Downgradient	Detection	X
HGWC-107	Downgradient	Detection	X
HGWC-109	Downgradient	Detection	X
HGWA-111	Upgradient	Detection	X
HGWA-112	Upgradient	Detection	X
HGWA-113	Upgradient	Detection	X
HGWC-118	Downgradient	Detection	X
HGWC-117A	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 4
Floyd County, GA

Well ID	Top of Casing Elevation (feet) ⁽¹⁾	August 2025	
		Depth to Water (feet)	Groundwater Elevation (feet) ⁽¹⁾
HGWA-47	580.33	7.15	573.18
HGWA-48D	580.26	7.10	573.16
HGWC-101	578.85	12.53	566.32
HGWC-102	577.54	12.57	564.97
HGWC-103	580.79	12.68	568.11
HGWC-105	582.09	17.44	564.65
HGWC-107	579.31	14.70	564.61
HGWC-109	576.77	7.76	569.01
HGWA-111	591.75	11.25	580.50
HGWA-112	596.27	11.10	585.17
HGWA-113	594.58	9.55	585.03
HGWC-118	579.02	13.05	565.97
GWC-4	580.65	12.40	568.25
GWC-6	581.63	16.82	564.81
GWC-8	579.99	12.39	567.60
MW-12	583.27	18.35	564.92
GWA-14	592.14	6.62	585.52
GWA-15	591.56	8.02	583.54
GWA-16	582.55	5.22	577.33
GWC-19	579.83	12.30	567.53
HGWC-117A	581.76	16.41	565.35
Unnamed Creek	580.14	15.12	565.02

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 4
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)	Average 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)	Average Hydraulic Gradient (i) (ft/ft)	Average Groundwater Flow Velocity (V) (ft/day)
August 2025	GWA-14 to GWC-19	585.52	567.53	17.99	1,094.7	0.016	1.67	0.15	0.18	66.8	0.016	0.18
August 2025	HGWA-112 to GWC-4	585.17	568.25	16.92	1,020.0	0.017	1.67	0.15	0.18	67.4		
August 2025	HGWA-111 to GWC-6	580.50	564.81	15.69	1,078.9	0.015	1.67	0.15	0.16	59.1		

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 1.67 feet per day (ft/day) was computed from slug test data derived from AP-4.
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 (h₁ and h₂ = groundwater elevation at location 1 and 2)
L = distance between location 1 and 2 along the flow path. See Figure 3 for illustrated flow paths.
(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 4
 Floyd County, GA

Sample Location	HGWA-47	HGWA-48D	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWA-111	HGWA-112	HGWA-113	HGWC-118	HGWC-117A	
Sample Date	08/05/2025	08/05/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/06/2025	08/06/2025	08/06/2025	08/07/2025	08/07/2025	
ANALYTE	UNITS													
APPENDIX III														
Boron	mg/L	< 0.0062	0.012 J	0.19	5.0	8.3	1.6	0.90	0.20 J	0.0074 J	0.0069 J	0.010 J	0.67	0.36
Calcium	mg/L	70.5	59.7	23.2	158	202	149	55.2	45.2	52.2	6.7	8.6	74.3	59.3
Chloride	mg/L	2.9	2.8	5.4	9.9	11.0	9.4	3.1	3.7	3.1	5.1	1.5	4.1	5.0
Fluoride	mg/L	0.076 J	0.086 J	0.065 J	0.067 J	0.076 J	0.065 J	0.065 J	0.13	0.097 J	0.062 J	0.21	0.11	0.098 J
pH, Field	SU	7.35	7.41	5.39	5.84	5.87	6.35	6.10	6.79	7.03	5.52	6.01	6.98	6.63
Sulfate	mg/L	2.2	2.7	83.9	336	443	235	95.5	19.6	1.3	< 0.50	4.9	67.9	75.5
TDS	mg/L	224	229	223	920	1180	744	296	206	194	69.0	91.0	331	286
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	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0020	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.027	0.11	0.037	0.034	0.038	0.079	0.035	0.078	0.028	0.026	0.031	0.037	0.044
Beryllium	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	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	0.00016 J	0.00098	0.00080	< 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	0.0019 J	0.0048 J	0.0029 J	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	0.0027 J	0.0026 J	0.0040 J	0.0019 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00341	0.00583	< 0.000600	0.00119 J	0.00132 J	0.00523	0.000872 J	0.000689 J	0.00256	< 0.000600	0.00105 J	0.00204	0.00460
Mercury	mg/L	< 0.000091	< 0.000091	< 0.000091	< 0.000091	0.00035	< 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	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Combined Radium 226 + 228	pCi/L	0.323 U	0.832 U	1.87	1.47	0.656 U	0.512 U	0.553 U	0.853 U	0.639 U	0.501 U	0.0693 U	0.662 U	0.367 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0019 J	0.0017 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0033 J	< 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	< 0.00015
Fluoride	mg/L	0.076 J	0.086 J	0.065 J	0.067 J	0.076 J	0.065 J	0.065 J	0.13	0.097 J	0.062 J	0.21	0.11	0.098 J

Notes:

mg/L - milligrams per liter

pCi/L - picocuries per liter

SU - Standard Units

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 4
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		0.002	0.01
Barium	mg/L	2		0.12	2
Beryllium	mg/L	0.004		0.0019	0.004
Cadmium	mg/L	0.005		0.0005	0.005
Chromium	mg/L	0.1		0.0061	0.1
Cobalt	mg/L		0.006	0.005	0.006
Combined Radium 226 + 228	pCi/L	5		1.28	5
Fluoride	mg/L	4		0.23	4
Lead	mg/L		0.015	0.0016	0.015
Lithium	mg/L		0.040	0.0063	0.040
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 Combustion Residuals

EPA = Environmental Protection Agency

GWPS = Groundwater Protection Standard

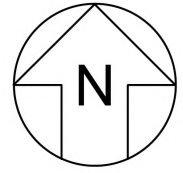
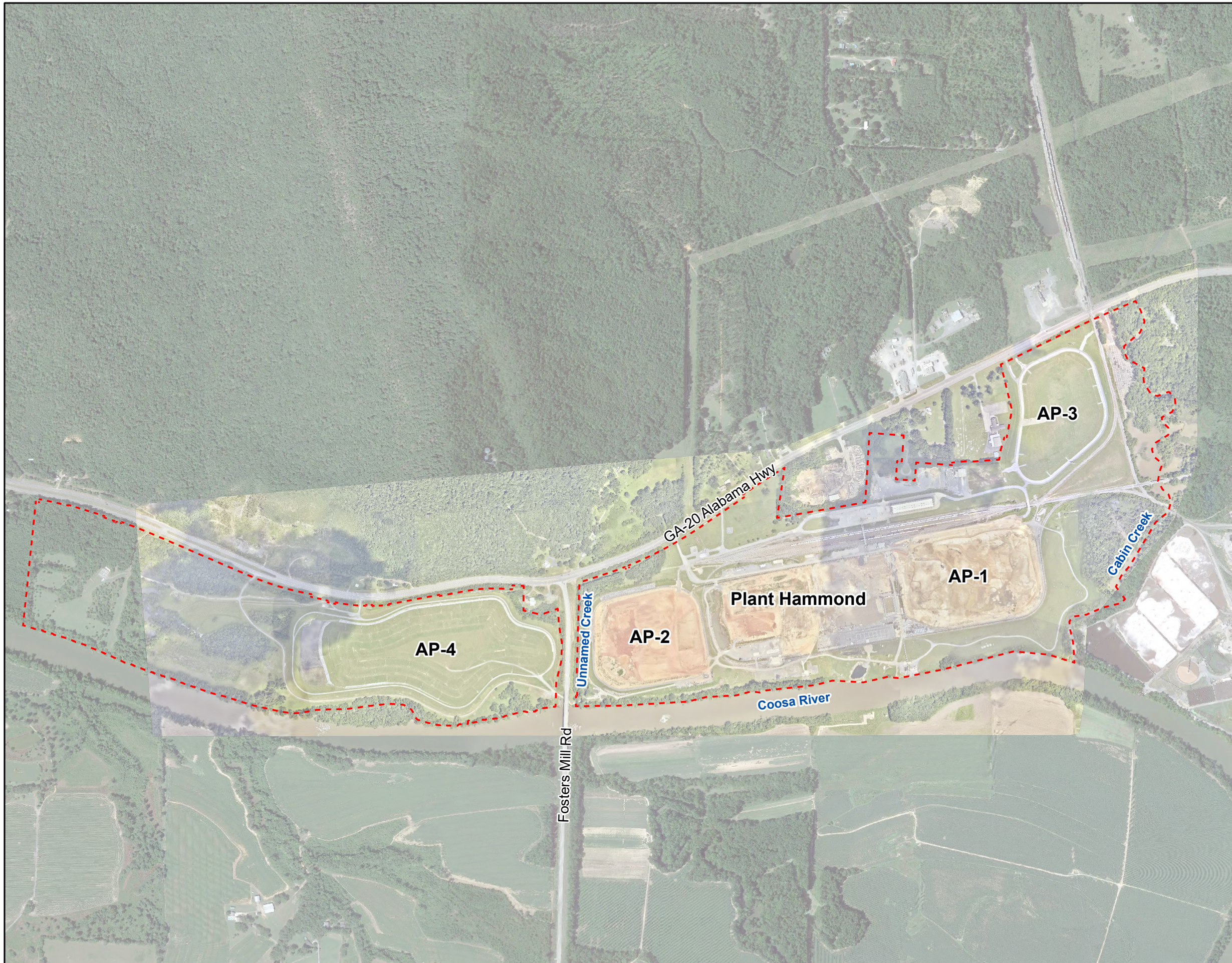
MCL = Maximum Contaminant Level

mg/L = milligrams 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 §§141.62 and 141.66 of this title; (ii) where an MCL has not been established a rule-specific GWPS; or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

FIGURES



LEGEND

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

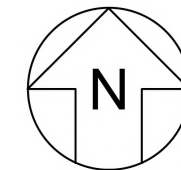
GEORGIA POWER COMPANY
 PLANT HAMMOND AP-4
 ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec
 consultants

FIGURE
1

KENNESAW, GA FEBRUARY 2026



- LEGEND**
- Detection Monitoring Well
 - Piezometer
 - Surface Water Level Gauge Point
 - Unnamed Creek
 - Approximate AP-4 Boundary
 - Plant Hammond Property Boundary

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



**MONITORING WELL NETWORK
 AND SAMPLING LOCATION MAP**

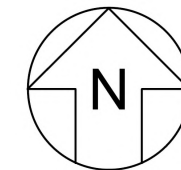
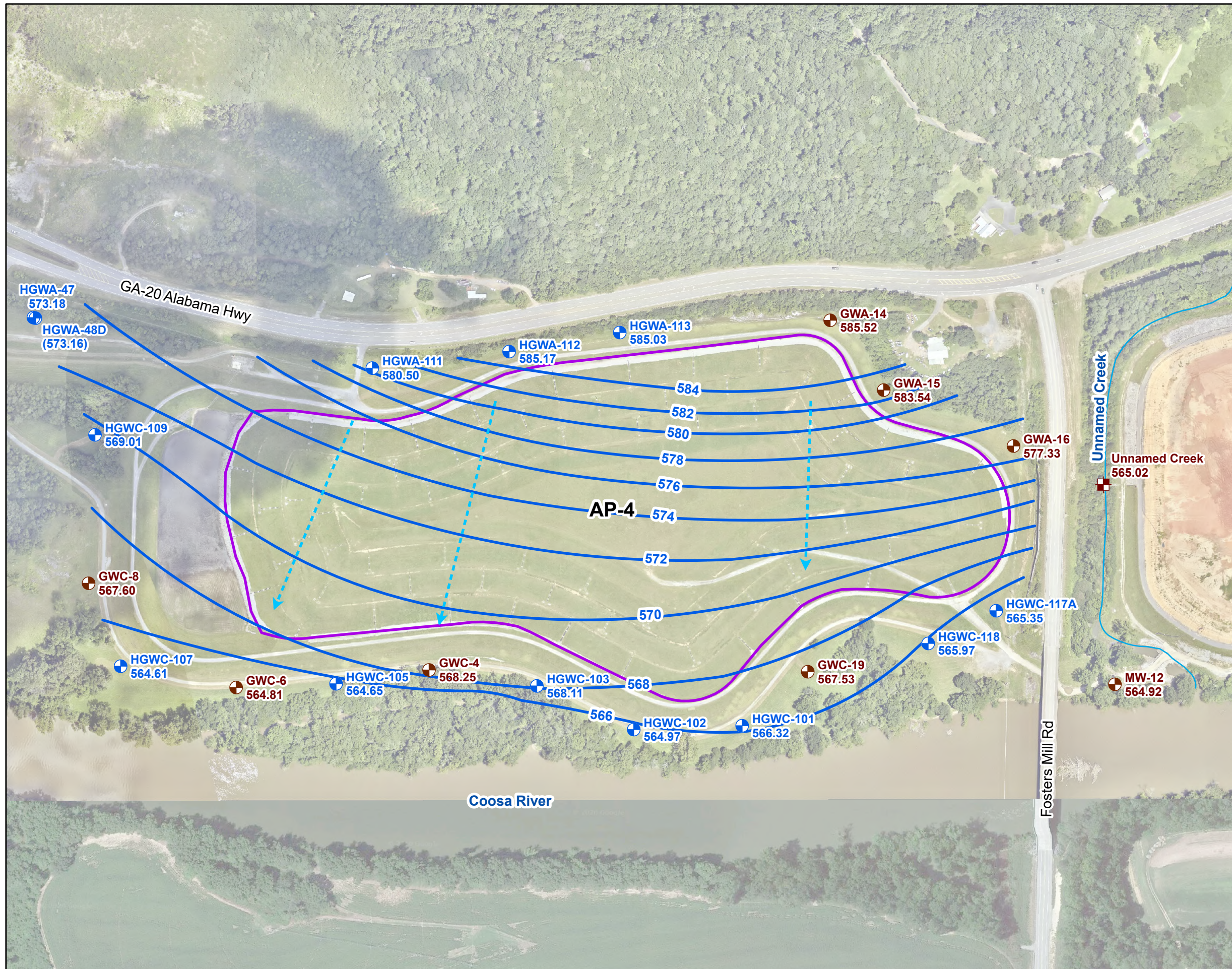
GEORGIA POWER COMPANY
 PLANT HAMMOND AP-4
 ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec
 consultants

**FIGURE
 2**

KENNESAW, GA FEBRUARY 2026



- LEGEND**
- Detection Monitoring Well
 - Piezometer
 - Surface Water Level Gauge Point
 - Groundwater Elevation Contour
 - Approximate Groundwater Flow Direction
 - Unnamed Creek
 - Approximate AP-4 Boundary
 - Plant Hammond Property Boundary



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.



SCALE IN FEET

**POTENTIOMETRIC SURFACE
 CONTOUR MAP - AUGUST 2025**

GEORGIA POWER COMPANY
 PLANT HAMMOND AP-4
 ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec
 consultants

**FIGURE
 3**

KENNESAW, GA FEBRUARY 2026

APPENDIX A

Well Maintenance and Repair Documentation Memorandum

MEMORANDUM

DATE: January 5, 2026

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 4 (AP-4) – 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 4 (AP-4) 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-4	8/4/2025	All Wells	Checked and cleared weep holes of debris.

Attachment

Well Inspection Summary Table

Well Inspection

Site Name: Plant Hammond AP-4

Date: 08/04/2025

Permit Number: 057-025D (CCR)

Field Conditions: Partly Cloudy, 65° F

	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)
Well ID:				
HGWA-47	Yes	Yes	No	Yes
HGWA-48D	Yes	Yes	No	Yes
HGWA-111	Yes	Yes	No	Yes
HGWA-112	Yes	Yes	No	Yes
HGWA-113	Yes	Yes	No	Yes
HGWC-101	Yes	Yes	No	Yes
HGWC-102	Yes	Yes	No	Yes
HGWC-103	Yes	Yes	No	Yes
HGWC-105	Yes	Yes	No	Yes
HGWC-107	Yes	Yes	No	Yes
HGWC-109	Yes	Yes	No	Yes
HGWC-117A	Yes	Yes	No	Yes
HGWC-118	Yes	Yes	No	Yes
GWC-4	Yes	Yes	No	Yes
GWC-6	Yes	Yes	No	Yes
GWC-8	Yes	Yes	No	Yes
GWA-14	Yes	Yes	No	Yes
GWA-15	Yes	Yes	No	Yes
GWC-16	Yes	Yes	No	Yes
GWC-19	Yes	Yes	No	Yes
MW-12	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Hammond AP-4

Date: 08/04/2025

Permit Number: 057-025D (CCR)

Field Conditions: Partly Cloudy, 65° F

	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
Well ID:					
HGWA-47	Yes	Yes	Yes	Yes	Yes
HGWA-48D	Yes	Yes	Yes	Yes	Yes
HGWA-111	Yes	Yes	Yes	Yes	Yes
HGWA-112	Yes	Yes	Yes	Yes	Yes
HGWA-113	Yes	Yes	Yes	Yes	Yes
HGWC-101	Yes	Yes	Yes	Yes	Yes
HGWC-102	Yes	Yes	Yes	Yes	Yes
HGWC-103	Yes	Yes	Yes	Yes	Yes
HGWC-105	Yes	Yes	Yes	Yes	Yes
HGWC-107	Yes	Yes	Yes	Yes	Yes
HGWC-109	Yes	Yes	Yes	Yes	Yes
HGWC-117A	Yes	Yes	Yes	Yes	Yes
HGWC-118	Yes	Yes	Yes	Yes	Yes
GWC-4	Yes	Yes	Yes	Yes	Yes
GWC-6	Yes	Yes	Yes	Yes	Yes
GWC-8	Yes	Yes	Yes	Yes	Yes
GWA-14	Yes	Yes	Yes	Yes	Yes
GWA-15	Yes	Yes	Yes	Yes	Yes
GWC-16	Yes	Yes	Yes	Yes	Yes
GWC-19	Yes	Yes	Yes	Yes	Yes
MW-12	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-4

Date: 08/04/2025

Permit Number: 057-025D (CCR)

Field Conditions: Partly Cloudy, 65° F

	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
Well ID:						
HGWA-47	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-48D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-111	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-112	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-113	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-101	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-102	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-103	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-105	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-107	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-109	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-117A	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-118	Yes	Yes	Yes	Yes	Yes	Yes
GWC-4	Yes	Yes	Yes	Yes	Yes	Yes
GWC-6	Yes	Yes	Yes	Yes	Yes	Yes
GWC-8	Yes	Yes	Yes	Yes	Yes	Yes
GWA-14	Yes	Yes	Yes	Yes	Yes	Yes
GWA-15	Yes	Yes	Yes	Yes	Yes	Yes
GWC-16	Yes	Yes	Yes	Yes	Yes	Yes
GWC-19	Yes	Yes	Yes	Yes	Yes	Yes
MW-12	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-4

Date: 08/04/2025

Permit Number: 057-025D (CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Corrective actions as needed, by date:
HGWA-47	None
HGWA-48D	None
HGWA-111	None
HGWA-112	None
HGWA-113	None
HGWC-101	None
HGWC-102	None
HGWC-103	None
HGWC-105	None
HGWC-107	None
HGWC-109	None
HGWC-117A	None
HGWC-118	None
GWC-4	None
GWC-6	None
GWC-8	None
GWA-14	None
GWA-15	None
GWC-16	None
GWC-19	None
MW-12	None

APPENDIX B

Laboratory Analytical and Field Sampling Reports

LABORATORY ANALYTICAL RESULTS



August 29, 2025

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

RE: Project: Plant Hammond-AP-4
Pace Project No.: 92811505

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 06, 2025 and August 08, 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122

Alabama Certification #: 40660

Alaska Certification 17-026

Arizona Certification #: AZ0612

Arkansas Certification #: 88-0469

California Certification #: 2932

Canada Certification #: 1461.01

Colorado Certification #: TN00003

Connecticut Certification #: PH-0197

DOD Certification: #1461.01

EPA# TN00003

Florida Certification #: E87487

Georgia DW Certification #: 923

Georgia Certification: NELAP

Idaho Certification #: TN00003

Illinois Certification #: 200008

Indiana Certification #: C-TN-01

Iowa Certification #: 364

Kansas Certification #: E-10277

Kentucky UST Certification #: 16

Kentucky Certification #: 90010

Louisiana Certification #: AI30792

Louisiana DW Certification #: LA180010

Maine Certification #: TN0002

Maryland Certification #: 324

Massachusetts Certification #: M-TN003

Michigan Certification #: 9958

Minnesota Certification #: 047-999-395

Mississippi Certification #: TN00003

Missouri Certification #: 340

Montana Certification #: CERT0086

Nebraska Certification #: NE-OS-15-05

Nevada Certification #: TN-03-2002-34

New Hampshire Certification #: 2975

New Jersey Certification #: TN002

New Mexico DW Certification

New York Certification #: 11742

North Carolina Aquatic Toxicity Certification #: 41

North Carolina Drinking Water Certification #: 21704

North Carolina Environmental Certificate #: 375

North Dakota Certification #: R-140

Ohio VAP Certification #: CL0069

Oklahoma Certification #: 9915

Oregon Certification #: TN200002

Pennsylvania Certification #: 68-02979

Rhode Island Certification #: LAO00356

South Carolina Certification #: 84004

South Dakota Certification

Tennessee DW/Chem/Micro Certification #: 2006

Texas Certification #: T 104704245-17-14

Texas Mold Certification #: LAB0152

USDA Soil Permit #: P330-15-00234

Utah Certification #: TN00003

Virginia Certification #: VT2006

Vermont Dept. of Health: ID# VT-2006

Virginia Certification #: 460132

Washington Certification #: C847

West Virginia Certification #: 233

Wisconsin Certification #: 998093910

Wyoming UST Certification #: via A2LA 2926.01

A2LA-ISO 17025 Certification #: 1461.01

A2LA-ISO 17025 Certification #: 1461.02

AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172

Alaska Dept. of Energy Conservation, Cert# 20-002

California ELAP, cert# 3049

DoD, DoD QSM V5.4, cert# I.2224

DOE, DoD/DOE QSM V5.4, cert# I.2224.01

Florida, Dept. of Health, cert# E87653-70

Georgia, Env. Protection Division, cert# E87653

Illinois, EPA NELAP, cert# 2000552024-9

Kansas, Dept. of Health and Environment, cert# E-10417

Kentucky, Dept. for Env. Protection, UST, cert# 103582

Kentucky, Dept. for Env. Protection, cert# 98037

Louisiana, Dept. of Environmental Quality, cert# 5125

North Carolina, DEQ, Water Resources, cert# 329

New Jersey, Dept. of Env. Protection, cert# NLC 240005

Oklahoma, Dept. of Env. Quality, cert# 2023-175

Oregon, ELAP, cert# 4181-006

Pennsylvania, Dept. of Env. Protection, cert# 003

South Carolina, Dept. of Env. Services, cert# 32010001

Texas, Commission on Env. Quality, cert# TX-C24-00083

Virginia, Dept. of General Services, cert# 13080

Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811505001	HAM-HGWA-47	Water	08/05/25 16:00	08/06/25 15:50
92811505002	HAM-HGWA-48D	Water	08/05/25 15:42	08/06/25 15:50
92811505003	HAM-HGWA-111	Water	08/06/25 10:43	08/08/25 15:50
92811505004	HAM-HGWA-112	Water	08/06/25 12:12	08/08/25 15:50
92811505005	HAM-HGWA-113	Water	08/06/25 15:37	08/08/25 15:50
92811505006	HAM-HGWC-101	Water	08/07/25 11:05	08/08/25 15:50
92811505007	HAM-HGWC-102	Water	08/07/25 09:47	08/08/25 15:50
92811505008	HAM-HGWC-103	Water	08/07/25 09:57	08/08/25 15:50
92811505009	HAM-HGWC-105	Water	08/07/25 11:34	08/08/25 15:50
92811505010	HAM-HGWC-107	Water	08/07/25 13:56	08/08/25 15:50
92811505011	HAM-HGWC-109	Water	08/07/25 15:44	08/08/25 15:50
92811505012	HAM-HGWC-117A	Water	08/07/25 13:28	08/08/25 15:50
92811505013	HAM-HGWC-118	Water	08/07/25 15:15	08/08/25 15:50
92811505014	HAM-AP4-FD-01	Water	08/07/25 00:00	08/08/25 15:50
92811505015	HAM-AP4-EB-01	Water	08/07/25 16:35	08/08/25 15:50
92811505016	HAM-AP4-FB-01	Water	08/07/25 16:30	08/08/25 15:50
92811505017	HAM-AP4-FD-02	Water	08/07/25 00:00	08/08/25 15:50
92811505018	HAM-AP4-EB-02	Water	08/07/25 15:02	08/08/25 15:50
92811505019	HAM-AP4-FB-02	Water	08/07/25 15:05	08/08/25 15:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811505001	HAM-HGWA-47	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
92811505002	HAM-HGWA-48D	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
92811505003	HAM-HGWA-111	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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811505004	HAM-HGWA-112	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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811505005	HAM-HGWA-113	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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811505006	HAM-HGWC-101	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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811505007	HAM-HGWC-102	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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811505008	HAM-HGWC-103	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811505009	HAM-HGWC-105	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
		EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92811505010	HAM-HGWC-107	EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	13	PASI-WC
92811505011	HAM-HGWC-109	EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811505012	HAM-HGWC-117A	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	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
		EPA 6020B	JPD	1	PAN
92811505013	HAM-HGWC-118	SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
		EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
92811505014	HAM-AP4-FD-01	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
		EPA 6020B	JPD	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92811505015	HAM-AP4-EB-01	EPA 6020B	CBP, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	13	PASI-WC

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811505016	HAM-AP4-FB-01	EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	13	PASI-WC
92811505017	HAM-AP4-FD-02	EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	13	PASI-WC
92811505018	HAM-AP4-EB-02	EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	13	PASI-WC
92811505019	HAM-AP4-FB-02	EPA 7470A	KAJ1	1	PASI-WC
		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	CBP, JJM1	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

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92811505001	HAM-HGWA-47					
EPA 6020B	Lithium	0.00341	mg/L	0.00200	08/27/25 18:56	
SM 2540C-2020	Total Dissolved Solids	224	mg/L	25.0	08/09/25 15:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	08/08/25 02:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/08/25 02:08	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	08/08/25 02:08	
EPA 6020B	Barium	0.027	mg/L	0.0050	08/13/25 23:35	
EPA 6020B	Calcium	70.5	mg/L	2.0	08/15/25 22:18	
92811505002	HAM-HGWA-48D					
EPA 6020B	Lithium	0.00583	mg/L	0.00200	08/27/25 18:59	
SM 2540C-2020	Total Dissolved Solids	229	mg/L	25.0	08/09/25 15:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	08/08/25 02:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.10	08/08/25 02:23	
EPA 300.0 Rev 2.1 1993	Sulfate	2.7	mg/L	1.0	08/08/25 02:23	
EPA 6020B	Barium	0.11	mg/L	0.0050	08/13/25 23:44	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/13/25 23:44	
EPA 6020B	Calcium	59.7	mg/L	2.0	08/15/25 22:28	
92811505003	HAM-HGWA-111					
EPA 6020B	Lithium	0.00256	mg/L	0.00200	08/29/25 14:33	
SM 2540C-2020	Total Dissolved Solids	194	mg/L	25.0	08/12/25 12:11	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/12/25 05:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.097J	mg/L	0.10	08/12/25 05:20	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	08/12/25 05:20	
EPA 6020B	Barium	0.028	mg/L	0.0050	08/18/25 17:11	
EPA 6020B	Boron	0.0074J	mg/L	0.040	08/19/25 11:53	
EPA 6020B	Calcium	52.2	mg/L	0.40	08/18/25 17:11	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	08/18/25 17:11	B
92811505004	HAM-HGWA-112					
SM 2540C-2020	Total Dissolved Solids	69.0	mg/L	25.0	08/12/25 12:11	
EPA 300.0 Rev 2.1 1993	Chloride	5.1	mg/L	1.0	08/12/25 06:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	08/12/25 06:05	
EPA 6020B	Barium	0.026	mg/L	0.0050	08/18/25 17:15	
EPA 6020B	Boron	0.0069J	mg/L	0.040	08/19/25 12:02	
EPA 6020B	Calcium	6.7	mg/L	0.40	08/18/25 17:15	
EPA 6020B	Chromium	0.0048J	mg/L	0.0050	08/18/25 17:15	B
92811505005	HAM-HGWA-113					
EPA 6020B	Lithium	0.00105J	mg/L	0.00200	08/29/25 14:49	J
SM 2540C-2020	Total Dissolved Solids	91.0	mg/L	25.0	08/12/25 12:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	08/12/25 06:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	08/12/25 06:20	
EPA 300.0 Rev 2.1 1993	Sulfate	4.9	mg/L	1.0	08/12/25 06:20	
EPA 6020B	Barium	0.031	mg/L	0.0050	08/18/25 17:18	
EPA 6020B	Boron	0.010J	mg/L	0.040	08/19/25 12:10	
EPA 6020B	Calcium	8.6	mg/L	0.40	08/18/25 17:18	
EPA 6020B	Chromium	0.0029J	mg/L	0.0050	08/18/25 17:18	B
EPA 6020B	Selenium	0.0033J	mg/L	0.0050	08/18/25 17:18	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92811505006	HAM-HGWC-101					
SM 2540C-2020	Total Dissolved Solids	223	mg/L	25.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	08/12/25 06:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/12/25 06:34	
EPA 300.0 Rev 2.1 1993	Sulfate	83.9	mg/L	3.0	08/12/25 20:24	
EPA 6020B	Barium	0.037	mg/L	0.0050	08/18/25 17:22	
EPA 6020B	Boron	0.19	mg/L	0.040	08/19/25 12:19	
EPA 6020B	Cadmium	0.00016J	mg/L	0.00050	08/18/25 17:22	
EPA 6020B	Calcium	23.2	mg/L	0.40	08/18/25 17:22	
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	08/18/25 17:22	
92811505007	HAM-HGWC-102					
EPA 6020B	Lithium	0.00119J	mg/L	0.00200	08/29/25 14:55	J
SM 2540C-2020	Total Dissolved Solids	920	mg/L	50.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	9.9	mg/L	1.0	08/12/25 06:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	08/12/25 06:49	M1
EPA 300.0 Rev 2.1 1993	Sulfate	336	mg/L	10.0	08/12/25 20:41	M1
EPA 6020B	Barium	0.034	mg/L	0.0050	08/18/25 17:26	
EPA 6020B	Boron	5.0	mg/L	0.80	08/19/25 12:27	
EPA 6020B	Cadmium	0.00098	mg/L	0.00050	08/18/25 17:26	
EPA 6020B	Calcium	158	mg/L	8.0	08/19/25 12:27	
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	08/18/25 17:26	
92811505008	HAM-HGWC-103					
EPA 6020B	Lithium	0.00132J	mg/L	0.00200	08/29/25 15:05	J
SM 2540C-2020	Total Dissolved Solids	1180	mg/L	50.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	11.0	mg/L	1.0	08/12/25 07:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/12/25 07:34	
EPA 300.0 Rev 2.1 1993	Sulfate	443	mg/L	10.0	08/12/25 21:30	
EPA 6020B	Barium	0.038	mg/L	0.0050	08/18/25 17:30	
EPA 6020B	Boron	8.3	mg/L	2.0	08/19/25 12:36	
EPA 6020B	Cadmium	0.00080	mg/L	0.00050	08/18/25 17:30	
EPA 6020B	Calcium	202	mg/L	20.0	08/19/25 12:36	
EPA 6020B	Cobalt	0.0040J	mg/L	0.0050	08/18/25 17:30	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	08/18/25 17:30	
EPA 7470A	Mercury	0.00035	mg/L	0.00020	08/16/25 20:43	
92811505009	HAM-HGWC-105					
EPA 6020B	Lithium	0.00523	mg/L	0.00200	08/29/25 15:08	
SM 2540C-2020	Total Dissolved Solids	744	mg/L	50.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	9.4	mg/L	1.0	08/12/25 07:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/12/25 07:49	
EPA 300.0 Rev 2.1 1993	Sulfate	235	mg/L	7.0	08/12/25 21:47	
EPA 6020B	Barium	0.079	mg/L	0.0050	08/18/25 17:34	
EPA 6020B	Boron	1.6	mg/L	0.40	08/19/25 12:44	
EPA 6020B	Calcium	149	mg/L	4.0	08/19/25 12:44	
EPA 6020B	Cobalt	0.0019J	mg/L	0.0050	08/18/25 17:34	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	08/18/25 17:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811505010	HAM-HGWC-107					
EPA 6020B	Lithium	0.000872J	mg/L	0.00200	08/29/25 15:11	J
SM 2540C-2020	Total Dissolved Solids	296	mg/L	25.0	08/14/25 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/12/25 08:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/12/25 08:03	
EPA 300.0 Rev 2.1 1993	Sulfate	95.5	mg/L	3.0	08/12/25 22:03	
EPA 6020B	Barium	0.035	mg/L	0.0050	08/18/25 17:38	
EPA 6020B	Boron	0.90	mg/L	0.40	08/19/25 12:53	
EPA 6020B	Calcium	55.2	mg/L	4.0	08/19/25 12:53	
92811505011	HAM-HGWC-109					
EPA 6020B	Lithium	0.000689J	mg/L	0.00200	08/29/25 15:14	J
SM 2540C-2020	Total Dissolved Solids	206	mg/L	25.0	08/14/25 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	3.7	mg/L	1.0	08/12/25 08:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	08/12/25 08:18	
EPA 300.0 Rev 2.1 1993	Sulfate	19.6	mg/L	1.0	08/12/25 08:18	
EPA 6020B	Arsenic	0.0020	mg/L	0.0020	08/18/25 17:42	
EPA 6020B	Barium	0.078	mg/L	0.0050	08/18/25 17:42	
EPA 6020B	Boron	0.20J	mg/L	0.20	08/19/25 13:19	
EPA 6020B	Calcium	45.2	mg/L	0.40	08/18/25 17:42	
92811505012	HAM-HGWC-117A					
EPA 6020B	Lithium	0.00460	mg/L	0.00200	08/29/25 15:18	
SM 2540C-2020	Total Dissolved Solids	286	mg/L	25.0	08/14/25 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	08/12/25 09:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.098J	mg/L	0.10	08/12/25 09:03	
EPA 300.0 Rev 2.1 1993	Sulfate	75.5	mg/L	1.0	08/12/25 09:03	
EPA 6020B	Barium	0.044	mg/L	0.0050	08/18/25 17:46	
EPA 6020B	Boron	0.36	mg/L	0.20	08/19/25 13:27	
EPA 6020B	Calcium	59.3	mg/L	2.0	08/19/25 13:27	
92811505013	HAM-HGWC-118					
EPA 6020B	Lithium	0.00204	mg/L	0.00200	08/29/25 15:21	
SM 2540C-2020	Total Dissolved Solids	331	mg/L	25.0	08/14/25 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	08/12/25 09:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/12/25 09:18	
EPA 300.0 Rev 2.1 1993	Sulfate	67.9	mg/L	1.0	08/12/25 09:18	
EPA 6020B	Barium	0.037	mg/L	0.0050	08/18/25 17:58	
EPA 6020B	Boron	0.67	mg/L	0.20	08/19/25 13:36	M1
EPA 6020B	Calcium	74.3	mg/L	2.0	08/19/25 13:36	M1
92811505014	HAM-AP4-FD-01					
EPA 6020B	Lithium	0.00498	mg/L	0.00200	08/29/25 15:24	
SM 2540C-2020	Total Dissolved Solids	730	mg/L	50.0	08/14/25 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	9.1	mg/L	1.0	08/12/25 09:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/12/25 09:32	
EPA 300.0 Rev 2.1 1993	Sulfate	234	mg/L	7.0	08/12/25 22:20	
EPA 6020B	Barium	0.082	mg/L	0.0050	08/18/25 18:18	
EPA 6020B	Boron	1.6	mg/L	0.40	08/19/25 14:18	
EPA 6020B	Calcium	136	mg/L	4.0	08/19/25 14:18	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811505014	HAM-AP4-FD-01					
EPA 6020B	Cobalt	0.0020J	mg/L	0.0050	08/18/25 18:18	
EPA 6020B	Selenium	0.0018J	mg/L	0.0050	08/18/25 18:18	
92811505015	HAM-AP4-EB-01					
EPA 6020B	Calcium	0.12J	mg/L	0.40	08/18/25 18:22	
92811505016	HAM-AP4-FB-01					
EPA 6020B	Chromium	0.0020J	mg/L	0.0050	08/18/25 18:26	B
92811505017	HAM-AP4-FD-02					
SM 2540C-2020	Total Dissolved Solids	229	mg/L	25.0	08/14/25 12:03	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	08/12/25 09:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/12/25 09:47	M1
EPA 300.0 Rev 2.1 1993	Sulfate	87.3	mg/L	3.0	08/12/25 22:37	M1
EPA 6020B	Barium	0.035	mg/L	0.0050	08/18/25 18:30	
EPA 6020B	Boron	0.19	mg/L	0.040	08/19/25 15:01	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	08/18/25 18:30	
EPA 6020B	Calcium	22.8	mg/L	0.40	08/18/25 18:30	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	08/18/25 18:30	
92811505018	HAM-AP4-EB-02					
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	08/18/25 18:34	B

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWA-47 **Lab ID: 92811505001** Collected: 08/05/25 16:00 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B

Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	0.00341	mg/L	0.00200	0.000600	1	08/14/25 08:53	08/27/25 18:56	7439-93-2	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2020
Pace Analytical Services - Asheville

Total Dissolved Solids	224	mg/L	25.0	25.0	1		08/09/25 15:48		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.9	mg/L	1.0	0.60	1		08/08/25 02:08	16887-00-6	
Fluoride	0.076J	mg/L	0.10	0.050	1		08/08/25 02:08	16984-48-8	
Sulfate	2.2	mg/L	1.0	0.50	1		08/08/25 02:08	14808-79-8	

WC 6020B MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - West Columbia

Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 23:35	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 23:35	7440-38-2	
Barium	0.027	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 23:35	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 23:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 23:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 23:35	7440-43-9	
Calcium	70.5	mg/L	2.0	0.50	5	08/11/25 20:04	08/15/25 22:18	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 23:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 09:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 23:35	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 23:35	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 23:35	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 23:35	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 17:59	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWA-48D Lab ID: 92811505002 Collected: 08/05/25 15:42 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Metals (ICPMS) 6020B									
Analytical Method: EPA 6020B Preparation Method: 3015									
Pace National - Mt. Juliet									
Lithium	0.00583	mg/L	0.00200	0.000600	1	08/14/25 08:53	08/27/25 18:59	7439-93-2	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2020									
Pace Analytical Services - Asheville									
Total Dissolved Solids	229	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	2.8	mg/L	1.0	0.60	1		08/08/25 02:23	16887-00-6	
Fluoride	0.086J	mg/L	0.10	0.050	1		08/08/25 02:23	16984-48-8	
Sulfate	2.7	mg/L	1.0	0.50	1		08/08/25 02:23	14808-79-8	
WC 6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - West Columbia									
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 23:44	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 23:44	7440-38-2	
Barium	0.11	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 23:44	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 23:44	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 23:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 23:44	7440-43-9	
Calcium	59.7	mg/L	2.0	0.50	5	08/11/25 20:04	08/15/25 22:28	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 23:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 09:39	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 23:44	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 23:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 23:44	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 23:44	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	08/09/25 13:41	08/09/25 18:07	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWA-111 **Lab ID: 92811505003** Collected: 08/06/25 10:43 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Metals (ICPMS) 6020B									
Analytical Method: EPA 6020B Preparation Method: 3015									
Pace National - Mt. Juliet									
Lithium	0.00256	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 14:33	7439-93-2	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2020									
Pace Analytical Services - Asheville									
Total Dissolved Solids	194	mg/L	25.0	25.0	1		08/12/25 12:11		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		08/12/25 05:20	16887-00-6	
Fluoride	0.097J	mg/L	0.10	0.050	1		08/12/25 05:20	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		08/12/25 05:20	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	08/13/25 10:46	08/18/25 17:11	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:11	7440-38-2	
Barium	0.028	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:11	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:11	7440-41-7	4g
Boron	0.0074J	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 11:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:11	7440-43-9	
Calcium	52.2	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 17:11	7440-70-2	
Chromium	0.0019J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:11	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:11	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:11	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:11	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:11	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:11	7440-28-0	
WCOL 7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - West Columbia									
Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 20:30	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWA-112 **Lab ID: 92811505004** Collected: 08/06/25 12:12 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B
 Analytical Method: EPA 6020B Preparation Method: 3015
 Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 14:46	7439-93-2	
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2540C Total Dissolved Solids
 Analytical Method: SM 2540C-2020
 Pace Analytical Services - Asheville

Total Dissolved Solids	69.0	mg/L	25.0	25.0	1		08/12/25 12:11		
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300.0 IC Anions 28 Days
 Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	5.1	mg/L	1.0	0.60	1		08/12/25 06:05	16887-00-6	
Fluoride	0.062J	mg/L	0.10	0.050	1		08/12/25 06:05	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/25 06:05	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	08/13/25 10:46	08/18/25 17:15	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:15	7440-38-2	
Barium	0.026	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:15	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:15	7440-41-7	4g
Boron	0.0069J	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 12:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:15	7440-43-9	
Calcium	6.7	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 17:15	7440-70-2	
Chromium	0.0048J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:15	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:15	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:15	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:15	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:15	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	08/15/25 22:12	08/16/25 20:33	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWA-113 **Lab ID: 92811505005** Collected: 08/06/25 15:37 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B
 Analytical Method: EPA 6020B Preparation Method: 3015
 Pace National - Mt. Juliet

Lithium	0.00105J	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 14:49	7439-93-2	J
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2540C Total Dissolved Solids
 Analytical Method: SM 2540C-2020
 Pace Analytical Services - Asheville

Total Dissolved Solids	91.0	mg/L	25.0	25.0	1		08/12/25 12:12		
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300.0 IC Anions 28 Days
 Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	1.5	mg/L	1.0	0.60	1		08/12/25 06:20	16887-00-6	
Fluoride	0.21	mg/L	0.10	0.050	1		08/12/25 06:20	16984-48-8	
Sulfate	4.9	mg/L	1.0	0.50	1		08/12/25 06:20	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	08/13/25 10:46	08/18/25 17:18	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:18	7440-38-2	
Barium	0.031	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:18	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:18	7440-41-7	4g
Boron	0.010J	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 12:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:18	7440-43-9	
Calcium	8.6	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 17:18	7440-70-2	
Chromium	0.0029J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:18	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:18	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:18	7439-98-7	
Selenium	0.0033J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:18	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:18	7440-28-0	

WCOL 7470 Mercury
 Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - West Columbia

Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 20:36	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-101 **Lab ID: 92811505006** Collected: 08/07/25 11:05 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 14:52	7439-93-2	
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2540C Total Dissolved Solids Analytical Method: SM 2540C-2020
Pace Analytical Services - Asheville

Total Dissolved Solids	223	mg/L	25.0	25.0	1		08/14/25 12:01		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	5.4	mg/L	1.0	0.60	1		08/12/25 06:34	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		08/12/25 06:34	16984-48-8	
Sulfate	83.9	mg/L	3.0	1.5	3		08/12/25 20:24	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	08/13/25 10:46	08/18/25 17:22	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:22	7440-38-2	
Barium	0.037	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:22	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:22	7440-41-7	4g
Boron	0.19	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 12:19	7440-42-8	
Cadmium	0.00016J	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:22	7440-43-9	
Calcium	23.2	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 17:22	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:22	7440-47-3	B
Cobalt	0.0027J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:22	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:22	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:22	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:22	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	08/15/25 22:12	08/16/25 20:38	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-102 **Lab ID: 92811505007** Collected: 08/07/25 09:47 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B
 Analytical Method: EPA 6020B Preparation Method: 3015
 Pace National - Mt. Juliet

Lithium	0.00119J	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 14:55	7439-93-2	J
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2540C Total Dissolved Solids
 Analytical Method: SM 2540C-2020
 Pace Analytical Services - Asheville

Total Dissolved Solids	920	mg/L	50.0	50.0	1		08/14/25 12:01		
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300.0 IC Anions 28 Days
 Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	9.9	mg/L	1.0	0.60	1		08/12/25 06:49	16887-00-6	
Fluoride	0.067J	mg/L	0.10	0.050	1		08/12/25 06:49	16984-48-8	M1
Sulfate	336	mg/L	10.0	5.0	10		08/12/25 20:41	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	08/13/25 10:46	08/18/25 17:26	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:26	7440-38-2	
Barium	0.034	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:26	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:26	7440-41-7	4g
Boron	5.0	mg/L	0.80	0.12	20	08/13/25 10:46	08/19/25 12:27	7440-42-8	
Cadmium	0.00098	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:26	7440-43-9	
Calcium	158	mg/L	8.0	2.0	20	08/13/25 10:46	08/19/25 12:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:26	7440-47-3	
Cobalt	0.0026J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:26	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:26	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:26	7440-28-0	

WCOL 7470 Mercury
 Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - West Columbia

Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 20:41	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-103 **Lab ID: 92811505008** Collected: 08/07/25 09:57 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B
 Analytical Method: EPA 6020B Preparation Method: 3015
 Pace National - Mt. Juliet

Lithium	0.00132J	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:05	7439-93-2	J
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2540C Total Dissolved Solids
 Analytical Method: SM 2540C-2020
 Pace Analytical Services - Asheville

Total Dissolved Solids	1180	mg/L	50.0	50.0	1		08/14/25 12:01		
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300.0 IC Anions 28 Days
 Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	11.0	mg/L	1.0	0.60	1		08/12/25 07:34	16887-00-6	
Fluoride	0.076J	mg/L	0.10	0.050	1		08/12/25 07:34	16984-48-8	
Sulfate	443	mg/L	10.0	5.0	10		08/12/25 21:30	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	08/13/25 10:46	08/18/25 17:30	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:30	7440-38-2	
Barium	0.038	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:30	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:30	7440-41-7	4g
Boron	8.3	mg/L	2.0	0.31	50	08/13/25 10:46	08/19/25 12:36	7440-42-8	
Cadmium	0.00080	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:30	7440-43-9	
Calcium	202	mg/L	20.0	5.0	50	08/13/25 10:46	08/19/25 12:36	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:30	7440-47-3	
Cobalt	0.0040J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:30	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:30	7439-98-7	
Selenium	0.0019J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:30	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:30	7440-28-0	

WCOL 7470 Mercury
 Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - West Columbia

Mercury	0.00035	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 20:43	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-105 **Lab ID: 92811505009** Collected: 08/07/25 11:34 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Metals (ICPMS) 6020B									
Analytical Method: EPA 6020B Preparation Method: 3015									
Pace National - Mt. Juliet									
Lithium	0.00523	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:08	7439-93-2	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2020									
Pace Analytical Services - Asheville									
Total Dissolved Solids	744	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	9.4	mg/L	1.0	0.60	1		08/12/25 07:49	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		08/12/25 07:49	16984-48-8	
Sulfate	235	mg/L	7.0	3.5	7		08/12/25 21:47	14808-79-8	
WC 6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - West Columbia									
Antimony	ND	mg/L	0.0020	0.00050	1	08/13/25 10:46	08/18/25 17:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:34	7440-38-2	
Barium	0.079	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:34	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:34	7440-41-7	4g
Boron	1.6	mg/L	0.40	0.062	10	08/13/25 10:46	08/19/25 12:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:34	7440-43-9	
Calcium	149	mg/L	4.0	1.0	10	08/13/25 10:46	08/19/25 12:44	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:34	7440-47-3	
Cobalt	0.0019J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:34	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:34	7439-98-7	
Selenium	0.0017J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:34	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:34	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	08/15/25 22:12	08/16/25 20:46	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-107 Lab ID: 92811505010 Collected: 08/07/25 13:56 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Metals (ICPMS) 6020B									
Analytical Method: EPA 6020B Preparation Method: 3015									
Pace National - Mt. Juliet									
Lithium	0.000872J	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:11	7439-93-2	J
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2020									
Pace Analytical Services - Asheville									
Total Dissolved Solids	296	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	3.1	mg/L	1.0	0.60	1		08/12/25 08:03	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		08/12/25 08:03	16984-48-8	
Sulfate	95.5	mg/L	3.0	1.5	3		08/12/25 22:03	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	08/13/25 10:46	08/18/25 17:38	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:38	7440-38-2	
Barium	0.035	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:38	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:38	7440-41-7	4g
Boron	0.90	mg/L	0.40	0.062	10	08/13/25 10:46	08/19/25 12:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:38	7440-43-9	
Calcium	55.2	mg/L	4.0	1.0	10	08/13/25 10:46	08/19/25 12:53	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:38	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:38	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:38	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	08/15/25 22:12	08/16/25 20:53	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-109 **Lab ID: 92811505011** Collected: 08/07/25 15:44 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	0.000689J	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:14	7439-93-2	J
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2540C Total Dissolved Solids Analytical Method: SM 2540C-2020
Pace Analytical Services - Asheville

Total Dissolved Solids	206	mg/L	25.0	25.0	1		08/14/25 12:02		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.7	mg/L	1.0	0.60	1		08/12/25 08:18	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		08/12/25 08:18	16984-48-8	
Sulfate	19.6	mg/L	1.0	0.50	1		08/12/25 08:18	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	08/13/25 10:46	08/18/25 17:42	7440-36-0	
Arsenic	0.0020	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:42	7440-38-2	
Barium	0.078	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:42	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:42	7440-41-7	4g
Boron	0.20J	mg/L	0.20	0.031	5	08/13/25 10:46	08/19/25 13:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:42	7440-43-9	
Calcium	45.2	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 17:42	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:42	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:42	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:42	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:42	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	08/15/25 22:12	08/16/25 21:01	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-117A Lab ID: 92811505012 Collected: 08/07/25 13:28 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Metals (ICPMS) 6020B									
Analytical Method: EPA 6020B Preparation Method: 3015									
Pace National - Mt. Juliet									
Lithium	0.00460	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:18	7439-93-2	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2020									
Pace Analytical Services - Asheville									
Total Dissolved Solids	286	mg/L	25.0	25.0	1		08/14/25 12:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.0	mg/L	1.0	0.60	1		08/12/25 09:03	16887-00-6	
Fluoride	0.098J	mg/L	0.10	0.050	1		08/12/25 09:03	16984-48-8	
Sulfate	75.5	mg/L	1.0	0.50	1		08/12/25 09:03	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	08/13/25 10:46	08/18/25 17:46	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:46	7440-38-2	
Barium	0.044	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:46	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:46	7440-41-7	4g
Boron	0.36	mg/L	0.20	0.031	5	08/13/25 10:46	08/19/25 13:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:46	7440-43-9	
Calcium	59.3	mg/L	2.0	0.50	5	08/13/25 10:46	08/19/25 13:27	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:46	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:46	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:46	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:46	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	08/15/25 22:12	08/16/25 21:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-HGWC-118 **Lab ID: 92811505013** Collected: 08/07/25 15:15 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	0.00204	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:21	7439-93-2	
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2540C Total Dissolved Solids Analytical Method: SM 2540C-2020
Pace Analytical Services - Asheville

Total Dissolved Solids	331	mg/L	25.0	25.0	1		08/14/25 12:02		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.1	mg/L	1.0	0.60	1		08/12/25 09:18	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		08/12/25 09:18	16984-48-8	
Sulfate	67.9	mg/L	1.0	0.50	1		08/12/25 09:18	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	08/13/25 10:46	08/18/25 17:58	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 17:58	7440-38-2	
Barium	0.037	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:58	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 17:58	7440-41-7	4g
Boron	0.67	mg/L	0.20	0.031	5	08/13/25 10:46	08/19/25 13:36	7440-42-8	M1
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 17:58	7440-43-9	
Calcium	74.3	mg/L	2.0	0.50	5	08/13/25 10:46	08/19/25 13:36	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:58	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 17:58	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 17:58	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 17:58	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 17:58	7440-28-0	

WCOL 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - West Columbia

Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 21:06	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-AP4-FD-01 **Lab ID: 92811505014** Collected: 08/07/25 00:00 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Metals (ICPMS) 6020B									
Analytical Method: EPA 6020B Preparation Method: 3015									
Pace National - Mt. Juliet									
Lithium	0.00498	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:24	7439-93-2	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2020									
Pace Analytical Services - Asheville									
Total Dissolved Solids	730	mg/L	50.0	50.0	1		08/14/25 12:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	9.1	mg/L	1.0	0.60	1		08/12/25 09:32	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		08/12/25 09:32	16984-48-8	
Sulfate	234	mg/L	7.0	3.5	7		08/12/25 22:20	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	08/13/25 10:46	08/18/25 18:18	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 18:18	7440-38-2	
Barium	0.082	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:18	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 18:18	7440-41-7	4g
Boron	1.6	mg/L	0.40	0.062	10	08/13/25 10:46	08/19/25 14:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 18:18	7440-43-9	
Calcium	136	mg/L	4.0	1.0	10	08/13/25 10:46	08/19/25 14:18	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:18	7440-47-3	
Cobalt	0.0020J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 18:18	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 18:18	7439-98-7	
Selenium	0.0018J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:18	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 18:18	7440-28-0	
WCOL 7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - West Columbia									
Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 21:09	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-AP4-EB-01 **Lab ID: 92811505015** Collected: 08/07/25 16:35 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B
 Analytical Method: EPA 6020B Preparation Method: 3015
 Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:27	7439-93-2	
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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 12:03		
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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		08/11/25 23:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/25 23:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/11/25 23:09	14808-79-8	

WC 6020B MET ICPMS
 Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - West Columbia

Antimony	ND	mg/L	0.0020	0.00050	1	08/13/25 10:46	08/18/25 18:22	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 18:22	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:22	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 18:22	7440-41-7	4g
Boron	ND	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 14:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 18:22	7440-43-9	
Calcium	0.12J	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 18:22	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:22	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 18:22	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 18:22	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:22	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 18:22	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	08/15/25 22:12	08/16/25 21:11	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-AP4-FB-01 **Lab ID: 92811505016** Collected: 08/07/25 16:30 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Metals (ICPMS) 6020B Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:30	7439-93-2	
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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 12:03		
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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		08/11/25 23:24	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/25 23:24	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/11/25 23:24	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	08/13/25 10:46	08/18/25 18:26	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 18:26	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:26	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 18:26	7440-41-7	4g
Boron	ND	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 14:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 18:26	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 18:26	7440-70-2	
Chromium	0.0020J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:26	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 18:26	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 18:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:26	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 18:26	7440-28-0	

WCOL 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - West Columbia

Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 21:14	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-AP4-FD-02 **Lab ID: 92811505017** Collected: 08/07/25 00:00 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:33	7439-93-2	
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2540C Total Dissolved Solids Analytical Method: SM 2540C-2020
Pace Analytical Services - Asheville

Total Dissolved Solids	229	mg/L	25.0	25.0	1		08/14/25 12:03		
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	5.4	mg/L	1.0	0.60	1		08/12/25 09:47	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		08/12/25 09:47	16984-48-8	M1
Sulfate	87.3	mg/L	3.0	1.5	3		08/12/25 22:37	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	08/13/25 10:46	08/18/25 18:30	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 18:30	7440-38-2	
Barium	0.035	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:30	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 18:30	7440-41-7	4g
Boron	0.19	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 15:01	7440-42-8	
Cadmium	0.00015J	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 18:30	7440-43-9	
Calcium	22.8	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 18:30	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:30	7440-47-3	
Cobalt	0.0029J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 18:30	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 18:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:30	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 18:30	7440-28-0	

WCOL 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - West Columbia

Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 21:16	7439-97-6	
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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-AP4-EB-02 **Lab ID: 92811505018** Collected: 08/07/25 15:02 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B

Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:44	7439-93-2	
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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 12:03		
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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 00:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/12/25 00:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/25 00:09	14808-79-8	

WC 6020B MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - West Columbia

Antimony	ND	mg/L	0.0020	0.00050	1	08/13/25 10:46	08/18/25 18:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 18:34	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:34	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 18:34	7440-41-7	4g
Boron	ND	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 15:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 18:34	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 18:34	7440-70-2	
Chromium	0.0014J	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:34	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 18:34	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 18:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:34	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 18:34	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	08/15/25 22:12	08/16/25 21:24	7439-97-6	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Sample: HAM-AP4-FB-02 **Lab ID: 92811505019** Collected: 08/07/25 15:05 Received: 08/08/25 15:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Metals (ICPMS) 6020B Analytical Method: EPA 6020B Preparation Method: 3015
Pace National - Mt. Juliet

Lithium	ND	mg/L	0.00200	0.000600	1	08/17/25 19:37	08/29/25 15:47	7439-93-2	
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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 12:03		
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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 00:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/12/25 00:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/25 00:23	14808-79-8	

WC 6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - West Columbia

Antimony	ND	mg/L	0.0020	0.00050	1	08/13/25 10:46	08/18/25 18:45	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/13/25 10:46	08/18/25 18:45	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:45	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/13/25 10:46	08/18/25 18:45	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/13/25 10:46	08/19/25 15:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/13/25 10:46	08/18/25 18:45	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/13/25 10:46	08/18/25 18:45	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:45	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/13/25 10:46	08/18/25 18:45	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/13/25 10:46	08/18/25 18:45	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/13/25 10:46	08/18/25 18:45	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/13/25 10:46	08/18/25 18:45	7440-28-0	

WCOL 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - West Columbia

Mercury	ND	mg/L	0.00020	0.000091	1	08/15/25 22:12	08/16/25 21:27	7439-97-6	
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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 2577195

Analysis Method: EPA 6020B

QC Batch Method: 3015

Analysis Description: Metals (ICPMS) 6020B

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92811505001, 92811505002

METHOD BLANK: R4264846-1

Matrix: Water

Associated Lab Samples: 92811505001, 92811505002

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	R4264846-4		R4264846-5		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		L1886448-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
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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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch:	2578724	Analysis Method:	EPA 6020B
QC Batch Method:	3015	Analysis Description:	Metals (ICPMS) 6020B
		Laboratory:	Pace National - Mt. Juliet
Associated Lab Samples:	92811505003, 92811505004, 92811505005, 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

METHOD BLANK:	R4266167-1	Matrix:	Water
Associated Lab Samples:	92811505003, 92811505004, 92811505005, 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/29/25 14:27	

LABORATORY CONTROL SAMPLE:	R4266167-2					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0490	98.1	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	R4266167-4			R4266167-5								
Parameter	Units	92811505003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00256	0.0500	0.0500	0.0504	0.0504	95.7	95.7	75.0-125	0.018	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 953028

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: 92811505001, 92811505002

METHOD BLANK: 4897737

Matrix: Water

Associated Lab Samples: 92811505001, 92811505002

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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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 953406

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: 92811505003, 92811505004, 92811505005

METHOD BLANK: 4899568

Matrix: Water

Associated Lab Samples: 92811505003, 92811505004, 92811505005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/12/25 12:10	

LABORATORY CONTROL SAMPLE: 4899569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	272	109	90-110	

SAMPLE DUPLICATE: 4899570

Parameter	Units	92811471013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	581	592	2	25	

SAMPLE DUPLICATE: 4899571

Parameter	Units	92812084001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	70.0	66.0	6	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 953697 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: 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019

METHOD BLANK: 4901228 Matrix: Water
 Associated Lab Samples: 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019

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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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 952684 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92811505001, 92811505002

METHOD BLANK: 4895979 Matrix: Water

Associated Lab Samples: 92811505001, 92811505002

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		4895981		4895982		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
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		4895983		4895984		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
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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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 953267 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92811505003, 92811505004, 92811505005, 92811505006

METHOD BLANK: 4898922 Matrix: Water
 Associated Lab Samples: 92811505003, 92811505004, 92811505005, 92811505006

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		92811471019		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
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		92811471019		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
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-4

Pace Project No.: 92811505

QC Batch:	953268	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

METHOD BLANK:	4898928	Matrix:	Water
Associated Lab Samples:	92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/11/25 21:40	
Fluoride	mg/L	ND	0.10	0.050	08/11/25 21:40	
Sulfate	mg/L	ND	1.0	0.50	08/11/25 21:40	

LABORATORY CONTROL SAMPLE: 4898929						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.0	106	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	53.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898930												4898931	
Parameter	Units	92811505007 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	9.9	50	50	60.1	63.6	100	107	90-110	6	10		
Fluoride	mg/L	0.067J	2.5	2.5	3.2	3.5	126	137	90-110	8	10 M1		
Sulfate	mg/L	336	50	50	369	368	65	64	90-110	0	10 M1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4898932												4898933	
Parameter	Units	92811505017 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	5.4	50	50	57.7	58.7	105	107	90-110	2	10		
Fluoride	mg/L	0.057J	2.5	2.5	3.2	3.3	126	129	90-110	2	10 M1		
Sulfate	mg/L	87.3	50	50	124	119	73	64	90-110	4	10 M1		

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 952854

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: WC 6020B MET

Laboratory: Pace Analytical Services - West Columbia

Associated Lab Samples: 92811505001, 92811505002

METHOD BLANK: 4896691

Matrix: Water

Associated Lab Samples: 92811505001, 92811505002

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		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
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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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92811484002 Result	Spike Conc.	Spike Conc.	MS Result							
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

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch:	953374	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	WC 6020B MET
		Laboratory:	Pace Analytical Services - West Columbia
Associated Lab Samples:	92811505003, 92811505004, 92811505005, 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

METHOD BLANK:	4899475	Matrix:	Water
Associated Lab Samples:	92811505003, 92811505004, 92811505005, 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/18/25 16:55	
Arsenic	mg/L	ND	0.0020	0.0012	08/18/25 16:55	
Barium	mg/L	ND	0.0050	0.0012	08/18/25 16:55	
Beryllium	mg/L	ND	0.00040	0.00015	08/18/25 16:55	5g
Boron	mg/L	ND	0.040	0.0062	08/19/25 11:36	
Cadmium	mg/L	ND	0.00050	0.00012	08/18/25 16:55	
Calcium	mg/L	ND	0.40	0.10	08/18/25 16:55	
Chromium	mg/L	ND	0.0050	0.0012	08/18/25 16:55	
Cobalt	mg/L	ND	0.0050	0.0012	08/18/25 16:55	
Lead	mg/L	ND	0.0010	0.00025	08/18/25 16:55	3g
Molybdenum	mg/L	ND	0.010	0.0025	08/18/25 16:55	
Selenium	mg/L	ND	0.0050	0.0012	08/18/25 16:55	
Thallium	mg/L	ND	0.00050	0.00015	08/18/25 16:55	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	104	80-120	6g
Boron	mg/L	0.1	0.096	96	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Calcium	mg/L	1	0.96	96	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.11	110	80-120	
Lead	mg/L	0.1	0.11	110	80-120	2g
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.11	108	80-120	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4899477												4899478	
Parameter	Units	92811505013		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Antimony	mg/L	ND	0.1	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.1	0.099	0.099	99	98	75-125	1	20	
Barium	mg/L	0.037	0.1	0.1	0.1	0.13	0.13	93	92	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.1	0.10	0.10	103	100	75-125	3	20	
Boron	mg/L	0.67	0.1	0.1	0.1	0.70	0.69	30	21	75-125	1	20	M1
Cadmium	mg/L	ND	0.1	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Calcium	mg/L	74.3	1	1	1	79.8	73.4	553	-87	75-125	8	20	M1
Chromium	mg/L	ND	0.1	0.1	0.1	0.099	0.098	98	97	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.1	0.10	0.10	104	101	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.1	0.11	0.10	106	105	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.1	0.094	0.094	94	94	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.1	0.10	0.10	101	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch: 952850	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: WCOL 7470 Mercury
	Laboratory: Pace Analytical Services - West Columbia

Associated Lab Samples: 92811505001, 92811505002

METHOD BLANK: 4896665 Matrix: Water

Associated Lab Samples: 92811505001, 92811505002

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		4896668		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0021	104	104	80-120	0	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

QC Batch:	953429	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	WCOL 7470 Mercury
		Laboratory:	Pace Analytical Services - West Columbia
Associated Lab Samples:	92811505003, 92811505004, 92811505005, 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

METHOD BLANK:	4899703	Matrix:	Water
Associated Lab Samples:	92811505003, 92811505004, 92811505005, 92811505006, 92811505007, 92811505008, 92811505009, 92811505010, 92811505011, 92811505012, 92811505013, 92811505014, 92811505015, 92811505016, 92811505017, 92811505018, 92811505019		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/16/25 20:25	

LABORATORY CONTROL SAMPLE:	4899704					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0021	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4899705			4899706								
Parameter	Units	92811505010 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	102	105	80-120	2	20	

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QUALIFIERS

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

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: 92811505

[1] GEOSYNTEC

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

ANALYTE QUALIFIERS

1g The continuing calibration verification (CCV) for this analyte is above laboratory acceptance limits. The analyte concentration was below the reporting limit in the associated sample and will be reported.

2g The continuing calibration verification (CCV) for this analyte was above laboratory acceptance limits. The LCS was within acceptance limits and will be reported.

3g The continuing calibration verification (CCV) for this analyte was above laboratory acceptance limits. The concentration in the method blank was below the reporting limit and will be reported.

4g The same analyte was detected in an associated instrument blank at a concentration above 1/2 the reporting limit but below the reporting limit. The analyte concentration in this sample is at least ten times greater than the blank concentration or is below the reporting limit.

5g The same analyte was detected in an associated instrument blank at a concentration above 1/2 the reporting limit but below the reporting limit. The concentration in the method blank was below the reporting limit and will be reported.

6g The same analyte was detected in an associated instrument blank at a concentration above half the reporting limit but less than the reporting limit. The concentration in the LCS was greater than ten times the concentration in the instrument blank, and the percent recovery was within method acceptance limits.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant Hammond-AP-4
Pace Project No.: 92811505

ANALYTE QUALIFIERS

- B Analyte was detected in the associated method blank.
- 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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811505001	HAM-HGWA-47	3015	2577195	EPA 6020B	2577195
92811505002	HAM-HGWA-48D	3015	2577195	EPA 6020B	2577195
92811505003	HAM-HGWA-111	3015	2578724	EPA 6020B	2578724
92811505004	HAM-HGWA-112	3015	2578724	EPA 6020B	2578724
92811505005	HAM-HGWA-113	3015	2578724	EPA 6020B	2578724
92811505006	HAM-HGWC-101	3015	2578724	EPA 6020B	2578724
92811505007	HAM-HGWC-102	3015	2578724	EPA 6020B	2578724
92811505008	HAM-HGWC-103	3015	2578724	EPA 6020B	2578724
92811505009	HAM-HGWC-105	3015	2578724	EPA 6020B	2578724
92811505010	HAM-HGWC-107	3015	2578724	EPA 6020B	2578724
92811505011	HAM-HGWC-109	3015	2578724	EPA 6020B	2578724
92811505012	HAM-HGWC-117A	3015	2578724	EPA 6020B	2578724
92811505013	HAM-HGWC-118	3015	2578724	EPA 6020B	2578724
92811505014	HAM-AP4-FD-01	3015	2578724	EPA 6020B	2578724
92811505015	HAM-AP4-EB-01	3015	2578724	EPA 6020B	2578724
92811505016	HAM-AP4-FB-01	3015	2578724	EPA 6020B	2578724
92811505017	HAM-AP4-FD-02	3015	2578724	EPA 6020B	2578724
92811505018	HAM-AP4-EB-02	3015	2578724	EPA 6020B	2578724
92811505019	HAM-AP4-FB-02	3015	2578724	EPA 6020B	2578724
92811505001	HAM-HGWA-47	SM 2540C-2020	953028		
92811505002	HAM-HGWA-48D	SM 2540C-2020	953028		
92811505003	HAM-HGWA-111	SM 2540C-2020	953406		
92811505004	HAM-HGWA-112	SM 2540C-2020	953406		
92811505005	HAM-HGWA-113	SM 2540C-2020	953406		
92811505006	HAM-HGWC-101	SM 2540C-2020	953697		
92811505007	HAM-HGWC-102	SM 2540C-2020	953697		
92811505008	HAM-HGWC-103	SM 2540C-2020	953697		
92811505009	HAM-HGWC-105	SM 2540C-2020	953697		
92811505010	HAM-HGWC-107	SM 2540C-2020	953697		
92811505011	HAM-HGWC-109	SM 2540C-2020	953697		
92811505012	HAM-HGWC-117A	SM 2540C-2020	953697		
92811505013	HAM-HGWC-118	SM 2540C-2020	953697		
92811505014	HAM-AP4-FD-01	SM 2540C-2020	953697		
92811505015	HAM-AP4-EB-01	SM 2540C-2020	953697		
92811505016	HAM-AP4-FB-01	SM 2540C-2020	953697		
92811505017	HAM-AP4-FD-02	SM 2540C-2020	953697		
92811505018	HAM-AP4-EB-02	SM 2540C-2020	953697		
92811505019	HAM-AP4-FB-02	SM 2540C-2020	953697		
92811505001	HAM-HGWA-47	EPA 300.0 Rev 2.1 1993	952684		
92811505002	HAM-HGWA-48D	EPA 300.0 Rev 2.1 1993	952684		
92811505003	HAM-HGWA-111	EPA 300.0 Rev 2.1 1993	953267		
92811505004	HAM-HGWA-112	EPA 300.0 Rev 2.1 1993	953267		
92811505005	HAM-HGWA-113	EPA 300.0 Rev 2.1 1993	953267		
92811505006	HAM-HGWC-101	EPA 300.0 Rev 2.1 1993	953267		
92811505007	HAM-HGWC-102	EPA 300.0 Rev 2.1 1993	953268		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-4

Pace Project No.: 92811505

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811505008	HAM-HGWC-103	EPA 300.0 Rev 2.1 1993	953268		
92811505009	HAM-HGWC-105	EPA 300.0 Rev 2.1 1993	953268		
92811505010	HAM-HGWC-107	EPA 300.0 Rev 2.1 1993	953268		
92811505011	HAM-HGWC-109	EPA 300.0 Rev 2.1 1993	953268		
92811505012	HAM-HGWC-117A	EPA 300.0 Rev 2.1 1993	953268		
92811505013	HAM-HGWC-118	EPA 300.0 Rev 2.1 1993	953268		
92811505014	HAM-AP4-FD-01	EPA 300.0 Rev 2.1 1993	953268		
92811505015	HAM-AP4-EB-01	EPA 300.0 Rev 2.1 1993	953268		
92811505016	HAM-AP4-FB-01	EPA 300.0 Rev 2.1 1993	953268		
92811505017	HAM-AP4-FD-02	EPA 300.0 Rev 2.1 1993	953268		
92811505018	HAM-AP4-EB-02	EPA 300.0 Rev 2.1 1993	953268		
92811505019	HAM-AP4-FB-02	EPA 300.0 Rev 2.1 1993	953268		
92811505001	HAM-HGWA-47	EPA 3005A	952854	EPA 6020B	954116
92811505002	HAM-HGWA-48D	EPA 3005A	952854	EPA 6020B	954116
92811505003	HAM-HGWA-111	EPA 3005A	953374	EPA 6020B	954843
92811505004	HAM-HGWA-112	EPA 3005A	953374	EPA 6020B	954843
92811505005	HAM-HGWA-113	EPA 3005A	953374	EPA 6020B	954843
92811505006	HAM-HGWC-101	EPA 3005A	953374	EPA 6020B	954843
92811505007	HAM-HGWC-102	EPA 3005A	953374	EPA 6020B	954843
92811505008	HAM-HGWC-103	EPA 3005A	953374	EPA 6020B	954843
92811505009	HAM-HGWC-105	EPA 3005A	953374	EPA 6020B	954843
92811505010	HAM-HGWC-107	EPA 3005A	953374	EPA 6020B	954843
92811505011	HAM-HGWC-109	EPA 3005A	953374	EPA 6020B	954843
92811505012	HAM-HGWC-117A	EPA 3005A	953374	EPA 6020B	954843
92811505013	HAM-HGWC-118	EPA 3005A	953374	EPA 6020B	954843
92811505014	HAM-AP4-FD-01	EPA 3005A	953374	EPA 6020B	954843
92811505015	HAM-AP4-EB-01	EPA 3005A	953374	EPA 6020B	954843
92811505016	HAM-AP4-FB-01	EPA 3005A	953374	EPA 6020B	954843
92811505017	HAM-AP4-FD-02	EPA 3005A	953374	EPA 6020B	954843
92811505018	HAM-AP4-EB-02	EPA 3005A	953374	EPA 6020B	954843
92811505019	HAM-AP4-FB-02	EPA 3005A	953374	EPA 6020B	954843
92811505001	HAM-HGWA-47	EPA 7470A	952850	EPA 7470A	953201
92811505002	HAM-HGWA-48D	EPA 7470A	952850	EPA 7470A	953201
92811505003	HAM-HGWA-111	EPA 7470A	953429	EPA 7470A	954606
92811505004	HAM-HGWA-112	EPA 7470A	953429	EPA 7470A	954606
92811505005	HAM-HGWA-113	EPA 7470A	953429	EPA 7470A	954606
92811505006	HAM-HGWC-101	EPA 7470A	953429	EPA 7470A	954606
92811505007	HAM-HGWC-102	EPA 7470A	953429	EPA 7470A	954606
92811505008	HAM-HGWC-103	EPA 7470A	953429	EPA 7470A	954606
92811505009	HAM-HGWC-105	EPA 7470A	953429	EPA 7470A	954606
92811505010	HAM-HGWC-107	EPA 7470A	953429	EPA 7470A	954606
92811505011	HAM-HGWC-109	EPA 7470A	953429	EPA 7470A	954606
92811505012	HAM-HGWC-117A	EPA 7470A	953429	EPA 7470A	954606
92811505013	HAM-HGWC-118	EPA 7470A	953429	EPA 7470A	954606
92811505014	HAM-AP4-FD-01	EPA 7470A	953429	EPA 7470A	954606
92811505015	HAM-AP4-EB-01	EPA 7470A	953429	EPA 7470A	954606
92811505016	HAM-AP4-FB-01	EPA 7470A	953429	EPA 7470A	954606

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-4
Pace Project No.: 92811505

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811505017	HAM-AP4-FD-02	EPA 7470A	953429	EPA 7470A	954606
92811505018	HAM-AP4-EB-02	EPA 7470A	953429	EPA 7470A	954606
92811505019	HAM-AP4-FB-02	EPA 7470A	953429	EPA 7470A	954606

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

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition: Upon Receipt

Client Name: CA Power

Project #: WO#: 92811505



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 [initials]

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



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

Effective Date: 05/24/2024

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

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

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

***Check all unpreserved Nitrates for chlorine

Project #

Project # [Redacted]

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

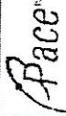
Client _____ Profile/EZ (Circle one) _____ Notes _____

Item#	Item Description	CC	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-25	25 mL Plastic Unpreserved (N/A) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
BP2U-250	250 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP2U-500	500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP1U-1	1 liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125	125 mL Plastic H2SO4 (pH < 2) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
BP3H-250	250 mL Plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP4Z-125	125 mL Plastic Zn acetate & NaOH (pH > 9)		/	/	/	/	/	/	/	/	/	/	/	/
BP4B-125	125 mL Plastic NaOH (pH > 12) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
WGCU	Wide-mouthed Glass jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG1U-1	1 liter Amber Unpreserved (N/A) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
AG1H-1	1 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-250	250 mL Amber Unpreserved (N/A) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
AG1S-1	1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3S-250	250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DG94-40	40 mL Amber RH4Cl (N/A) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
DG9H-40	40 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9T-40	40 mL VOA Na2SO3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9U-40	40 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9V-40	40 mL VOA H3PO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
KP7U-50	50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V/GK	3 vials per kit VPH/Gas kit (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP5T-125	125 mL Sterile Plastic (N/A - lab)		/	/	/	/	/	/	/	/	/	/	/	/
SP2T-250	250 mL Sterile Plastic (N/A - lab)		/	/	/	/	/	/	/	/	/	/	/	/
BP3R-250	250 mL Plastic (N17)2SO4 (pH 3-9.7)		/	/	/	/	/	/	/	/	/	/	/	/
AG0U-100	100 mL Amber Unpreserved (N/A) (Cl-)		/	/	/	/	/	/	/	/	/	/	/	/
VSGU-20	20 mL Scintillation vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9U-40	40 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

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 Kinsey Ave. Suite 100, Huntersville, NC 28078

Company Name: Georgia Power- Hammond
 Street Address: 241 Ralph McGill Blvd NE
 Bm 10160
 Atlanta, GA 30308

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 #:

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

WO#: 92811505



Customer Project #: Plant Hammond (AP-4)-2nd SA

Site Collection info/facility ID (as applicable):

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) E-Care, (8) TerraCare, (9) 90mL, (10) Other

*** Preservative Type: (1) None, (2) HClO, (3) H2SO4, (4) HCl, (5) HNO3, (6) H2O2, (7) H2S2O8, (8) Seac Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Proj. Mgr: Bonnie Vang
 Account / Client ID:
 Table #:
 Profile / Template: 16483
 Prelog / Bottle Ord. ID: EZ 3283436

County / State origin of sample(s): Georgia

Preservation reference identified for

Time Zone Collected:	J	A	K	P	F	M	T	C	T	E
Data Deliverables:										
() Level II () Level III () Level IV										
() EQUIS										
() Other:										

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable () Yes () No
 Rush (Pre-approval required): DW PWSID # or WW Permit # as applicable:
 () Same Day () 1 Day () 2 Day () 3 Day () Other
 Date Results Requested: Field Filtered (if applicable): () Yes () No
 Analysis: DW PWSID # or WW Permit # as applicable:
 * Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (O), Wipe (WP), Tissue (TS), Biossary (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caustic (CA), Leachate (L), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine Results	Units
			Date	Time	Date	Time			
HAM-HGWA-47	WG	Grab	JN 8/5/2025		8/5/2025	1600	4	JN 8/9/2025	
HAM-HGWA-48D	WG	Grab			8/5/2025	1542	4		
HAM-HGWA-47	WG	Grab			8/5/2025	1600	2		
HAM-HGWA-48D	WG	Grab			8/5/2025	1542	2		

Additional Instructions from Pace*: Task Code: HAM-CCR-ASSMT-202532
 Collected by: (Printed Name) Jamie Newsome, Thomas Kessler
 Signature: [Signature]

Received by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
[Signature]	8/14/2025 1040	[Signature]	8/14/2025 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/>

Customer Remarks / Special Conditions / Possible Hazards:
 2540C Total Dissolved Solids
 AP III/IV Metals
 RAD 226/228
 Temp = 19 deg C 001
 Temp = 21 deg C 002
 Temp = 19 deg C
 Temp = 21 deg C

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

Trading Number:
 Delivered by: () In-Person () Courier
 () FedEx () UPS () Other
 Page: 1 of 100
 ENV-FRM-CORO-0019_v02_110123©



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

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

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

Date/Initials Person Examining Contents: _____

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 214 Type of Ice: Wet Blue None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 5°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.0

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



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

Effective Date: 05/24/2024

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

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

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

***Check all unpreserved Nitrates for chlorine

Project #

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	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-Wire-rimmed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/SK (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)	BP9R-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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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.

CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

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

Company Name: Georgia Power- Hammond
Street Address: 241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

Customer Project #: Plant Hammond-(AP-4)-2nd SA

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): GPCB2474-0011
Quote #:

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

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

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

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

Date Results Requested: [] Some Day [] 1 Day [] 2 Day [] 3 Day [] Other

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 (OI), Wipe (WP), Tissue (TS), Boassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (C), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix • Comp / Grab	Date	Time	Collected or Composite End Time	# Cont.	Res. Results	Units
HAM-HGWA-111	WG G	8/6/2025	1043	6			
HAM-HGWA-112	WG G	JN 8/6/2025	1212	6			
HAM-HGWA-113	WG G	8/6/2025	1537	6	JN 8/6/2025		

2540C Total Dissolved Solids	300 0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
X	X	X	X	Temp = 20 °C 003
X	X	X	X	Temp = 21 °C 004
X	X	X	X	Temp = 29 °C 005

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

Collected By: (Printed Name) Zain Webb
Signature:

Relinquished by/Company: (Signature) Zain Webb / Pace
Date/Time: 8/6/25 1320

Relinquished by/Company: (Signature) Zain Webb / Pace
Date/Time: 8/6/25 1530

Relinquished by/Company: (Signature)
Date/Time:

2540C Total Dissolved Solids	300 0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
X	X	X	X	Temp = 20 °C 003
X	X	X	X	Temp = 21 °C 004
X	X	X	X	Temp = 29 °C 005

Customer Remarks / Special Conditions / Possible Hazards:

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

Tracking Number: 1320
Date/Time: 8/6/25 1530

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

Date/Time: 8/6/25 1530

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-CORO-0019_v02_110123 ©



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

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville



Client Name:

Project #:

Log power

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: *8/18 SL*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: *230*

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

Project #

Project # [Redacted]

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

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

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

***Check all unpreserved Nitrates for chlorine

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

Client _____ 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 (p9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGTU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
CC																												
1	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	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.



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

Company Name: Georgia Power- Hammond
 Street Address: 241 Ralph McGill Blvd NE
 Bin 10160
 Atlanta, GA 30308

Customer Project #: Plant Hammond-(AP-4)-2nd SA

Site Collection Info/Facility ID (as applicable):

CHAIN-OF-CUSTODY Analytical Request Document

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

Contact/Report To: Kristen Jurinko
 Phone #: 470-217-0008
 E-Mail: knjurink@southernco.com
 Cc E-Mail:

Account Payable
 georgiapowerinvoices@southernco.com
 Purchase Order # (if applicable): GPC82474-0011
 Quote #:

County / State origin of sample(s): Georgia


Regulatory Program (DW, RCRA, etc.) as applicable: Reportable Yes No
 Rush (Pre-approval required): DW PWSD # or WW Permit # as applicable:
 Same Day 1 Day 2 Day 3 Day Other _____
 Date Results Requested:
 Analysis:
 Field Filtered (if applicable): Yes No

Customer Sample ID	Matrix *	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine Results	Units
		Date	Time	Date	Time			
HAM-HGWC-101	WG	8/7/2025	1105	8/7/2025	1105	6	JN	8/7/2025
HAM-HGWC-102	WG	8/7/2025	0947	8/7/2025	0947	6		
HAM-HGWC-103	WG	8/7/2025	0957	8/7/2025	0957	6		
HAM-HGWC-105	WG	8/7/2025	1134	8/7/2025	1134	6		
HAM-HGWC-107	WG	8/7/2025	1356	8/7/2025	1356	6		
HAM-HGWC-109	WG	8/7/2025	1544	8/7/2025	1544	6		
HAM-HGWC-117A	WG	JN 8/7/2025	1378	8/7/2025	1378	6		
HAM-HGWC-118	WG	8/7/2025	1515	8/7/2025	1515	6		
HAM-AP4-FD-01	WG	8/7/2025	0000	8/7/2025	0000	6		
HAM-AP4-EB-01	WQ	8/7/2025	1635	8/7/2025	1635	6		

Additional Instructions from Pace*:
 Task Code: HAM-CCR-ASSMT-2025Z
 Collected By: Jamie Newsome, Zain Webb
 Signature: _____

Relinquished by/Company (Signature): *Zain Webb / Geosyntec*
 Date/Time: *8/8/25 1320*
 Relinquished by/Company (Signature): *Juan Williams / Pace*
 Date/Time: *8/8/25 1550*
 Relinquished by/Company (Signature): _____
 Date/Time: _____

LAB USE ONLY - Affix Workorder/Login Label Here



Scan QR Code for Instructions

Specify Container Size **

3	2	2x3	2x1
---	---	-----	-----

Identify Container Preservative Type***

1	1	2	2
---	---	---	---

Analysis Requested

2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Temp = 20 °C	Temp = 20 °C	Temp = 20 °C	Temp = 20 °C	Temp = 22 °C	Temp = 22 °C	Temp = 21 °C	Temp = 21 °C	Temp = 20 °C	Temp = 20 °C
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X

Customer Remarks / Special Conditions / Possible Hazards:

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

Tracking Number: _____
 Date/Time: *8/8/25 1320*
 Delivered by: In-Person Courier
 Date/Time: *8/8/25 1550*
 FedEx UPS Other
 Date/Time: _____
 Page: 1 of 2

CHAIN-OF-CUSTODY Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

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

Company Name: Georgia Power- Hammond
Street Address: 241 Ralph McGill Blvd NE
 Bin 10160
 Atlanta, GA 30308

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 #:

Country/State origin of sample(s): Georgia
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable Yes No
Rush (Pre-approval required): Same Day 1-2 Day 3 Day Other _____
Date Results (requested): _____
Field Filtered (if applicable): Yes No
Analysis: _____
Field Filtered (if applicable): Yes No
DW PMSID # or WW Permit # as applicable: _____

Time Zone Collected: AK PT MT CT ET
Data Deliverables: _____
 Level II Level III Level IV
 EQUIS Other _____

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

Customer Sample ID	Matrix *	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine Results	Units
		Date	Time	Date	Time			
HAM-AP4-FB-01	WQ	Grab		8/7/2025	1630	6		
HAM-AP4-FD-02	WG	Grab		8/7/2025	0000	6		
HAM-AP4-EB-02	WQ	Grab		8/7/2025	1502	6		
HAM-AP4-FB-02	WQ	Grab	JN 8/7/2025	8/7/2025	1505	6	JN 8/7/2025	

Additional Instructions from Pace*:
 Task code: HAM-CCR-ASSMT-2025Z

Collected By: Jamie Newsome, Zain Webb
Signature: _____

Received by Company (Signature): _____
Date/Time: 8/8/25 1520
Received by Company (Signature): _____
Date/Time: 8/8/25 1530

Received by Company (Signature): _____
Date/Time: _____

Received by Company (Signature): _____
Date/Time: _____

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/>

Specify Container Size **

3	2	2X3	2X1
---	---	-----	-----

Identify Container Preservative Type***

1	1	2	2
---	---	---	---

Analysts Requested

**** Container Size:** (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 50mL, (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) Alcoboric Acid, (10) MeOH, (11) Other

Proj. Mgr: Bonnie Vang
Account / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283436

Preservation non-conformance identified for

Temp = 20 °C	016
Temp = 20 °C	017
Temp = 20 °C	018
Temp = 20 °C	019
Last Sample	

2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X

Customer Remarks / Special Conditions / Possible Hazards:

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

Tracking Number: 8/8/25 1520

Delivered by: In-Person Courier
 FedEx UPS Other

Page: 2 of 2

ENV-FRM-CORQ-0019_v02_110123 ©



September 12, 2025

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

RE: Project: Plant Hammond-AP-4- RADs
Pace Project No.: 92811508

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 06, 2025 and August 08, 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811508001	HAM-HGWA-47	Water	08/05/25 16:00	08/06/25 15:50
92811508002	HAM-HGWA-48D	Water	08/05/25 15:42	08/06/25 15:50
92811508003	HAM-HGWA-111	Water	08/06/25 10:43	08/08/25 15:50
92811508004	HAM-HGWA-112	Water	08/06/25 12:12	08/08/25 15:50
92811508005	HAM-HGWA-113	Water	08/06/25 15:37	08/08/25 15:50
92811508006	HAM-HGWC-101	Water	08/07/25 11:05	08/08/25 15:50
92811508007	HAM-HGWC-102	Water	08/07/25 09:47	08/08/25 15:50
92811508008	HAM-HGWC-103	Water	08/07/25 09:57	08/08/25 15:50
92811508009	HAM-HGWC-105	Water	08/07/25 11:34	08/08/25 15:50
92811508010	HAM-HGWC-107	Water	08/07/25 13:56	08/08/25 15:50
92811508011	HAM-HGWC-109	Water	08/07/25 15:44	08/08/25 15:50
92811508012	HAM-HGWC-117A	Water	08/07/25 13:28	08/08/25 15:50
92811508013	HAM-HGWC-118	Water	08/07/25 15:15	08/08/25 15:50
92811508014	HAM-AP4-FD-01	Water	08/07/25 00:00	08/08/25 15:50
92811508015	HAM-AP4-EB-01	Water	08/07/25 16:35	08/08/25 15:50
92811508016	HAM-AP4-FB-01	Water	08/07/25 16:30	08/08/25 15:50
92811508017	HAM-AP4-FD-02	Water	08/07/25 00:00	08/08/25 15:50
92811508018	HAM-AP4-EB-02	Water	08/07/25 15:02	08/08/25 15:50
92811508019	HAM-AP4-FB-02	Water	08/07/25 15:05	08/08/25 15:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811508001	HAM-HGWA-47	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811508002	HAM-HGWA-48D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811508003	HAM-HGWA-111	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508004	HAM-HGWA-112	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508005	HAM-HGWA-113	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508006	HAM-HGWC-101	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508007	HAM-HGWC-102	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508008	HAM-HGWC-103	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508009	HAM-HGWC-105	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508010	HAM-HGWC-107	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508011	HAM-HGWC-109	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508012	HAM-HGWC-117A	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508013	HAM-HGWC-118	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811508014	HAM-AP4-FD-01	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
92811508015	HAM-AP4-EB-01	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508016	HAM-AP4-FB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92811508017	HAM-AP4-FD-02	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
92811508018	HAM-AP4-EB-02	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811508019	HAM-AP4-FB-02	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811508001	HAM-HGWA-47					
EPA 9315	Radium-226	0.203U ± 0.275 (0.599) C:98% T:NA	pCi/L		08/26/25 09:55	
EPA 9320	Radium-228	0.120U ± 0.352 (0.790) C:74% T:91%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.323U ± 0.627 (1.39)	pCi/L		08/27/25 15:40	
92811508002	HAM-HGWA-48D					
EPA 9315	Radium-226	0.0857U ± 0.281 (0.679) C:84% T:NA	pCi/L		08/26/25 09:55	
EPA 9320	Radium-228	0.746U ± 0.496 (0.948) C:69% T:88%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.832U ± 0.777 (1.63)	pCi/L		08/27/25 15:40	
92811508003	HAM-HGWA-111					
EPA 9315	Radium-226	0.00627U ± 0.149 (0.390) C:92% T:NA	pCi/L		09/11/25 08:31	
EPA 9320	Radium-228	0.633U ± 0.452 (0.872) C:75% T:83%	pCi/L		09/11/25 14:32	
Total Radium Calculation	Total Radium	0.639U ± 0.601 (1.26)	pCi/L		09/12/25 11:35	
92811508004	HAM-HGWA-112					
EPA 9315	Radium-226	0.0867U ± 0.160 (0.367) C:95% T:NA	pCi/L		09/11/25 08:27	
EPA 9320	Radium-228	0.414U ± 0.384 (0.779) C:76% T:83%	pCi/L		09/11/25 14:32	
Total Radium Calculation	Total Radium	0.501U ± 0.544 (1.15)	pCi/L		09/12/25 11:35	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811508005	HAM-HGWA-113					
EPA 9315	Radium-226	-0.0162U ± 0.283 (0.745)	pCi/L		09/04/25 08:19	
EPA 9320	Radium-228	C:76% T:NA 0.0693U ± 0.613 (1.39)	pCi/L		09/09/25 12:53	
Total Radium Calculation	Total Radium	C:58% T:83% 0.0693U ± 0.896 (2.14)	pCi/L		09/10/25 17:06	
92811508006	HAM-HGWC-101					
EPA 9315	Radium-226	0.0334U ± 0.171 (0.430)	pCi/L		09/11/25 09:57	
EPA 9320	Radium-228	C:80% T:NA 1.84 ± 0.643 (0.907)	pCi/L		09/11/25 14:32	
Total Radium Calculation	Total Radium	C:74% T:79% 1.87 ± 0.814 (1.34)	pCi/L		09/12/25 11:35	
92811508007	HAM-HGWC-102					
EPA 9315	Radium-226	0.267U ± 0.221 (0.423)	pCi/L		09/11/25 09:58	
EPA 9320	Radium-228	C:84% T:NA 1.20 ± 0.541 (0.896)	pCi/L		09/11/25 14:36	
Total Radium Calculation	Total Radium	C:77% T:89% 1.47 ± 0.762 (1.32)	pCi/L		09/12/25 11:35	
92811508008	HAM-HGWC-103					
EPA 9315	Radium-226	0.100U ± 0.315 (0.764)	pCi/L		09/04/25 08:19	
EPA 9320	Radium-228	C:70% T:NA 0.556U ± 0.551 (1.14)	pCi/L		09/09/25 12:53	
Total Radium Calculation	Total Radium	C:71% T:75% 0.656U ± 0.866 (1.90)	pCi/L		09/10/25 17:06	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811508009	HAM-HGWC-105					
EPA 9315	Radium-226	0.355U ± 0.355 (0.717) C:72% T:NA	pCi/L		09/04/25 08:20	
EPA 9320	Radium-228	0.157U ± 0.442 (0.988) C:70% T:86%	pCi/L		09/09/25 12:53	
Total Radium Calculation	Total Radium	0.512U ± 0.797 (1.71)	pCi/L		09/10/25 17:06	
92811508010	HAM-HGWC-107					
EPA 9315	Radium-226	0.220U ± 0.244 (0.509) C:75% T:NA	pCi/L		09/11/25 09:58	
EPA 9320	Radium-228	0.333U ± 0.401 (0.846) C:79% T:81%	pCi/L		09/11/25 14:36	
Total Radium Calculation	Total Radium	0.553U ± 0.645 (1.36)	pCi/L		09/12/25 11:35	
92811508011	HAM-HGWC-109					
EPA 9315	Radium-226	0.0935U ± 0.214 (0.501) C:70% T:NA	pCi/L		09/11/25 09:58	
EPA 9320	Radium-228	0.759 ± 0.410 (0.731) C:81% T:86%	pCi/L		09/11/25 14:36	
Total Radium Calculation	Total Radium	0.853U ± 0.624 (1.23)	pCi/L		09/12/25 11:35	
92811508012	HAM-HGWC-117A					
EPA 9315	Radium-226	-0.188U ± 0.159 (0.611) C:80% T:NA	pCi/L		09/04/25 09:44	
EPA 9320	Radium-228	0.367U ± 0.556 (1.20) C:65% T:81%	pCi/L		09/09/25 12:53	
Total Radium Calculation	Total Radium	0.367U ± 0.715 (1.81)	pCi/L		09/10/25 17:06	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811508013	HAM-HGWC-118					
EPA 9315	Radium-226	0.168U ± 0.321 (0.737) C:83% T:NA	pCi/L		09/04/25 08:32	
EPA 9320	Radium-228	0.494U ± 0.594 (1.26) C:73% T:79%	pCi/L		09/09/25 16:20	
Total Radium Calculation	Total Radium	0.662U ± 0.915 (2.00)	pCi/L		09/10/25 17:06	
92811508014	HAM-AP4-FD-01					
EPA 9315	Radium-226	0.0402U ± 0.165 (0.415) C:79% T:NA	pCi/L		09/11/25 10:02	
EPA 9320	Radium-228	0.242U ± 0.340 (0.728) C:84% T:84%	pCi/L		09/11/25 14:36	
Total Radium Calculation	Total Radium	0.282U ± 0.505 (1.14)	pCi/L		09/12/25 11:35	
92811508015	HAM-AP4-EB-01					
EPA 9315	Radium-226	-0.00958U ± 0.204 (0.529) C:81% T:NA	pCi/L		09/11/25 10:02	
EPA 9320	Radium-228	0.767U ± 0.429 (0.772) C:77% T:89%	pCi/L		09/11/25 14:36	
Total Radium Calculation	Total Radium	0.767U ± 0.633 (1.30)	pCi/L		09/12/25 11:35	
92811508016	HAM-AP4-FB-01					
EPA 9315	Radium-226	-0.318U ± 0.243 (0.846) C:66% T:NA	pCi/L		09/04/25 08:32	
EPA 9320	Radium-228	0.580U ± 0.519 (1.06) C:72% T:86%	pCi/L		09/09/25 16:20	
Total Radium Calculation	Total Radium	0.580U ± 0.762 (1.91)	pCi/L		09/10/25 17:06	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811508017	HAM-AP4-FD-02					
EPA 9315	Radium-226	-0.0221U ± 0.216 (0.601)	pCi/L		09/04/25 10:00	
EPA 9320	Radium-228	C:77% T:NA 1.78 ± 0.745 (1.22)	pCi/L		09/09/25 16:20	
Total Radium Calculation	Total Radium	C:68% T:80% 1.78U ± 0.961 (1.82)	pCi/L		09/10/25 17:06	
92811508018	HAM-AP4-EB-02					
EPA 9315	Radium-226	0.217U ± 0.210 (0.421)	pCi/L		09/11/25 10:02	
EPA 9320	Radium-228	C:89% T:NA 0.323U ± 0.361 (0.757)	pCi/L		09/11/25 14:36	
Total Radium Calculation	Total Radium	C:92% T:84% 0.540U ± 0.571 (1.18)	pCi/L		09/12/25 11:35	
92811508019	HAM-AP4-FB-02					
EPA 9315	Radium-226	-0.0975U ± 0.124 (0.401)	pCi/L		09/11/25 10:02	
EPA 9320	Radium-228	C:89% T:NA 0.649U ± 0.408 (0.757)	pCi/L		09/11/25 14:37	
Total Radium Calculation	Total Radium	C:78% T:84% 0.649U ± 0.532 (1.16)	pCi/L		09/12/25 11:35	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWA-47 **Lab ID: 92811508001** Collected: 08/05/25 16:00 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	0.203U ± 0.275 (0.599) C:98% T:NA	pCi/L	08/26/25 09:55	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.120U ± 0.352 (0.790) C:74% T:91%	pCi/L	08/22/25 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.323U ± 0.627 (1.39)	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWA-48D **Lab ID: 92811508002** Collected: 08/05/25 15:42 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	0.0857U ± 0.281 (0.679) C:84% T:NA	pCi/L	08/26/25 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.746U ± 0.496 (0.948) C:69% T:88%	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.832U ± 0.777 (1.63)	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWA-111 **Lab ID: 92811508003** Collected: 08/06/25 10:43 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	0.00627U ± 0.149 (0.390) C:92% T:NA	pCi/L	09/11/25 08:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.633U ± 0.452 (0.872) C:75% T:83%	pCi/L	09/11/25 14:32	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.639U ± 0.601 (1.26)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWA-112 **Lab ID: 92811508004** Collected: 08/06/25 12:12 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	0.0867U ± 0.160 (0.367) C:95% T:NA	pCi/L	09/11/25 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.414U ± 0.384 (0.779) C:76% T:83%	pCi/L	09/11/25 14:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.501U ± 0.544 (1.15)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWA-113 **Lab ID: 92811508005** Collected: 08/06/25 15:37 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	-0.0162U ± 0.283 (0.745) C:76% T:NA	pCi/L	09/04/25 08:19	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0693U ± 0.613 (1.39) C:58% T:83%	pCi/L	09/09/25 12:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.0693U ± 0.896 (2.14)	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: HAM-HGWC-101 Lab ID: 92811508006 Collected: 08/07/25 11:05 Received: 08/08/25 15:50 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0334U ± 0.171 (0.430) C:80% T:NA	pCi/L	09/11/25 09:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.84 ± 0.643 (0.907) C:74% T:79%	pCi/L	09/11/25 14:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.87 ± 0.814 (1.34)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-102 **Lab ID: 92811508007** Collected: 08/07/25 09:47 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	0.267U ± 0.221 (0.423) C:84% T:NA	pCi/L	09/11/25 09:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.20 ± 0.541 (0.896) C:77% T:89%	pCi/L	09/11/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.47 ± 0.762 (1.32)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-103 **Lab ID: 92811508008** Collected: 08/07/25 09:57 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	0.100U ± 0.315 (0.764) C:70% T:NA	pCi/L	09/04/25 08:19	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.556U ± 0.551 (1.14) C:71% T:75%	pCi/L	09/09/25 12:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.656U ± 0.866 (1.90)	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-105 **Lab ID: 92811508009** Collected: 08/07/25 11:34 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	0.355U ± 0.355 (0.717) C:72% T:NA	pCi/L	09/04/25 08:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.157U ± 0.442 (0.988) C:70% T:86%	pCi/L	09/09/25 12:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.512U ± 0.797 (1.71)	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-107 **Lab ID: 92811508010** Collected: 08/07/25 13:56 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	0.220U ± 0.244 (0.509) C:75% T:NA	pCi/L	09/11/25 09:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.333U ± 0.401 (0.846) C:79% T:81%	pCi/L	09/11/25 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.553U ± 0.645 (1.36)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-109 **Lab ID: 92811508011** Collected: 08/07/25 15:44 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	0.0935U ± 0.214 (0.501) C:70% T:NA	pCi/L	09/11/25 09:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.759 ± 0.410 (0.731) C:81% T:86%	pCi/L	09/11/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.853U ± 0.624 (1.23)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-117A **Lab ID: 92811508012** Collected: 08/07/25 13:28 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	-0.188U ± 0.159 (0.611) C:80% T:NA	pCi/L	09/04/25 09:44	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.367U ± 0.556 (1.20) C:65% T:81%	pCi/L	09/09/25 12:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.367U ± 0.715 (1.81)	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-HGWC-118 **Lab ID: 92811508013** Collected: 08/07/25 15:15 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	0.168U ± 0.321 (0.737) C:83% T:NA	pCi/L	09/04/25 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.494U ± 0.594 (1.26) C:73% T:79%	pCi/L	09/09/25 16:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.662U ± 0.915 (2.00)	pCi/L	09/10/25 17:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-AP4-FD-01 **Lab ID: 92811508014** Collected: 08/07/25 00:00 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	0.0402U ± 0.165 (0.415) C:79% T:NA	pCi/L	09/11/25 10:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.242U ± 0.340 (0.728) C:84% T:84%	pCi/L	09/11/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.282U ± 0.505 (1.14)	pCi/L	09/12/25 11:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-AP4-EB-01 **Lab ID: 92811508015** Collected: 08/07/25 16:35 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	-0.00958U ± 0.204 (0.529) C:81% T:NA	pCi/L	09/11/25 10:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.767U ± 0.429 (0.772) C:77% T:89%	pCi/L	09/11/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.767U ± 0.633 (1.30)	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-4- RADs

Pace Project No.: 92811508

Sample: HAM-AP4-FB-01 **Lab ID: 92811508016** Collected: 08/07/25 16:30 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	-0.318U ± 0.243 (0.846) C:66% T:NA	pCi/L	09/04/25 08:32	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.580U ± 0.519 (1.06) C:72% T:86%	pCi/L	09/09/25 16:20	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.580U ± 0.762 (1.91)	pCi/L	09/10/25 17:06	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-AP4-FD-02	Lab ID: 92811508017	Collected: 08/07/25 00:00	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	-0.0221U ± 0.216 (0.601) C:77% T:NA	pCi/L	09/04/25 10:00	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.78 ± 0.745 (1.22) C:68% T:80%	pCi/L	09/09/25 16:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.78U ± 0.961 (1.82)	pCi/L	09/10/25 17:06	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Sample: HAM-AP4-EB-02 **Lab ID: 92811508018** Collected: 08/07/25 15:02 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	0.217U ± 0.210 (0.421) C:89% T:NA	pCi/L	09/11/25 10:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.323U ± 0.361 (0.757) C:92% T:84%	pCi/L	09/11/25 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.540U ± 0.571 (1.18)	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-4- RADs

Pace Project No.: 92811508

Sample: HAM-AP4-FB-02 **Lab ID: 92811508019** Collected: 08/07/25 15:05 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	-0.0975U ± 0.124 (0.401) C:89% T:NA	pCi/L	09/11/25 10:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.649U ± 0.408 (0.757) C:78% T:84%	pCi/L	09/11/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.649U ± 0.532 (1.16)	pCi/L	09/12/25 11:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

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

Associated Lab Samples: 92811508003, 92811508004, 92811508006, 92811508007, 92811508010, 92811508011, 92811508014, 92811508015, 92811508018, 92811508019

METHOD BLANK:	3741128	Matrix:	Water
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Associated Lab Samples: 92811508003, 92811508004, 92811508006, 92811508007, 92811508010, 92811508011, 92811508014, 92811508015, 92811508018, 92811508019

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.532 ± 0.377 (0.726) C:73% T:90%	pCi/L	09/11/25 11:35	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

QC Batch: 763825

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92811508001, 92811508002

METHOD BLANK: 3722432

Matrix: Water

Associated Lab Samples: 92811508001, 92811508002

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

QC Batch: 763994

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92811508001, 92811508002

METHOD BLANK: 3723177

Matrix: Water

Associated Lab Samples: 92811508001, 92811508002

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

QC Batch:	766763	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92811508005, 92811508008, 92811508009, 92811508012, 92811508013, 92811508016, 92811508017

METHOD BLANK:	3737578	Matrix:	Water
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Associated Lab Samples: 92811508005, 92811508008, 92811508009, 92811508012, 92811508013, 92811508016, 92811508017

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

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

Associated Lab Samples: 92811508003, 92811508004, 92811508006, 92811508007, 92811508010, 92811508011, 92811508014, 92811508015, 92811508018, 92811508019

METHOD BLANK:	3741127	Matrix:	Water
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Associated Lab Samples: 92811508003, 92811508004, 92811508006, 92811508007, 92811508010, 92811508011, 92811508014, 92811508015, 92811508018, 92811508019

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0480 ± 0.173 (0.469) C:96% T:NA	pCi/L	09/11/25 08:30	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

QC Batch:	766761	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92811508005, 92811508008, 92811508009, 92811508012, 92811508013, 92811508016, 92811508017

METHOD BLANK: 3737577 Matrix: Water

Associated Lab Samples: 92811508005, 92811508008, 92811508009, 92811508012, 92811508013, 92811508016, 92811508017

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.

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QUALIFIERS

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

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: 92811508

[1] GEOSYNTEC

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811508001	HAM-HGWA-47	EPA 9315	763825		
92811508002	HAM-HGWA-48D	EPA 9315	763825		
92811508003	HAM-HGWA-111	EPA 9315	767550		
92811508004	HAM-HGWA-112	EPA 9315	767550		
92811508005	HAM-HGWA-113	EPA 9315	766761		
92811508006	HAM-HGWC-101	EPA 9315	767550		
92811508007	HAM-HGWC-102	EPA 9315	767550		
92811508008	HAM-HGWC-103	EPA 9315	766761		
92811508009	HAM-HGWC-105	EPA 9315	766761		
92811508010	HAM-HGWC-107	EPA 9315	767550		
92811508011	HAM-HGWC-109	EPA 9315	767550		
92811508012	HAM-HGWC-117A	EPA 9315	766761		
92811508013	HAM-HGWC-118	EPA 9315	766761		
92811508014	HAM-AP4-FD-01	EPA 9315	767550		
92811508015	HAM-AP4-EB-01	EPA 9315	767550		
92811508016	HAM-AP4-FB-01	EPA 9315	766761		
92811508017	HAM-AP4-FD-02	EPA 9315	766761		
92811508018	HAM-AP4-EB-02	EPA 9315	767550		
92811508019	HAM-AP4-FB-02	EPA 9315	767550		
92811508001	HAM-HGWA-47	EPA 9320	763994		
92811508002	HAM-HGWA-48D	EPA 9320	763994		
92811508003	HAM-HGWA-111	EPA 9320	767551		
92811508004	HAM-HGWA-112	EPA 9320	767551		
92811508005	HAM-HGWA-113	EPA 9320	766763		
92811508006	HAM-HGWC-101	EPA 9320	767551		
92811508007	HAM-HGWC-102	EPA 9320	767551		
92811508008	HAM-HGWC-103	EPA 9320	766763		
92811508009	HAM-HGWC-105	EPA 9320	766763		
92811508010	HAM-HGWC-107	EPA 9320	767551		
92811508011	HAM-HGWC-109	EPA 9320	767551		
92811508012	HAM-HGWC-117A	EPA 9320	766763		
92811508013	HAM-HGWC-118	EPA 9320	766763		
92811508014	HAM-AP4-FD-01	EPA 9320	767551		
92811508015	HAM-AP4-EB-01	EPA 9320	767551		
92811508016	HAM-AP4-FB-01	EPA 9320	766763		
92811508017	HAM-AP4-FD-02	EPA 9320	766763		
92811508018	HAM-AP4-EB-02	EPA 9320	767551		
92811508019	HAM-AP4-FB-02	EPA 9320	767551		
92811508001	HAM-HGWA-47	Total Radium Calculation	767371		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

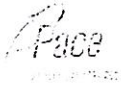
Project: Plant Hammond-AP-4- RADs

Pace Project No.: 92811508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811508002	HAM-HGWA-48D	Total Radium Calculation	767371		
92811508003	HAM-HGWA-111	Total Radium Calculation	770493		
92811508004	HAM-HGWA-112	Total Radium Calculation	770493		
92811508005	HAM-HGWA-113	Total Radium Calculation	770007		
92811508006	HAM-HGWC-101	Total Radium Calculation	770493		
92811508007	HAM-HGWC-102	Total Radium Calculation	770493		
92811508008	HAM-HGWC-103	Total Radium Calculation	770007		
92811508009	HAM-HGWC-105	Total Radium Calculation	770007		
92811508010	HAM-HGWC-107	Total Radium Calculation	770493		
92811508011	HAM-HGWC-109	Total Radium Calculation	770493		
92811508012	HAM-HGWC-117A	Total Radium Calculation	770007		
92811508013	HAM-HGWC-118	Total Radium Calculation	770007		
92811508014	HAM-AP4-FD-01	Total Radium Calculation	770493		
92811508015	HAM-AP4-EB-01	Total Radium Calculation	770493		
92811508016	HAM-AP4-FB-01	Total Radium Calculation	770007		
92811508017	HAM-AP4-FD-02	Total Radium Calculation	770007		
92811508018	HAM-AP4-EB-02	Total Radium Calculation	770493		
92811508019	HAM-AP4-FB-02	Total Radium Calculation	770493		

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

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name:

CA Power

Project #:

WO#: 92811508



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: 8/6/15 [initials]

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:

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



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

Effective Date: 05/24/2024

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

Project #

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

Client Profile/EZ (Circle one) Notes

Table with columns for Item #, Description, and a grid for recording data. Includes handwritten notes like 'BPIN' and '25'.

pH Adjustment Log for Preserved Samples

Table with 7 columns: 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.

Company Name: **Georgia Power- Hammond**
 Street Address: **241 Ralph McGill Blvd NE**
Bin 10160
Atlanta, GA 30308

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: **EST** | JAK | JPT | JMT | JCI | JET
 Regulatory Program (DW, RCDA, etc.) as applicable: **Georgia**
 Reprintable: Yes No

Rush (Pre-approval required):
 Same Day 1-2 Day 3 Day Other
 Date Results: Rush (Pre-approval required)
 Field Filtered (if applicable): Yes No

Analysis:
 * Matrix Copies (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OI), Wipes (WP), Tissue (TS), Biosolids (B), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Cask (CA), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix*	Comp / Grab	Date	Time	Collected or Composite End	# Cont.	Res. Chlorine Results	Units
HAM-HGWA-47	WG	Grab	8/5/2025	1600	4	JN 8/5/2025		
HAM-HGWA-48D	WG	Grab	8/5/2025	1542	4	JN 8/5/2025		
HAM-HGWA-47	WG	Grab	8/5/2025	1600	2			
HAM-HGWA-48D	WG	Grab	8/5/2025	1542	2			

Additional Instructions from Pace*: **Task Code: HAM-CCR-ASSMT-202552**
 Collected by: **Jamie Newsome, Thomas Kessler**
 Signature: _____

Received by/Company (Signature): **William**
 Date/Time: **8/14/25 1550**

Received by/Company (Signature): **William**
 Date/Time: **8/14/25 1550**

Received by/Company (Signature): _____
 Date/Time: _____

WO#: 92811508

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

Specify Container Size**
 Identify Container Preservative Type***

Analysis Requested

Proj. Mgr: **Bonnie Vang**
 Account / Client ID:
 Table #:
 Profile / Template: **16483**
 Prelog / Bottle Ord. ID: **EZ 3283436**

Sample Comment
 Temp = 19 deg C
 Temp = 21 deg C
 Temp = 19 deg C 001
 Temp = 21 deg C 002

Preservation non-conformance identified for

AP III/IV Metals
 300-Cl, SO4, F
 RAD 226/228

Thermometer ID: _____ Obs. Temp. (°C) _____ Corrected Temp. (°C) _____ On-ker: _____

Customer Remarks / Special Conditions / Possible Hazards:

Tracking Number:
 Delivered by: In-Person Courier
 FedEx UPS Other

Pages: **1** of **1.00**



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

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

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

Date/Initials Person Examining Contents: _____

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 214 Type of Ice: Wet Blue None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 4.0

USDA Regulated Soil (N/A, water sample)

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

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

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

Project #

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

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

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

***Check all unpreserved Nitrates for chlorine

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	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-Wire-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-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
CC																													
1	/				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
2	/				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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11	/	/	/		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
12	/	/	/		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

pH Adjustment Log for Preserved Samples


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

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

LAB USE ONLY - Affix Workorder/Login Label Here

92811508

Scan QR Code for instructions



CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

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

Company Name: Georgia Power- Hammond
Street Address: 241 Ralph McGill Blvd NE Bldg 10160 Atlanta, GA 30308

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 #:

County / State origin of sample(s): Georgia

Specify Container Size **

3	2	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) Sulf ThioSulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Proj. Mgr: **Bonnie Vang**
AcctNum / Client ID:
Table #: **16483**
Profile / Template:
Prelog / Bottle Ord. ID: **EZ 3783436**

Lab Use Only

Customer Sample ID	Matrix	Comp / Grab	Date	Time	Collected or Composite End	# Cont.	Res. Results	Units	Sample Comment
HAM-HGWA-111	WG	G	8/6/2025	1043	6				Temp = 20 °C 003
HAM-HGWA-112	WG	G	JN 8/6/2025	1212	6				Temp = 21 °C 004
HAM-HGWA-113	WG	G	8/6/2025	1537	6				Temp = 29 °C 005

2540C Total Dissolved Solids

300.0-Cl, SO4, F

APF III/IV Metals

RAD 226/228

Additional Instructions from Pace*: **TASK CODE: HAM-CCR-ASSMT-202552**

Collected By: **Zain Webb**
Signature: *Zain Webb*

Relinquished by/Company (Signature): *Zain Webb / Geosystem*
Date/Time: **8/6/25 1320**

Relinquished by/Company (Signature): *Zain Webb / Pace*
Date/Time: **8/6/25 1530**

Relinquished by/Company (Signature): *Zain Webb / Pace*
Date/Time: **8/6/25 1530**

Relinquished by/Company (Signature): *Zain Webb / Pace*
Date/Time: **8/6/25 1530**

Customer Remarks / Special Conditions / Possible Hazards:

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

Tracking Number: **1320**

Delivered by: In-Person Courier

FedEx UPS Other

Page: **1** of **1**

ENV-FRM-CORQ-0019_v02_110123 ©



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

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville



Client Name:

Project #:

Log power

[Empty box for 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: *6/18/24*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: *230* 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: <i>u</i>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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

Project #

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

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

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

***Check all unpreserved Nitrates for chlorine

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

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

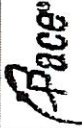
Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGTU-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 Ne2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-10 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	VJGK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
CC																													
1	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
2	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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12	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

13 11 2 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.



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

Company Name: Georgia Power- Hammond
Street Address: 241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

Customer Project #: Plant Hammond-(AP-4)-2nd SA

Site Collection Info/Facility ID (as applicable):

CHAIN-OF-CUSTODY Analytical Request Document

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

Contact/Report To: Kristen Jurinko
Phone #: 470-217-0008
E-Mail: knjurink@southernco.com
Cc E-Mail:

Account Payable
Invoice E-Mail: georgiapowerinvoices@southernco.com
Purchase Order # (if applicable): GPC82474-0011
Quote #:



Scan QR Code for instructions

LAB USE ONLY- Affix Workorder/Login Label Here

Specify Container Size **

3	2	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, (7) ER-Cone, (8) TerraCone, (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

Proj. Mgr:
Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template:
16483
Prelog / Bottle Ord. ID:
EZ 3283436

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Time	Collected or Composite End Date	Time	# Cont.	Res. Chlorine Results	Units
HAM-HGWC-101	WG	Grab	8/7/2025	1105	8/7/2025	1105	6	JN 8/7/2025	
HAM-HGWC-102	WG	Grab	8/7/2025	0947	8/7/2025	0947	6		
HAM-HGWC-103	WG	Grab	8/7/2025	0957	8/7/2025	0957	6		
HAM-HGWC-105	WG	Grab	8/7/2025	1134	8/7/2025	1134	6		
HAM-HGWC-107	WG	Grab	8/7/2025	1356	8/7/2025	1356	6		
HAM-HGWC-109	WG	Grab	8/7/2025	1544	8/7/2025	1544	6		
HAM-HGWC-117A	WG	Grab	JN 8/7/2025	1328	8/7/2025	1328	6		
HAM-HGWC-118	WG	Grab	8/7/2025	1515	8/7/2025	1515	6		
HAM-AP4-FD-01	WG	Grab	8/7/2025	0000	8/7/2025	0000	6		
HAM-AP4-EB-01	WQ	Grab	8/7/2025	1635	8/7/2025	1635	6		

Additional Instructions from Pace*:
Task Code: HAM-CCR-ASSMT-20252

Customer Remarks / Special Conditions / Possible Hazards:

2540C Total Dissolved Solids
300.0-CL, SO4, F
APP III/IV Metals
RAD 226/228

Temp = 20 °C 006
Temp = 20 °C 007
Temp = 20 °C 008
Temp = 20 °C 009
Temp = 22 °C 010
Temp = 22 °C 011
Temp = 21 °C 012
Temp = 21 °C 013
Temp = 20 °C 014
Temp = 20 °C 015

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

Time Zone Collected:	Regulatory Program (D/W, RCRA, etc.) as applicable:	Reportable:	Yes	No				
() Level II () Level III () Level IV () Level V () EQUS () Other	() JAK () PT () MT () CT () ET	() Same Day () 1 Day () 2 Day () 3 Day () Other						
Date Results Requested:	Date Results Requested:	Field Filtered (if applicable):	() Yes	() No				
* 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), Biossage (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (O1)	County / State origin of sample(s):	DW PWSID # or WW Permit # as applicable:						
Customer Sample ID	Matrix *	Composite Start Date	Time	Collected or Composite End Date	Time	# Cont.	Res. Chlorine Results	Units
HAM-HGWC-101	WG	8/7/2025	1105	8/7/2025	1105	6	JN 8/7/2025	
HAM-HGWC-102	WG	8/7/2025	0947	8/7/2025	0947	6		
HAM-HGWC-103	WG	8/7/2025	0957	8/7/2025	0957	6		
HAM-HGWC-105	WG	8/7/2025	1134	8/7/2025	1134	6		
HAM-HGWC-107	WG	8/7/2025	1356	8/7/2025	1356	6		
HAM-HGWC-109	WG	8/7/2025	1544	8/7/2025	1544	6		
HAM-HGWC-117A	WG	JN 8/7/2025	1328	8/7/2025	1328	6		
HAM-HGWC-118	WG	8/7/2025	1515	8/7/2025	1515	6		
HAM-AP4-FD-01	WG	8/7/2025	0000	8/7/2025	0000	6		
HAM-AP4-EB-01	WQ	8/7/2025	1635	8/7/2025	1635	6		

Collected By: **Jamie Newsome, Zain Webb**
Signature: _____

Date/Time: **8/8/25 1320**
Date/Time: **8/8/25 1550**

Received by/Company (Signature): **Juan W. Williams / Pace**
Received by/Company (Signature): _____
Received by/Company (Signature): _____
Received by/Company (Signature): _____

Tracking Number:
Delivered by: () In-Person () Courier () FedEx () UPS () Other
Page: **1** of **2**

CHAIN-OF-CUSTODY Analytical Request Document

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

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

Company Name: Georgia Power- Hammond
Street Address: 241 Ralph McGill Blvd NE
 Bin 10160
 Atlanta, GA 30308

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): GPCB2474-0011
Quote #:

Country / State origin of sample(s): Georgia
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable Yes No
Rush (Pre-approval required): Same Day 1-2 Day 3 Day Other No
Field Filtered (if applicable): Yes No
Analysis:

Date Results Requested:
 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 (C), Leachate (L), Biosolid (BS), Other (OT)
 Other

Customer Sample ID	Matrix *	Composite Start		# Cont.	Res. Chlorine Results	Units
		Date	Time			
HAM-AP4-FB-01	WQ	8/7/2025	1630	6		
HAM-AP4-FD-02	WG	8/7/2025	0000	6		
HAM-AP4-EB-02	WQ	8/7/2025	1502	6		
HAM-AP4-FB-02	WQ	8/7/2025	1505	6	JN 8/7/2025	

Additional Instructions from Pace*:
 Task Code: HAM-CCR-ASSMT-2025Z2

Collected By: Jamie Newsome, Zain Webb
Signature:

Date/Time	Signature	Date/Time	Signature
8/8/25 1520	Jamie Newsome	8/8/25 1520	Zain Webb
8/8/25 1530	Jamie Newsome	8/8/25 1530	Zain Webb

Received by Company (Signature): [Signature]
Received by Company (Signature): [Signature]
Received by Company (Signature): [Signature]
Received by Company (Signature): [Signature]

Tracking Number: 1320
Delivered by: In-Person Courier
 FedEx UPS Other

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-CORQ-0019_v02_110123 ©

3	2	2X3	2X1	Specify Container Size **
1	1	2	2	Identify Container Preservative Type***
1	1	2	2	Analysts Requested

Proj. Mgr: Bonnie Vang
AccNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283436
Sample Comment:
 Temp = 20 °C 016
 Temp = 20 °C 017
 Temp = 20 °C 018
 Temp = 20 °C 019
 Last Sample

300.0-Cl, SO4, F	AP III/IV Metals	300.0-Cl, SO4, F	AP III/IV Metals
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X

Customer Remarks / Special Conditions / Possible Hazards:
 RAD 226/228
 Preservation non-conformance identified for sample.

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Connected Temp. (°C) On Sec.

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

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

Method Blank Assessment	
MB Sample ID	3722432
MB concentration:	0.063
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		LCS (Y or N)?	Y
Count Date:	8/27/2025	LCSDB6546	
Spike I.D.:	23-014	8/27/2025	
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%	

Duplicate Sample Assessment		LCSDB6546	92810485029
Sample I.D.:	92810485029	92810485029	
Duplicate Sample I.D.:	92810485029DUP	-0.063	
Sample Result (pCi/L, g, F):	3.820	0.212	
Sample Duplicate Result (pCi/L, g, F):	0.824	0.084	
Sample Result 2 Sigma CSU (pCi/L, g, F):	5.418	0.202	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.065	NO	
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%	

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

Comments:

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

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

MAN 8/27/25

ST
8-27-25

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

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

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	LCS/D (Y or N)?	
	LCS86832	Y
Count Date:	9/11/2025	LCS86832
Spike I.D.:	23-014	9/11/2025
Decay Corrected Spike Concentration (pCi/mL):	25.009	23-014
Volume Used (mL):	0.10	25.009
Aliquot Volume (L, g, F):	0.504	0.10
Target Conc. (pCi/L, g, F):	4.958	0.505
Uncertainty (Calculated):	0.233	4.958
Result (pCi/L, g, F):	5.126	0.233
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.974	4.675
Numerical Performance Indicator:	0.33	0.881
Percent Recovery:	103.40%	-0.59
Status vs Numerical Indicator:	Pass	94.44%
Upper % Recovery Limits:	N/A	Pass
Lower % Recovery Limits:	75%	N/A
		75%

Duplicate Sample Assessment	LCS86832	
	Sample I.D.:	92811501006
Duplicate Sample I.D.:	LCS86832	92811501006DUP
Sample Result (pCi/L, g, F):	5.126	0.862
Sample Duplicate Result (pCi/L, g, F):	0.974	0.337
Sample Duplicate Result 2 Sigma CSU (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%

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): 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: 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: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D. Sample MS I.D. Sample MSD I.D. Sample Matrix Spike Result: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Sample 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:

9/11/25

Quality Control Sample Performance Assessment



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
MB 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
	LCSD86784	LCSD86784	
Count Date:	9/4/2025	9/4/2025	LCSD86784
Spike I.D.:	23-014	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009	25.009
Aliquot Volume (L, g, F):	0.10	0.10	0.10
Target Conc. (pCi/L, g, F):	4.962	4.962	4.935
Uncertainty (Calculated):	0.233	0.233	4.973
Result (pCi/L, g, F):	4.835	4.835	1.094
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.059	1.059	100.77%
Numerical Performance Indicator:	-0.23	0.07	Pass
Percent Recovery:	97.44%	100.77%	N/A
Status vs Numerical Indicator:	Pass	Pass	125%
Upper % Recovery Limits:	N/A	N/A	75%
Lower % Recovery Limits:	75%	75%	

Duplicate Sample Assessment	
Sample I.D.:	92810485047
Duplicate Sample I.D.:	92810485047DUP
Sample Result (pCi/L, g, F):	4.535
Duplicate Sample Result (pCi/L, g, F):	4.973
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.059
Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.094
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-0.178
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.35%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A
% RPD Limit:	25%

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

Comments:

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): 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: 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Duplicate Result: Matrix Spike Duplicate Result: 2 Sigma CSU (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D. Sample MS I.D. Sample MSD I.D. Sample Matrix Spike Result: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Sample Matrix 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:

9/4/25

9-4-25

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
Count Date:		LCSD86556	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):		0.822	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
LCSD/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%

Duplicate Sample Assessment	
Sample I.D.:	LCSD86556
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 LCSD/LCSD Percent Recoveries) Duplicate RPD:	21.67%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Pass
% RPD Limit:	35%

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

Comments:

MS/MSD/25/25

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): Matrix Spike Result: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D. Sample MS I.D. Sample MSD I.D. 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:

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: ZPC
Date: 9/2/2025
Worklist: 86785
Matrix: WT

Method Blank Assessment	
MB Sample ID	3737578
MB concentration:	0.315
MB 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		LCS (Y or N)?	Y
Count Date:		LCS86785	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):		0.821	0.821
Target Conc. (pCi/L, g, F):		3.836	3.815
Uncertainty (Calculated):		0.188	0.187
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):		3.868	3.254
Numerical Performance Indicator:		0.959	0.852
Percent Recovery:		100.84%	-1.26
Status vs Numerical Indicator:		N/A	85.29%
Upper % Recovery Limits:		Pass	N/A
Lower % Recovery Limits:		135%	Pass
		60%	60%

Duplicate Sample Assessment	
Sample I.D.:	LCS86785
Duplicate Sample I.D.:	LCS86785
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%

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

Comments:

9/10/25

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): 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: Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D. Sample MS I.D. Sample MSD I.D. Sample Matrix Spike Result: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Sample 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:

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

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



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		LCS/D (Y or N)?	Y
Count Date:	9/11/2025	LCS86833	9/11/2025
Spike I.D.:	23-043	LCS86833	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		100.45%
Percent Recovery:	83.10%		N/A
Status vs Numerical Indicator:	N/A		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 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		Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	LCS86833	Sample I.D.:	
Duplicate Sample I.D.:	LCS86833	Sample MS I.D.:	
Sample Result (pCi/L, g, F):	3.190	Sample MSD I.D.:	
Sample Duplicate Result (pCi/L, g, F):	0.865	Sample Matrix Spike Result:	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	3.853	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.973	Sample Matrix Spike Duplicate Result:	
Are sample and/or duplicate results below RL?	NO	Sample Matrix Spike Duplicate Duplicate Numerical Performance Indicator:	
Duplicate Numerical Performance Indicator:	-0.998	Duplicate Numerical Performance Indicator:	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	18.91%	(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	Pass	MS/MSD Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	Pass	MS/MSD Duplicate Status vs RPD:	
% RPD Limit:	36%	% RPD Limit:	

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

[Handwritten signature]

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

Comments:

VALIDATION REPORTS

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 92811505**

SITE: Plant Hammond AP-4

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirteen water samples, two field duplicates, two field blanks, and two equipment blanks, collected 5-7 August 2025, as part of the Plant Hammond AP-4 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
92811505001	HAM-HGWA-47
92811505002	HAM-HGWA-48D
92811505003	HAM-HGWA-111
92811505004	HAM-HGWA-112
92811505005	HAM-HGWA-113
92811505006	HAM-HGWC-101
92811505007	HAM-HGWC-102
92811505008	HAM-HGWC-103
92811505009	HAM-HGWC-105
92811505010	HAM-HGWC-107

Laboratory IDs	Client IDs
92811505011	HAM-HGWC-109
92811505012	HAM-HGWC-117A
92811505013	HAM-HGWC-118
92811505014	HAM-AP4-FD-01
92811505015	HAM-AP4-EB-01
92811505016	HAM-AP4-FB-01
92811505017	HAM-AP4-FD-02
92811505018	HAM-AP4-EB-02
92811505019	HAM-AP4-FB-02

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). Two sample set specific MS/MSD pairs were reported, using samples HAM-HGWA-111 and HAM-HGWC-118. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of boron and calcium in the MS/MSD pair using sample HAM-HGWC-118 were high or low and outside of laboratory specified acceptance criteria. Since the boron and calcium concentrations in sample HAM-HGWC-118 were greater than four times the spiked concentrations, no qualifications were applied to the data, based on the MS/MSD recovery results.

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.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	DQM Reason Code(s)
HAM-HGWC-118	Boron	0.67	M1	0.67	NA ^β	MS3
HAM-HGWC-118	Calcium	74.3	M1	74.3	NA ^β	MS3

mg/L- milligram per liter

M1-Laboratory flag indicating that the MS recovery exceeded QC limits.

NA^β-Not applicable. The laboratory flag was removed, and no qualifications were applied to the data based on this validation.

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

Two field blanks, HAM-AP4-FB-01 and HAM-AP4-FB-02, were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs, with the following exception.

Chromium (0.0020 mg/L) was detected in the field blank HAM-AP4-FB-01 at an estimated concentration greater than the MDL and less than the RL. Since the estimated chromium concentration in the field blank was U qualified as not detected at the RL due to blank contamination, no qualifications were applied to the data.

1.7 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.

1.8 Equipment Blank

Two equipment blanks, HAM-AP4-EB-01 and HAM-AP4-EB-02, were collected with the sample set. Metals were not detected in the equipment blanks above the MDLs, with the following exceptions.

Calcium (0.12 mg/L) was detected in the equipment blank HAM-AP4-EB-01 at an estimated concentration greater than the MDL and less than the RL. Since calcium was detected in the associated samples at concentrations greater than ten times the blank contamination, no qualifications were applied to the data.

Chromium (0.0014 mg/L) was detected in the equipment blank HAM-AP4-EB-02 at an estimated concentration greater than the MDL and less than the RL. Since the estimated chromium concentration in the field blank was U qualified as not detected at the RL due to blank contamination, no qualifications were applied to the data.

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). One sample set specific MS/MSD pair was reported, using sample HAM-HGWC-107. 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.

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

Two field blanks, HAM-AP4-FB-01 and HAM-AP4-FB-02, were collected with the sample set. Mercury was not detected in the field blanks 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

Two equipment blanks, HAM-AP4-EB-01 and HAM-AP4-EB-02, were collected with the sample set. Mercury was not detected in the equipment blanks 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). Two sample set specific MS/MSD pairs were reported for anions, using samples HAM-HGWC-102 and HAM-AP4-FD-02. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of fluoride in the MS/MSD pairs were high and outside of the laboratory specified acceptance criteria. Therefore, the fluoride concentrations in samples HAM-HGWC-102 and HAM-AP4-FD-02 were J+ qualified as qualified as estimated with a high bias. It is noted that the final validation qualifier for a result that was J flagged by the laboratory, indicating that the quantitation is estimated, and J+ qualified as estimated with a high bias was reconciled to be J

qualified as estimated. A non-directional qualification is used when both a directional and non-directional qualification are applied to the same result, based on professional and technical judgement.

The recoveries of sulfate in the MS/MSD pairs were low and outside of the laboratory specified acceptance criteria. Therefore, the sulfate concentrations in samples HAM-HGWC-102 and HAM-AP4-FD-02 were J- qualified as qualified as estimated with a low bias.

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.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Final Qualifier	DQM Reason Code
HAM-AP4-FD-02	Fluoride	0.057	J,M1	0.057	J+	J	MS1
HAM-HGWC-102	Fluoride	0.067	J,M1	0.067	J+	J	MS1
HAM-AP4-FD-02	Sulfate	87.3	M1	87.3	J-	J-	MS1
HAM-HGWC-102	Sulfate	336	M1	336	J-	J-	MS1

mg/L- milligrams per liter

J-estimated concentration greater than or equal to the MDL and less than the RL

M1-Matrix spike recovery exceeded QC limits

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-AP4-FD-01. 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

Two field blanks, HAM-AP4-FB-01 and HAM-AP4-FB-02, were 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

Two equipment blanks, HAM-AP4-EB-01 and HAM-AP4-EB-02, were 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.

* * * * *

**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.

DQM Reason Code	Description
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
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit

**ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec’s Data Validation Team**

DQM Reason Code	Description
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

ATTACHMENT 2
DATA VALIDATION REASON CODES
 Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT
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

DQM Reason Code	Description
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
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

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
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
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

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

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-1

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 (°C). 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 [$MD \leq 3$, relative percent difference (RPD) $\leq 30\%$] 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.

* * * * *

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 3:05:29 PM

Project: GP-Plant Hammond

Operator Name: J. Newsome

Location Name: HGWA-47 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.74 ft Total Depth: 43.74 ft Initial Depth to Water: 7.05 ft	Pump Type: Peristaltic Tubing Type: Poly Pump Intake From TOC: 38.74 ft Estimated Total Volume Pumped: 10 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 965586
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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 3:05 PM	00:00	7.33 pH	21.14 °C	391.92 µS/cm	1.33 mg/L	3.05 NTU	33.4 mV	7.15 ft	200.00 ml/min
8/5/2025 3:10 PM	05:00	7.34 pH	20.88 °C	397.53 µS/cm	1.30 mg/L	1.80 NTU	33.6 mV	7.15 ft	200.00 ml/min
8/5/2025 3:15 PM	10:00	7.35 pH	20.75 °C	314.60 µS/cm	1.27 mg/L	1.93 NTU	34.6 mV	7.15 ft	200.00 ml/min
8/5/2025 3:20 PM	15:00	7.35 pH	20.77 °C	400.06 µS/cm	1.26 mg/L	1.45 NTU	35.8 mV	7.15 ft	200.00 ml/min
8/5/2025 3:25 PM	20:00	7.35 pH	20.62 °C	363.31 µS/cm	1.21 mg/L	2.19 NTU	38.1 mV	7.15 ft	200.00 ml/min
8/5/2025 3:30 PM	25:00	7.35 pH	20.56 °C	414.97 µS/cm	1.28 mg/L	1.87 NTU	40.0 mV	7.15 ft	200.00 ml/min
8/5/2025 3:35 PM	30:00	7.36 pH	20.59 °C	392.04 µS/cm	1.26 mg/L	1.72 NTU	41.3 mV	7.15 ft	200.00 ml/min
8/5/2025 3:40 PM	35:00	7.35 pH	20.61 °C	416.69 µS/cm	1.20 mg/L	1.09 NTU	43.4 mV	7.15 ft	200.00 ml/min
8/5/2025 3:45 PM	40:00	7.35 pH	20.59 °C	392.87 µS/cm	1.25 mg/L	1.86 NTU	44.4 mV	7.15 ft	200.00 ml/min
8/5/2025 3:50 PM	45:00	7.36 pH	20.48 °C	394.16 µS/cm	1.26 mg/L	1.74 NTU	45.6 mV	7.15 ft	200.00 ml/min
8/5/2025 3:55 PM	50:00	7.35 pH	20.68 °C	395.37 µS/cm	1.22 mg/L	1.10 NTU	47.6 mV	7.15 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-47	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 2:36:58 PM

Project: GP-Plant Hammond

Operator Name: T. Kessler

Location Name: HGWA-48D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 62.97 ft Total Depth: 72.97 ft Initial Depth to Water: 6.85 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 67.97 ft Estimated Total Volume Pumped: 13 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 5.9 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
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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	+/- 5	
8/5/2025 2:36 PM	00:00	7.391 pH	20.58 °C	374.3 µS/cm	1.180 mg/L	20.90 NTU	-107.7 mV	8.730 ft	200.0 ml/min
8/5/2025 2:41 PM	05:00	7.393 pH	20.40 °C	378.4 µS/cm	1.059 mg/L	6.920 NTU	-98.1 mV	9.500 ft	200.0 ml/min
8/5/2025 2:46 PM	10:00	7.391 pH	20.14 °C	378.2 µS/cm	0.932 mg/L	6.560 NTU	-106.8 mV	10.22 ft	200.0 ml/min
8/5/2025 2:51 PM	15:00	7.390 pH	19.96 °C	377.6 µS/cm	0.765 mg/L	4.390 NTU	-100.6 mV	10.70 ft	200.0 ml/min
8/5/2025 2:56 PM	20:00	7.392 pH	19.77 °C	377.4 µS/cm	0.808 mg/L	3.730 NTU	-99.0 mV	11.18 ft	200.0 ml/min
8/5/2025 3:01 PM	25:00	7.396 pH	19.68 °C	376.3 µS/cm	0.685 mg/L	3.550 NTU	-98.8 mV	11.60 ft	200.0 ml/min
8/5/2025 3:06 PM	30:00	7.399 pH	19.51 °C	376.0 µS/cm	1.065 mg/L	4.780 NTU	-98.4 mV	11.90 ft	200.0 ml/min
8/5/2025 3:11 PM	35:00	7.403 pH	19.51 °C	376.5 µS/cm	1.070 mg/L	4.080 NTU	-96.5 mV	12.14 ft	200.0 ml/min
8/5/2025 3:16 PM	40:00	7.404 pH	19.45 °C	375.5 µS/cm	0.671 mg/L	3.820 NTU	-95.1 mV	12.25 ft	200.0 ml/min
8/5/2025 3:21 PM	45:00	7.406 pH	19.43 °C	375.0 µS/cm	0.895 mg/L	3.140 NTU	-93.4 mV	12.40 ft	200.0 ml/min
8/5/2025 3:26 PM	50:00	7.406 pH	19.49 °C	373.2 µS/cm	0.795 mg/L	12.60 NTU	-62.4 mV	12.60 ft	200.0 ml/min
8/5/2025 3:31 PM	55:00	7.408 pH	19.37 °C	373.1 µS/cm	0.683 mg/L	3.300 NTU	-61.2 mV	12.70 ft	200.0 ml/min
8/5/2025 3:36 PM	01:00:00	7.408 pH	19.33 °C	374.8 µS/cm	0.800 mg/L	4.510 NTU	-88.6 mV	12.75 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-48D	Grab.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 9:43:50 AM

Project: GP-Plant Hammond

Operator Name: Z. Webb

Location Name: HGWA-111 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.67 ft Total Depth: 43.67 ft Initial Depth to Water: 11.16 ft	Pump Type: Peristaltic Tubing Type: Poly Pump Intake From TOC: 38.67 ft Estimated Total Volume Pumped: 12 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 2.15 ft	Instrument Used: Aqua TROLL 400 Serial Number: 989630
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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	
8/6/2025 9:43 AM	00:00	6.150 pH	20.46 °C	119.8 µS/cm	4.467 mg/L	0.000 NTU	121.6 mV	11.16 ft	200.0 ml/min
8/6/2025 9:48 AM	05:00	6.079 pH	19.92 °C	121.6 µS/cm	4.558 mg/L	0.000 NTU	125.8 mV	12.82 ft	200.0 ml/min
8/6/2025 9:53 AM	10:00	6.121 pH	19.95 °C	138.6 µS/cm	4.440 mg/L	0.000 NTU	123.4 mV	12.97 ft	200.0 ml/min
8/6/2025 9:58 AM	15:00	6.495 pH	20.13 °C	222.8 µS/cm	3.994 mg/L	0.300 NTU	141.8 mV	13.06 ft	200.0 ml/min
8/6/2025 10:03 AM	20:00	6.653 pH	20.78 °C	236.8 µS/cm	3.808 mg/L	0.000 NTU	108.9 mV	13.09 ft	200.0 ml/min
8/6/2025 10:08 AM	25:00	6.734 pH	20.48 °C	256.6 µS/cm	3.696 mg/L	0.000 NTU	108.9 mV	13.14 ft	200.0 ml/min
8/6/2025 10:13 AM	30:00	6.810 pH	20.64 °C	270.9 µS/cm	3.621 mg/L	0.000 NTU	108.1 mV	13.16 ft	200.0 ml/min
8/6/2025 10:18 AM	35:00	6.878 pH	20.52 °C	280.6 µS/cm	3.578 mg/L	0.110 NTU	107.3 mV	13.19 ft	200.0 ml/min
8/6/2025 10:23 AM	40:00	6.925 pH	20.26 °C	292.2 µS/cm	3.566 mg/L	0.000 NTU	106.7 mV	13.23 ft	200.0 ml/min
8/6/2025 10:28 AM	45:00	6.967 pH	20.16 °C	299.9 µS/cm	3.526 mg/L	0.000 NTU	105.7 mV	13.25 ft	200.0 ml/min
8/6/2025 10:33 AM	50:00	6.987 pH	20.08 °C	299.7 µS/cm	3.540 mg/L	0.000 NTU	105.1 mV	13.28 ft	200.0 ml/min
8/6/2025 10:39 AM	55:41	7.027 pH	20.29 °C	309.6 µS/cm	3.463 mg/L	0.000 NTU	89.6 mV	13.31 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAN-HGWA-111	Grab.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 11:36:49 AM

Project: GP-Plant Hammond

Operator Name: Z. Webb

Location Name: HGWA-112 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.15 ft Total Depth: 40.15 ft Initial Depth to Water: 11.16 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 35.15 ft Estimated Total Volume Pumped: 7 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 2.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 989630
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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	
8/6/2025 11:36 AM	00:00	5.533 pH	21.15 °C	76.73 µS/cm	0.845 mg/L	0.470 NTU	161.4 mV	11.16 ft	200.0 ml/min
8/6/2025 11:41 AM	05:00	5.534 pH	20.65 °C	77.61 µS/cm	0.792 mg/L	0.290 NTU	177.5 mV	12.98 ft	200.0 ml/min
8/6/2025 11:46 AM	10:00	5.540 pH	20.35 °C	77.82 µS/cm	0.736 mg/L	0.440 NTU	180.8 mV	13.09 ft	200.0 ml/min
8/6/2025 11:51 AM	15:00	5.485 pH	20.33 °C	77.81 µS/cm	0.695 mg/L	0.140 NTU	185.0 mV	13.16 ft	200.0 ml/min
8/6/2025 11:56 AM	20:00	5.498 pH	20.53 °C	76.60 µS/cm	0.687 mg/L	0.110 NTU	185.1 mV	13.22 ft	200.0 ml/min
8/6/2025 12:01 PM	25:00	5.522 pH	20.64 °C	78.11 µS/cm	0.699 mg/L	0.080 NTU	184.5 mV	13.29 ft	200.0 ml/min
8/6/2025 12:06 PM	30:00	5.519 pH	20.58 °C	77.97 µS/cm	0.659 mg/L	0.160 NTU	245.7 mV	13.35 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-112	Grab.

Low-Flow Test Report:

Test Date / Time: 8/6/2025 1:36:56 PM

Project: GP-Plant Hammond

Operator Name: Z. Webb

Location Name: HGWA-113 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 26.11 ft Total Depth: 36.11 ft Initial Depth to Water: 9.15 ft	Pump Type: Peristaltic Tubing Type: Poly Pump Intake From TOC: 31.11 ft Estimated Total Volume Pumped: 11.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 10.34 ft	Instrument Used: Aqua TROLL 400 Serial Number: 989630
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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	+/- 0.3	
8/6/2025 1:36 PM	00:00	6.030 pH	24.72 °C	107.1 µS/cm	1.021 mg/L	0.470 NTU	109.0 mV	9.150 ft	100.0 ml/min
8/6/2025 1:41 PM	05:00	5.983 pH	24.23 °C	107.5 µS/cm	0.886 mg/L	0.080 NTU	126.0 mV	11.87 ft	100.0 ml/min
8/6/2025 1:46 PM	10:00	5.982 pH	25.03 °C	108.1 µS/cm	0.880 mg/L	0.040 NTU	125.6 mV	12.69 ft	100.0 ml/min
8/6/2025 1:51 PM	15:00	5.989 pH	25.01 °C	107.8 µS/cm	0.767 mg/L	0.270 NTU	164.2 mV	13.45 ft	100.0 ml/min
8/6/2025 1:56 PM	20:00	5.986 pH	24.71 °C	109.8 µS/cm	0.818 mg/L	0.160 NTU	163.7 mV	13.87 ft	100.0 ml/min
8/6/2025 2:01 PM	25:00	6.000 pH	26.24 °C	108.9 µS/cm	0.839 mg/L	0.450 NTU	161.4 mV	14.12 ft	100.0 ml/min
8/6/2025 2:06 PM	30:00	6.006 pH	25.90 °C	111.4 µS/cm	0.915 mg/L	0.200 NTU	166.4 mV	14.49 ft	100.0 ml/min
8/6/2025 2:11 PM	35:00	6.001 pH	25.14 °C	112.6 µS/cm	0.851 mg/L	0.620 NTU	170.0 mV	14.80 ft	100.0 ml/min
8/6/2025 2:16 PM	40:00	6.008 pH	26.12 °C	115.5 µS/cm	0.836 mg/L	0.670 NTU	167.1 mV	15.21 ft	100.0 ml/min
8/6/2025 2:21 PM	45:00	5.980 pH	25.46 °C	109.8 µS/cm	0.773 mg/L	0.120 NTU	178.9 mV	15.53 ft	100.0 ml/min
8/6/2025 2:26 PM	50:00	6.003 pH	26.14 °C	113.0 µS/cm	0.731 mg/L	0.170 NTU	178.1 mV	15.98 ft	100.0 ml/min
8/6/2025 2:31 PM	55:00	6.004 pH	26.71 °C	110.9 µS/cm	0.697 mg/L	0.120 NTU	182.0 mV	16.29 ft	100.0 ml/min
8/6/2025 2:36 PM	01:00:00	5.990 pH	25.05 °C	110.7 µS/cm	0.717 mg/L	0.140 NTU	191.7 mV	16.65 ft	100.0 ml/min

8/6/2025 2:41 PM	01:05:00	6.000 pH	24.10 °C	112.1 µS/cm	0.648 mg/L	0.090 NTU	196.4 mV	16.94 ft	100.0 ml/min
8/6/2025 2:46 PM	01:10:00	6.011 pH	24.72 °C	113.7 µS/cm	0.654 mg/L	0.150 NTU	195.9 mV	17.37 ft	100.0 ml/min
8/6/2025 2:51 PM	01:15:00	6.012 pH	25.69 °C	110.8 µS/cm	0.666 mg/L	0.230 NTU	196.1 mV	17.69 ft	100.0 ml/min
8/6/2025 2:56 PM	01:20:00	6.009 pH	25.98 °C	113.6 µS/cm	0.680 mg/L	0.010 NTU	195.8 mV	17.96 ft	100.0 ml/min
8/6/2025 3:01 PM	01:25:00	6.006 pH	26.61 °C	112.7 µS/cm	0.675 mg/L	0.280 NTU	196.6 mV	18.22 ft	100.0 ml/min
8/6/2025 3:06 PM	01:30:00	6.011 pH	26.56 °C	112.1 µS/cm	0.642 mg/L	0.390 NTU	200.1 mV	18.50 ft	100.0 ml/min
8/6/2025 3:11 PM	01:35:00	6.007 pH	27.06 °C	113.0 µS/cm	0.657 mg/L	0.240 NTU	205.1 mV	18.74 ft	100.0 ml/min
8/6/2025 3:16 PM	01:40:00	6.003 pH	27.26 °C	111.9 µS/cm	0.725 mg/L	0.430 NTU	158.5 mV	18.93 ft	100.0 ml/min
8/6/2025 3:21 PM	01:45:00	5.999 pH	27.48 °C	112.6 µS/cm	0.714 mg/L	0.330 NTU	209.8 mV	19.32 ft	100.0 ml/min
8/6/2025 3:26 PM	01:50:00	6.011 pH	27.62 °C	115.1 µS/cm	0.662 mg/L	0.190 NTU	214.3 mV	19.41 ft	100.0 ml/min
8/6/2025 3:31 PM	01:55:00	6.013 pH	28.54 °C	114.9 µS/cm	0.645 mg/L	0.110 NTU	166.4 mV	19.49 ft	100.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-113	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 10:34:07 AM

Project: GP-Plant Hammond

Operator Name: J. Newsome

Location Name: HGWC-101 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.94 ft Total Depth: 37.94 ft Initial Depth to Water: 12.75 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 20.15 ft Estimated Total Volume Pumped: 6 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 5.25 ft	Instrument Used: Aqua TROLL 400 Serial Number: 965586
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Test Notes:

Six bottles: Full App. III & IV.

Weather Conditions:

Sunny, 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	+/- 0.3	
8/7/2025 10:34 AM	00:00	5.41 pH	20.24 °C	286.55 µS/cm	0.34 mg/L	4.98 NTU	121.6 mV	15.90 ft	200.00 ml/min
8/7/2025 10:39 AM	05:00	5.34 pH	20.03 °C	294.67 µS/cm	0.27 mg/L	2.08 NTU	127.1 mV	16.75 ft	200.00 ml/min
8/7/2025 10:44 AM	10:00	5.33 pH	20.19 °C	312.49 µS/cm	0.28 mg/L	3.91 NTU	121.6 mV	17.30 ft	200.00 ml/min
8/7/2025 10:49 AM	15:00	5.35 pH	20.52 °C	336.43 µS/cm	0.38 mg/L	2.79 NTU	114.9 mV	17.45 ft	200.00 ml/min
8/7/2025 10:54 AM	20:00	5.39 pH	20.52 °C	345.73 µS/cm	0.34 mg/L	2.14 NTU	110.5 mV	17.81 ft	200.00 ml/min
8/7/2025 10:59 AM	25:00	5.40 pH	20.49 °C	346.60 µS/cm	0.36 mg/L	2.51 NTU	109.9 mV	18.00 ft	200.00 ml/min
8/7/2025 11:04 AM	30:00	5.39 pH	20.39 °C	350.73 µS/cm	0.29 mg/L	2.09 NTU	109.4 mV	18.00 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-101	Grab.
HAM-AP4-FD-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 9:15:09 AM

Project: GP-Plant Hammond

Operator Name: J. Newsome

Location Name: HGWC-102 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.43 ft Total Depth: 37.43 ft Initial Depth to Water: 12.92 ft	Pump Type: Peristaltic Tubing Type: Poly Pump Intake From TOC: 20.15 ft Estimated Total Volume Pumped: 6 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: -0.41 ft	Instrument Used: Aqua TROLL 400 Serial Number: 965586
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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	
8/7/2025 9:15 AM	00:00	6.04 pH	20.12 °C	1,097.2 µS/cm	0.36 mg/L	4.34 NTU	84.4 mV	13.10 ft	200.00 ml/min
8/7/2025 9:20 AM	05:00	5.87 pH	19.59 °C	1,096.7 µS/cm	0.14 mg/L	5.17 NTU	88.2 mV	13.40 ft	200.00 ml/min
8/7/2025 9:25 AM	10:00	5.84 pH	19.51 °C	1,097.8 µS/cm	0.07 mg/L	3.89 NTU	90.4 mV	13.51 ft	200.00 ml/min
8/7/2025 9:30 AM	15:00	5.84 pH	19.49 °C	1,111.4 µS/cm	0.06 mg/L	2.65 NTU	91.7 mV	13.51 ft	200.00 ml/min
8/7/2025 9:35 AM	20:00	5.84 pH	19.51 °C	1,120.6 µS/cm	0.05 mg/L	1.94 NTU	93.9 mV	13.51 ft	200.00 ml/min
8/7/2025 9:40 AM	25:00	5.84 pH	19.51 °C	1,121.0 µS/cm	0.04 mg/L	2.21 NTU	95.6 mV	13.51 ft	200.00 ml/min
8/7/2025 9:45 AM	30:00	5.84 pH	19.63 °C	1,120.1 µS/cm	0.04 mg/L	1.75 NTU	96.4 mV	13.51 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-102	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 9:22:25 AM

Project: GP-Plant Hammond

Operator Name: Z. Webb

Location Name: HGWC-103 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.68 ft Total Depth: 37.68 ft Initial Depth to Water: 12.22 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 31.11 ft Estimated Total Volume Pumped: 7 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 989630
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Test Notes:

Six bottles: Full App. III & IV.

Weather Conditions:

Clear, 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	
8/7/2025 9:22 AM	00:00	5.879 pH	19.61 °C	1,365 µS/cm	0.122 mg/L	3.420 NTU	90.7 mV	12.22 ft	200.0 ml/min
8/7/2025 9:27 AM	05:00	5.868 pH	19.49 °C	1,359 µS/cm	0.101 mg/L	2.040 NTU	119.8 mV	12.37 ft	200.0 ml/min
8/7/2025 9:32 AM	10:00	5.871 pH	19.42 °C	1,360 µS/cm	0.097 mg/L	2.070 NTU	103.7 mV	12.39 ft	200.0 ml/min
8/7/2025 9:37 AM	15:00	5.869 pH	19.54 °C	1,360 µS/cm	0.096 mg/L	1.830 NTU	107.2 mV	12.39 ft	200.0 ml/min
8/7/2025 9:42 AM	20:00	5.873 pH	19.54 °C	1,359 µS/cm	0.089 mg/L	1.900 NTU	111.5 mV	12.40 ft	200.0 ml/min
8/7/2025 9:47 AM	25:00	5.877 pH	19.57 °C	1,357 µS/cm	0.089 mg/L	2.500 NTU	112.3 mV	12.40 ft	200.0 ml/min
8/7/2025 9:52 AM	30:00	5.870 pH	19.65 °C	1,355 µS/cm	0.090 mg/L	1.770 NTU	112.9 mV	12.40 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-103	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 10:59:42 AM

Project: GP-Plant Hammond

Operator Name: Z. Webb

Location Name: HGWC-105 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 34.67 ft Total Depth: 44.67 ft Initial Depth to Water: 17.67 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 39.67 ft Estimated Total Volume Pumped: 7 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.27 ft	Instrument Used: Aqua TROLL 400 Serial Number: 989630
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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	+/- 0.3	
8/7/2025 10:59 AM	00:00	6.378 pH	20.28 °C	1,025 µS/cm	0.388 mg/L	9.380 NTU	26.7 mV	17.67 ft	200.0 ml/min
8/7/2025 11:04 AM	05:00	6.376 pH	19.64 °C	1,012 µS/cm	0.441 mg/L	8.080 NTU	30.8 mV	17.94 ft	200.0 ml/min
8/7/2025 11:09 AM	10:00	6.366 pH	19.55 °C	1,008 µS/cm	0.383 mg/L	4.400 NTU	29.8 mV	17.94 ft	200.0 ml/min
8/7/2025 11:14 AM	15:00	6.359 pH	19.66 °C	1,003 µS/cm	0.266 mg/L	3.160 NTU	28.7 mV	17.94 ft	200.0 ml/min
8/7/2025 11:19 AM	20:00	6.359 pH	19.73 °C	995.4 µS/cm	0.268 mg/L	2.810 NTU	28.0 mV	17.94 ft	200.0 ml/min
8/7/2025 11:24 AM	25:00	6.355 pH	19.90 °C	990.9 µS/cm	0.277 mg/L	1.930 NTU	27.5 mV	17.94 ft	200.0 ml/min
8/7/2025 11:29 AM	30:00	6.351 pH	19.81 °C	984.5 µS/cm	0.269 mg/L	1.740 NTU	27.2 mV	17.94 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-105	Grab.
HAM-AP4-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 1:16:35 PM

Project: GP-Plant Hammond

Operator Name: Z. Webb

<p>Location Name: HGWC-107 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 28.2 ft Total Depth: 38.2 ft Initial Depth to Water: 14.8 ft</p>	<p>Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 33.2 ft Estimated Total Volume Pumped: 8 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 989630</p>
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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	+/- 0.3	
8/7/2025 1:16 PM	00:00	6.109 pH	22.79 °C	424.0 µS/cm	0.945 mg/L	4.100 NTU	96.3 mV	14.80 ft	200.0 ml/min
8/7/2025 1:21 PM	05:00	6.101 pH	21.99 °C	428.8 µS/cm	0.585 mg/L	3.420 NTU	122.8 mV	14.80 ft	200.0 ml/min
8/7/2025 1:26 PM	09:26	6.101 pH	22.02 °C	425.0 µS/cm	0.350 mg/L	3.250 NTU	113.3 mV	14.80 ft	200.0 ml/min
8/7/2025 1:31 PM	14:26	6.102 pH	22.76 °C	425.7 µS/cm	0.245 mg/L	3.710 NTU	169.2 mV	14.80 ft	200.0 ml/min
8/7/2025 1:36 PM	19:26	6.104 pH	21.99 °C	425.6 µS/cm	0.215 mg/L	2.180 NTU	144.5 mV	14.80 ft	200.0 ml/min
8/7/2025 1:41 PM	24:26	6.110 pH	21.55 °C	426.0 µS/cm	0.188 mg/L	1.880 NTU	151.8 mV	14.80 ft	200.0 ml/min
8/7/2025 1:46 PM	29:26	6.109 pH	21.54 °C	425.4 µS/cm	0.173 mg/L	1.760 NTU	155.2 mV	14.80 ft	200.0 ml/min
8/7/2025 1:51 PM	34:26	6.104 pH	21.78 °C	424.5 µS/cm	0.163 mg/L	1.220 NTU	159.5 mV	14.80 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-107	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 2:58:35 PM

Project: GP-Plant Hammond

Operator Name: Z. Webb

<p>Location Name: HGWC-109 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 21.36 ft Total Depth: 31.36 ft Initial Depth to Water: 7.54 ft</p>	<p>Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 26.36 ft Estimated Total Volume Pumped: 9 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.11 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 989630</p>
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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	+/- 0.3	
8/7/2025 2:58 PM	00:00	6.761 pH	20.37 °C	352.6 µS/cm	0.110 mg/L	17.20 NTU	-30.0 mV	7.540 ft	200.0 ml/min
8/7/2025 3:03 PM	05:00	6.769 pH	20.84 °C	358.3 µS/cm	0.098 mg/L	16.60 NTU	-51.7 mV	7.650 ft	200.0 ml/min
8/7/2025 3:08 PM	10:00	6.784 pH	21.28 °C	351.8 µS/cm	0.084 mg/L	19.20 NTU	-38.0 mV	7.650 ft	200.0 ml/min
8/7/2025 3:13 PM	15:00	6.793 pH	21.15 °C	352.1 µS/cm	0.084 mg/L	17.30 NTU	-39.9 mV	7.650 ft	200.0 ml/min
8/7/2025 3:18 PM	20:00	6.798 pH	21.73 °C	351.5 µS/cm	0.083 mg/L	9.100 NTU	-44.0 mV	7.650 ft	200.0 ml/min
8/7/2025 3:23 PM	25:00	6.787 pH	21.70 °C	351.6 µS/cm	0.085 mg/L	7.410 NTU	-45.0 mV	7.650 ft	200.0 ml/min
8/7/2025 3:28 PM	30:00	6.790 pH	22.12 °C	351.7 µS/cm	0.090 mg/L	6.860 NTU	-47.2 mV	7.650 ft	200.0 ml/min
8/7/2025 3:33 PM	35:00	6.795 pH	22.09 °C	352.5 µS/cm	0.091 mg/L	5.770 NTU	-47.6 mV	7.650 ft	200.0 ml/min
8/7/2025 3:38 PM	40:00	6.789 pH	21.84 °C	350.8 µS/cm	0.091 mg/L	4.350 NTU	-47.7 mV	7.650 ft	200.0 ml/min
8/7/2025 3:39 PM	40:43	6.788 pH	21.98 °C	349.8 µS/cm	0.090 mg/L	4.350 NTU	-51.2 mV	7.650 ft	200.0 ml/min

Samples

Sample ID:	Description:
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HAM-HGWC-109

Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 12:00:19 PM

Project: GP-Plant Hammond

Operator Name: J. Newsome

Location Name: HGWC-117A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.31 ft Total Depth: 40.31 ft Initial Depth to Water: 16.72 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 35.31 ft Estimated Total Volume Pumped: 17 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 965586
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Test Notes:

Six bottles: Full App. III & IV.

Weather Conditions:

Sunny, 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	+/- 0.3	
8/7/2025 12:00 PM	00:00	5.47 pH	38.97 °C	0.08 µS/cm	6.35 mg/L	0.91 NTU	111.0 mV	16.72 ft	200.00 ml/min
8/7/2025 12:05 PM	05:00	5.48 pH	20.72 °C	243.14 µS/cm	2.69 mg/L	0.85 NTU	113.2 mV	16.72 ft	200.00 ml/min
8/7/2025 12:10 PM	10:00	5.59 pH	20.52 °C	259.08 µS/cm	2.53 mg/L	0.81 NTU	115.8 mV	16.72 ft	200.00 ml/min
8/7/2025 12:15 PM	15:00	5.86 pH	20.57 °C	263.50 µS/cm	2.51 mg/L	0.43 NTU	107.9 mV	16.72 ft	200.00 ml/min
8/7/2025 12:20 PM	20:00	6.13 pH	20.40 °C	365.86 µS/cm	2.35 mg/L	0.61 NTU	99.9 mV	16.72 ft	200.00 ml/min
8/7/2025 12:25 PM	25:00	6.18 pH	20.81 °C	382.35 µS/cm	2.40 mg/L	0.51 NTU	96.7 mV	16.72 ft	200.00 ml/min
8/7/2025 12:30 PM	30:00	6.31 pH	21.05 °C	384.17 µS/cm	2.36 mg/L	0.55 NTU	94.5 mV	16.72 ft	200.00 ml/min
8/7/2025 12:35 PM	35:00	6.40 pH	21.01 °C	362.63 µS/cm	2.37 mg/L	0.48 NTU	93.9 mV	16.72 ft	200.00 ml/min
8/7/2025 12:40 PM	40:00	6.45 pH	20.79 °C	385.26 µS/cm	2.19 mg/L	0.81 NTU	93.3 mV	16.72 ft	200.00 ml/min
8/7/2025 12:45 PM	45:00	6.50 pH	20.63 °C	402.04 µS/cm	2.20 mg/L	0.67 NTU	93.4 mV	16.72 ft	200.00 ml/min
8/7/2025 12:50 PM	50:00	6.54 pH	20.61 °C	418.63 µS/cm	2.47 mg/L	0.74 NTU	93.0 mV	16.72 ft	200.00 ml/min
8/7/2025 12:55 PM	55:00	6.56 pH	20.39 °C	431.50 µS/cm	2.47 mg/L	0.42 NTU	92.5 mV	16.72 ft	200.00 ml/min
8/7/2025 1:00 PM	01:00:00	6.58 pH	20.39 °C	426.92 µS/cm	2.03 mg/L	0.81 NTU	93.2 mV	16.72 ft	200.00 ml/min

8/7/2025 1:05 PM	01:05:00	6.63 pH	21.20 °C	417.18 µS/cm	3.35 mg/L	0.72 NTU	90.3 mV	16.72 ft	200.00 ml/min
8/7/2025 1:10 PM	01:10:00	6.67 pH	21.00 °C	394.88 µS/cm	3.57 mg/L	0.44 NTU	89.4 mV	16.72 ft	200.00 ml/min
8/7/2025 1:15 PM	01:15:00	6.66 pH	20.98 °C	430.87 µS/cm	1.18 mg/L	0.47 NTU	92.8 mV	16.72 ft	200.00 ml/min
8/7/2025 1:20 PM	01:20:00	6.63 pH	21.28 °C	425.70 µS/cm	1.06 mg/L	0.52 NTU	94.0 mV	16.72 ft	200.00 ml/min
8/7/2025 1:25 PM	01:25:00	6.63 pH	21.28 °C	431.84 µS/cm	1.06 mg/L	0.35 NTU	94.9 mV	16.72 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-117A.	Grab.

Low-Flow Test Report:

Test Date / Time: 8/7/2025 2:41:29 PM

Project: GP-Plant Hammond

Operator Name: J. Newsome

Location Name: HGWC-118 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.91 ft Total Depth: 40.91 ft Initial Depth to Water: 13.15 ft	Pump Type: Peristaltic Tubing Type: Poly Pump Intake From TOC: 35.91 ft Estimated Total Volume Pumped: 6 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 965586
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Test Notes:

Six bottles: Full App. III & IV.

Weather Conditions:

Sunny, 85 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	
8/7/2025 2:41 PM	00:00	6.88 pH	22.79 °C	492.61 µS/cm	0.52 mg/L	0.10 NTU	98.4 mV	13.25 ft	200.00 ml/min
8/7/2025 2:46 PM	05:00	6.95 pH	21.65 °C	428.04 µS/cm	0.84 mg/L	0.09 NTU	101.7 mV	13.25 ft	200.00 ml/min
8/7/2025 2:51 PM	10:00	6.97 pH	21.36 °C	497.94 µS/cm	0.85 mg/L	0.08 NTU	102.6 mV	13.25 ft	200.00 ml/min
8/7/2025 2:56 PM	15:00	6.97 pH	21.60 °C	506.47 µS/cm	0.86 mg/L	0.15 NTU	103.6 mV	13.25 ft	200.00 ml/min
8/7/2025 3:01 PM	20:00	6.98 pH	21.42 °C	499.62 µS/cm	0.89 mg/L	0.12 NTU	105.1 mV	13.25 ft	200.00 ml/min
8/7/2025 3:06 PM	25:00	6.98 pH	21.23 °C	505.27 µS/cm	0.87 mg/L	0.14 NTU	105.7 mV	13.25 ft	200.00 ml/min
8/7/2025 3:11 PM	30:00	6.98 pH	21.32 °C	508.47 µS/cm	0.90 mg/L	0.13 NTU	106.4 mV	13.25 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-118	Grab.

CALIBRATION REPORTS

Site Name: Plant + Hammond

Field Instrumentation Calibration Form

Date: 8/5/2023

Calibrated By: f. Kessler

Field Conditions: cloudy 69°

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>inst.</u>	<u>543593</u>
Turbidity Meter	<u>hanna</u>	<u>112-112</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	<u>24014218</u>	<u>1/26</u>	<u>inst.</u>
pH (SU)	4.00	<u>↓</u>	<u>↓</u>	
pH (SU)	7.00	<u>24014266</u>	<u>1/26</u>	<u>inst.</u>
pH (SU)	10.00	<u>24011537</u>	<u>1/26</u>	<u>inst.</u>
D.O. (%)	N/A	<u>—</u>	<u>—</u>	<u>—</u>
ORP (mV)	228.0	<u>22490167</u>	<u>1/26</u>	<u>inst.</u>

Calibration					
Time Start <u>0730</u>		Time Finish <u>0750</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4490</u>	<u>21.91</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>21.94</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>22.00</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>22.00</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100</u>	<u>21.91</u>	± 10%	NA
ORP (mV)	228.0	<u>228</u>	<u>21.98</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0.00</u>		
	<u>1</u>	<u>0.98</u>		
	<u>10</u>	<u>10.0</u>		
			± 10% of standard	EPA 2023

Calibration Check					
Time Start <u>1247</u>		Time Finish <u>1252</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4450</u>	<u>22.36</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.05</u>	<u>22.36</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.02</u>	<u>22.22</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.04</u>	<u>22.13</u>	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1.00</u>		
	<u>10</u>	<u>10.2</u>		
			± 10% of standard	EPA 2023

Notes:

[Handwritten signature and date]
8-5-23

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8-5-25

Calibrated By: Z. Webb

Field Conditions: Cloudy, 70°F

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>AquaTroll 400</u>	<u>987630</u>
Turbidity Meter	<u>LaMotte 2020E</u>	<u>4104-2623</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	<u>24014218</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	4.00	<u>24014218</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	7.00	<u>24014266</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	10.00	<u>24011537</u>	<u>01/2026</u>	<u>AIR</u>
D.O. (%)	N/A	<u>-</u>	<u>-</u>	<u>-</u>
ORP (mV)	228.0	<u>22490162</u>	<u>01/2026</u>	<u>AIR</u>

Calibration					
Time Start <u>0730</u>		Time Finish <u>0756</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	<u>4490</u>	<u>22.55</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>22.68</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>22.77</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>22.78</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100%</u>	<u>22.98</u>	± 10%	NA
ORP (mV)	228.0	<u>228.0</u>	<u>22.80</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		
			± 10% of standard	EPA 2023

Calibration Check					
Time Start <u>1250</u>		Time Finish <u>1305</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	<u>4490</u>	<u>24.17</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>24.15</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>24.06</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>23.87</u>	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		
			± 10% of standard	EPA 2023

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	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>Aquatrion</u>	<u>965586</u>
Turbidity Meter	<u>LaMotte</u>	<u>1511-4111</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	<u>24014218</u>	<u>1/2026</u>	<u>AVR</u>
pH (SU)	4.00	"	"	"
pH (SU)	7.00	<u>24014266</u>	"	"
pH (SU)	10.00	<u>24011537</u>	"	"
D.O. (%)	N/A	"	"	"
ORP (mV)	228.0	<u>22400162</u>	<u>1/2026</u>	<u>AVR</u>

Calibration					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4892</u>	<u>21.86</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.01</u>	<u>21.86</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>21.21</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>21.64</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>101.90</u>	<u>21.30</u>	± 10%	NA
ORP (mV)	228.0	<u>228.0</u>	<u>21.77</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>9.98</u>		

± 10% of standard
EPA 2023

Calibration Check					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4490</u>	<u>21.71</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.07</u>	<u>21.71</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.01</u>	<u>20.97</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>22.02</u>	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		

± 10% of standard
EPA 2023

Notes:

(Handwritten signature and date)
JN
8-5-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/6/2025

Calibrated By: F. Kessler

Field Conditions: Cloudy, 70°

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>Instr. by. ductech400</u>	<u>543593</u>
Turbidity Meter	<u>Conette</u>	<u>4130-2623</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	<u>24014218</u>	<u>01/2026</u>	<u>instr. by</u>
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	<u>24014260</u>	<u>01/2026</u>	
pH (SU)	10.00	<u>24011537</u>	<u>01/2026</u>	
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	<u>22490102</u>	<u>01/2026</u>	<u>instr. by</u>

Calibration					
Time Start <u>0739</u>		Time Finish <u>0752</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	<u>4.490</u>	<u>22.63</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>22.67</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>22.71</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>22.91</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100.00</u>	<u>22.80</u>	± 10%	NA
ORP (mV)	228.0	<u>228.0</u>	<u>22.91</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10.05</u>		
		± 10% of standard	EPA 2023	

Calibration Check					
Time Start <u>1233</u>		Time Finish <u>1240</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	<u>4.300</u>	<u>24.11</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.02</u>	<u>24.11</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.02</u>	<u>24.29</u>	± 0.1	GWMP
pH (SU)	10.00	<u>9.97</u>	<u>24.32</u>	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>0.94</u>		
	<u>10</u>	<u>10.11</u>		
		± 10% of standard	EPA 2023	

Notes:

[A large blue diagonal line is drawn across the bottom half of the page, with a signature and the date "8-6-25" written in blue ink above it.]

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8-6-25

Calibrated By: Z. Webb

Field Conditions: Cloudy, 70°F

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>Aqua'roll 400</u>	<u>989630</u>
Turbidity Meter	<u>La Motte 200X</u>	<u>4104-2623</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	<u>24014218</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	4.00	<u>24014218</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	7.00	<u>24014266</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	10.00	<u>24011537</u>	<u>01/2026</u>	<u>AIR</u>
D.O. (%)	N/A			
ORP (mV)	228.0	<u>22490162</u>	<u>01/2026</u>	<u>AIR</u>

Calibration					
Time Start <u>0727</u>		Time Finish <u>0746</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4490</u>	<u>23.35</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>23.42</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>23.69</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>23.83</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100%</u>	<u>23.61</u>	± 10%	NA
ORP (mV)	228.0	<u>228.0</u>	<u>23.99</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		
			± 10% of standard	EPA 2023

Calibration Check					
Time Start <u>1257</u>		Time Finish <u>1312</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4490</u>	<u>30.42</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>30.14</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>28.64</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>28.05</u>	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		
			± 10% of standard	EPA 2023

Notes:

ZW
8-6-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/6/25

Calibrated By: J. Newsome

Field Conditions: overcast 72F

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>AquaTroll</u>	<u>965586</u>
Turbidity Meter	<u>LaMotte</u>	

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	<u>24014218</u>	<u>1/26</u>	<u>R/VZ</u>
pH (SU)	4.00	<u>1</u>	<u>"</u>	<u>"</u>
pH (SU)	7.00	<u>24014266</u>	<u>1/26</u>	<u>"</u>
pH (SU)	10.00	<u>24011537</u>	<u>1/26</u>	<u>"</u>
D.O. (%)	N/A			
ORP (mV)	228.0	<u>22490162</u>	<u>1/26</u>	<u>A-1R</u>

Calibration					
Time Start	<u>720</u>	Time Finish	<u>745</u>		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4452.45</u>	<u>21.07</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>21.22</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>21.75</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>22.39</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100%</u>	<u>22.08</u>	± 10%	NA
ORP (mV)	228.0	<u>228</u>	<u>22.71</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>	± 10% of standard	EPA 2023
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		

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

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

Notes:

M 8/6/25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/7/2025

Calibrated By: J. Kessler

Field Conditions: Cloudy, 72

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>Institute Analytical</u>	<u>843593</u>
Turbidity Meter	<u>Connette</u>	<u>4139-2623</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	<u>24017218</u>	<u>1/26</u>	
pH (SU)	4.00	<u>24014200</u>	<u>1/26</u>	<u>Institute</u>
pH (SU)	7.00	<u>2</u>	<u>1/26</u>	
pH (SU)	10.00	<u>24011557</u>	<u>1/26</u>	
D.O. (%)	N/A			
ORP (mV)	228.0	<u>2749062</u>	<u>1/26</u>	<u>Institute</u>

Calibration					
Time Start <u>0725</u>		Time Finish <u>0750</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	<u>4.490</u>	<u>24.61</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.0</u>	<u>24.60</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.0</u>	<u>25.42</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10</u>	<u>25.78</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100</u>		± 10%	NA
ORP (mV)	228.0	<u>228</u>	<u>26.02</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>1.0</u>	<u>0</u>		
	<u>10</u>	<u>0.99</u>		
	<u>10</u>	<u>10.8</u>		
			± 10% of standard	EPA 2023

Calibration Check					
Time Start <u>1138</u>		Time Finish <u>1205 1145</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	<u>4.075</u>	<u>26.55</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.307</u>	<u>26.10</u>	± 0.1	GWMP
pH (SU)	7.00	<u>6.96</u>	<u>26.02</u>	± 0.1	GWMP
pH (SU)	10.00	<u>9.92</u>		± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1.0</u>		
	<u>10</u>	<u>9.95</u>		
			± 10% of standard	EPA 2023

Notes:

8-7-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8-7-25

Calibrated By: Z. Webb

Field Conditions: Clear, 70°F

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	<u>Aquatroll 400</u>	<u>989630</u>
Turbidity Meter	<u>Lakolle 2004</u>	<u>4104-2623</u>

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	<u>24014218</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	4.00	<u>24014218</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	7.00	<u>24014266</u>	<u>01/2026</u>	<u>AIR</u>
pH (SU)	10.00	<u>24011537</u>	<u>01/2026</u>	<u>AIR</u>
D.O. (%)	N/A			
ORP (mV)	228.0	<u>22490162</u>	<u>01/2026</u>	<u>AIR</u>

Calibration					
Time Start <u>0730</u>		Time Finish <u>0755</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4490</u>	<u>26.13</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>26.00</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>26.23</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>26.44</u>	± 0.1	GWMP
D.O. (%)	N/A	<u>100%</u>	<u>24.52</u>	± 10%	NA
ORP (mV)	228.0	<u>228.0</u>	<u>26.28</u>	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		

± 10% of standard
EPA 2023

Calibration Check					
Time Start <u>1239</u>		Time Finish <u>1254</u>			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	<u>4490</u>	<u>27.12</u>	± 10% of standard	EPA 2023
pH (SU)	4.00	<u>4.00</u>	<u>26.90</u>	± 0.1	GWMP
pH (SU)	7.00	<u>7.00</u>	<u>26.27</u>	± 0.1	GWMP
pH (SU)	10.00	<u>10.00</u>	<u>25.97</u>	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	<u>0</u>	<u>0</u>		
	<u>1</u>	<u>1</u>		
	<u>10</u>	<u>10</u>		

± 10% of standard
EPA 2023

Notes:

ZW 8-7-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/7/25

Calibrated By: J. Newsome

Field Conditions: cloudy, 70°F

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	Aquatrol	96558
Turbidity Meter	LaMotte	1411511

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/2024	A12
pH (SU)	4.00	24014218		
pH (SU)	7.00	24014218	1/2024	
pH (SU)	10.00	2401537	1/2024	
D.O. (%)	N/A			
ORP (mV)	228.0	2249062	1/2020	A12


Calibration					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.32	± 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	1		
	10	10		

Calibration Check					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	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	23.89	± 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		

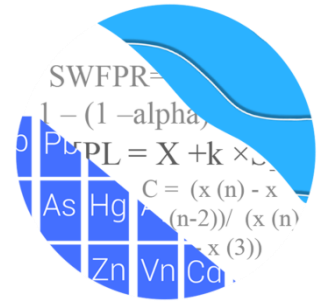
Notes:

 8/7/25

APPENDIX C

Statistical Analyses 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 4 (AP-4)
August 2025 Semi-Annual 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 summary of groundwater data for Georgia Power Company's Plant Hammond AP-4. 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 Hammond AP-4 in 2016, and at least 8 background samples have been collected at each of the groundwater monitoring wells analyzed in this report. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** HGWA-47, HGWA-48D, HGWA-111, HGWA-112, and HGWA-113
- **Downgradient wells:** HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-109, HGWC-117A, and HGWC-118

Note that downgradient well HGWC-102 was first sampled in October 2019, and piezometer HGWC-117A, which was reclassified as a downgradient well, was first sampled in February 2021. All downgradient wells are evaluated with prediction limits for Appendix

III constituents and with confidence intervals for Appendix IV constituents, which require a minimum of 8 samples.

Upgradient wells HGWA-47 and HGWA-48D were first sampled in September 2020, and data from these wells are included along with all upgradient wells in construction of interwell prediction limits and upper tolerance limits.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The Coal Combustion Residuals (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

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient well/constituent pairs with 100% non-detects follows this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. 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. In the case of selenium, varying reporting limits were recorded for the August 2025 event; therefore, the most recent reporting limit of 0.005 mg/L 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 initially 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 will be 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 careful 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. No records were adjusted at this time.

Summary of Background Screening Conducted in April 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.

Using the Tukey box plot method, a few outliers were identified. Often, when the most recent value is identified as an outlier, values are not flagged in the database at this time 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 exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, only one outlier was flagged as all other values are similar to remaining measurements within a given well or neighboring wells, or were reported non-detects.

Additionally, when any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The

accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Tests

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 were included with the screening and showed a few statistically significant decreasing and increasing trends for the Appendix III parameters. Because the noted trends were relatively low in magnitude when compared to average concentrations and the background period was short, no adjustments were made to the datasets.

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 using all historical upgradient well data through August 2025 (Figure D). Interwell prediction limits pool 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 a resample confirms the initial exceedance, a statistically significant increase is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the interwell prediction limits follows this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, and HGWC-118
- Calcium: HGWC-102, HGWC-103, HGWC-105, and HGWC-118
- Chloride: HGWC-102, HGWC-103, and HGWC-105
- pH (lower limit): HGWC-101
- Sulfate: HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, and HGWC-118
- TDS: HGWC-102, HGWC-103, and HGWC-105

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 wells 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 trends, it is an indication of variability in groundwater 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: HGWC-101, HGWC-103, and HGWC-107
- Calcium: HGWA-113 (upgradient), HGWC-103, and HGWC-105
- Chloride: HGWC-103 and HGWC-105
- Sulfate: HGWC-103
- TDS: HGWC-103 and HGWC-105

Decreasing trends:

- Chloride: HGWA-113 (upgradient)
- Sulfate: HGWA-48D, HGWA-113 (both upgradient), HGWC-107, and HGWC-118

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 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 Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional values were flagged and a summary of previously flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell upper tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2025 for 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. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

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

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well (Figure H). As mentioned above, well/constituent pairs with 100% non-detects did not require statistics, which includes all downgradient wells for molybdenum.

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. When the entire records were evaluated, 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-4 were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, and HGWC-118
- Calcium: HGWC-102, HGWC-103, HGWC-105, and HGWC-118
- Chloride: HGWC-102, HGWC-103, and HGWC-105

- pH (lower limit): HGWC-101
- Sulfate: HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, and HGWC-118
- TDS: HGWC-102, HGWC-103, and HGWC-105

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-4. 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

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Summary Tables

100% Non-Detects: Appendix IV Downgradient

Analysis Run 10/15/2025 2:37 PM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Antimony (mg/L)

HGWC-101, HGWC-105, HGWC-109, HGWC-117A, HGWC-118

Arsenic (mg/L)

HGWC-105, HGWC-107, HGWC-117A

Beryllium (mg/L)

HGWC-102, HGWC-105, HGWC-107, HGWC-109, HGWC-117A

Cadmium (mg/L)

HGWC-105, HGWC-109, HGWC-118

Chromium (mg/L)

HGWC-117A

Cobalt (mg/L)

HGWC-107

Lead (mg/L)

HGWC-117A

Molybdenum (mg/L)

HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-109, HGWC-117A, HGWC-118

Selenium (mg/L)

HGWC-101, HGWC-107, HGWC-109, HGWC-117A, HGWC-118

Thallium (mg/L)

HGWC-101, HGWC-103, HGWC-105, HGWC-107, HGWC-109, HGWC-117A, HGWC-118

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	HGWC-101	0.04	n/a	8/7/2025	0.19	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-102	0.04	n/a	8/7/2025	5	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-103	0.04	n/a	8/7/2025	8.3	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-105	0.04	n/a	8/7/2025	1.6	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-107	0.04	n/a	8/7/2025	0.9	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-117A	0.04	n/a	8/7/2025	0.36	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-118	0.04	n/a	8/7/2025	0.67	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-102	73.8	n/a	8/7/2025	158	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-103	73.8	n/a	8/7/2025	202	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-105	73.8	n/a	8/7/2025	149	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-118	73.8	n/a	8/7/2025	74.3	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-102	5.7	n/a	8/7/2025	9.9	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-103	5.7	n/a	8/7/2025	11	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-105	5.7	n/a	8/7/2025	9.4	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-101	7.93	5.43	8/7/2025	5.39	Yes	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-101	19.7	n/a	8/7/2025	83.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-102	19.7	n/a	8/7/2025	336	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-103	19.7	n/a	8/7/2025	443	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-105	19.7	n/a	8/7/2025	235	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-107	19.7	n/a	8/7/2025	95.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-117A	19.7	n/a	8/7/2025	75.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-118	19.7	n/a	8/7/2025	67.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-102	345	n/a	8/7/2025	920	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-103	345	n/a	8/7/2025	1180	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-105	345	n/a	8/7/2025	744	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	HGWC-101	0.04	n/a	8/7/2025	0.19	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-102	0.04	n/a	8/7/2025	5	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-103	0.04	n/a	8/7/2025	8.3	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-105	0.04	n/a	8/7/2025	1.6	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-107	0.04	n/a	8/7/2025	0.9	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-109	0.04	n/a	8/7/2025	0.2J	No	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-117A	0.04	n/a	8/7/2025	0.36	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-118	0.04	n/a	8/7/2025	0.67	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-101	73.8	n/a	8/7/2025	23.2	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-102	73.8	n/a	8/7/2025	158	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-103	73.8	n/a	8/7/2025	202	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-105	73.8	n/a	8/7/2025	149	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-107	73.8	n/a	8/7/2025	55.2	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-109	73.8	n/a	8/7/2025	45.2	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-117A	73.8	n/a	8/7/2025	59.3	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-118	73.8	n/a	8/7/2025	74.3	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-101	5.7	n/a	8/7/2025	5.4	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-102	5.7	n/a	8/7/2025	9.9	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-103	5.7	n/a	8/7/2025	11	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-105	5.7	n/a	8/7/2025	9.4	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-107	5.7	n/a	8/7/2025	3.1	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-109	5.7	n/a	8/7/2025	3.7	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-117A	5.7	n/a	8/7/2025	5	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-118	5.7	n/a	8/7/2025	4.1	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-101	0.23	n/a	8/7/2025	0.065J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-102	0.23	n/a	8/7/2025	0.067J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-103	0.23	n/a	8/7/2025	0.076J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-105	0.23	n/a	8/7/2025	0.065J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-107	0.23	n/a	8/7/2025	0.065J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-109	0.23	n/a	8/7/2025	0.13	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-117A	0.23	n/a	8/7/2025	0.098J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-118	0.23	n/a	8/7/2025	0.11	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-101	7.93	5.43	8/7/2025	5.39	Yes	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-102	7.93	5.43	8/7/2025	5.84	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-103	7.93	5.43	8/7/2025	5.87	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-105	7.93	5.43	8/7/2025	6.35	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-107	7.93	5.43	8/7/2025	6.1	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-109	7.93	5.43	8/7/2025	6.79	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-117A	7.93	5.43	8/7/2025	6.63	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-118	7.93	5.43	8/7/2025	6.98	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-101	19.7	n/a	8/7/2025	83.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-102	19.7	n/a	8/7/2025	336	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-103	19.7	n/a	8/7/2025	443	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-105	19.7	n/a	8/7/2025	235	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-107	19.7	n/a	8/7/2025	95.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-109	19.7	n/a	8/7/2025	19.6	No	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-117A	19.7	n/a	8/7/2025	75.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-118	19.7	n/a	8/7/2025	67.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-101	345	n/a	8/7/2025	223	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-102	345	n/a	8/7/2025	920	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-103	345	n/a	8/7/2025	1180	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-105	345	n/a	8/7/2025	744	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-107	345	n/a	8/7/2025	296	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-109	345	n/a	8/7/2025	206	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-117A	345	n/a	8/7/2025	286	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-118	345	n/a	8/7/2025	331	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWC-101	0.01177	154	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-103	0.2378	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-107	0.0169	99	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-113 (bg)	0.2047	135	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-103	8.401	175	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-105	8.669	215	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-113 (bg)	-0.03972	-108	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-103	0.4398	169	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-105	0.5259	180	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-48D (bg)	-0.4966	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-113 (bg)	-0.8658	-169	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-103	12.48	112	98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-107	-2.284	-127	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-118	-2.012	-132	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-103	31.97	129	98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-105	37.2	179	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 AP4 Printed 10/15/2025, 2:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-47 (bg)	0	23	48	No	14	57.14	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-48D (bg)	0.0002547	12	48	No	14	28.57	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-111 (bg)	0	26	92	No	22	36.36	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-112 (bg)	0	-5	-92	No	22	31.82	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-113 (bg)	0.000365	41	92	No	22	22.73	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-101	0.01177	154	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-102	0.02412	9	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-103	0.2378	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-105	0.02277	79	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-107	0.0169	99	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-117A	0	3	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-118	-0.001756	-10	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-47 (bg)	-0.44	-21	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-48D (bg)	-0.292	-10	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-111 (bg)	1.348	55	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-112 (bg)	0.05159	71	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-113 (bg)	0.2047	135	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-102	5.397	59	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-103	8.401	175	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-105	8.669	215	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-118	0.7426	71	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-47 (bg)	0	0	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-48D (bg)	0	9	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-111 (bg)	0	-2	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-112 (bg)	-0.02728	-53	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-113 (bg)	-0.03972	-108	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-102	0.2417	60	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-103	0.4398	169	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-105	0.5259	180	92	Yes	22	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-47 (bg)	0.003321	10	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-48D (bg)	0	6	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-111 (bg)	0.03678	63	105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-112 (bg)	-0.007721	-35	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-113 (bg)	0.01828	107	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWC-101	0.01332	96	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-47 (bg)	-0.04309	-10	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-48D (bg)	-0.4966	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-111 (bg)	-0.02788	-60	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-112 (bg)	0.02747	50	92	No	22	27.27	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-113 (bg)	-0.8658	-169	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-101	-0.9656	-57	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-102	-2.837	-14	-68	No	18	5.556	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-103	12.48	112	98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-105	8.168	88	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-107	-2.284	-127	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-117A	1.026	8	30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-118	-2.012	-132	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-47 (bg)	3.012	16	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-48D (bg)	1.1	12	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-111 (bg)	3.489	40	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-112 (bg)	0.313	7	87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-113 (bg)	-0.1534	-8	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-102	19.56	42	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-103	31.97	129	98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-105	37.2	179	98	Yes	23	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/16/2025, 11:06 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	83	95.18	n/a	0.01416	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	97	94.85	n/a	0.006905	NP Inter(NDs)
Barium (mg/L)	n/a	0.12	n/a	n/a	n/a	n/a	97	0	n/a	0.006905	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0019	n/a	n/a	n/a	n/a	97	92.78	n/a	0.006905	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	97	100	n/a	0.006905	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0061	n/a	n/a	n/a	n/a	97	43.3	n/a	0.006905	NP Inter(normality)
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	97	91.75	n/a	0.006905	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.282	n/a	n/a	n/a	n/a	97	0	No	0.05	Inter
Fluoride (mg/L)	n/a	0.23	n/a	n/a	n/a	n/a	100	18	n/a	0.005921	NP Inter(normality)
Lead (mg/L)	n/a	0.0016	n/a	n/a	n/a	n/a	97	77.32	n/a	0.006905	NP Inter(NDs)
Lithium (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a	97	35.05	n/a	0.006905	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	83	85.54	n/a	0.01416	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	83	84.34	n/a	0.01416	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	83	79.52	n/a	0.01416	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	83	100	n/a	0.01416	NP Inter(NDs)

PLANT HAMMOND AP-4 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		0.002	0.01
Barium, Total (mg/L)	2		0.12	2
Beryllium, Total (mg/L)	0.004		0.0019	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0061	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.28	5
Fluoride, Total (mg/L)	4		0.23	4
Lead, Total (mg/L)	n/a	0.015	0.0016	0.015
Lithium, Total (mg/L)	n/a	0.040	0.0063	0.040
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

**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 AP4 Printed 10/16/2025, 11:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-102	0.003	0.00076	0.006	No	17	0.000398	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-103	0.0022	0.002	0.006	No	19	0.00004588	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-107	0.002	0.0011	0.006	No	19	0.0002065	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-101	0.002	0.00039	0.01	No	23	0.0003357	95.65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-102	0.002	0.00092	0.01	No	18	0.0005822	72.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-103	0.002	0.0015	0.01	No	23	0.0001043	95.65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-109	0.002807	0.001602	0.01	No	23	0.001331	13.04	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	HGWC-118	0.002	0.001	0.01	No	23	0.0002085	95.65	None	No	0.01	NP (NDs)
Barium (mg/L)	HGWC-101	0.04351	0.03774	2	No	23	0.005515	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-102	0.03213	0.02776	2	No	18	0.003605	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-103	0.03943	0.03488	2	No	23	0.004347	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-105	0.08064	0.07051	2	No	23	0.009823	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	HGWC-107	0.03831	0.03547	2	No	23	0.002716	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-109	0.08554	0.07981	2	No	23	0.005473	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-117A	0.06119	0.04324	2	No	10	0.01098	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	HGWC-118	0.05809	0.0477	2	No	23	0.009926	0	None	No	0.01	Param.
Beryllium (mg/L)	HGWC-101	0.0004	0.000064	0.004	No	23	0.0001709	56.52	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-103	0.0004	0.000088	0.004	No	23	0.0001284	82.61	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-118	0.0004	0.000093	0.004	No	23	0.00006401	95.65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-101	0.0002003	0.0001444	0.005	No	23	0.00005343	13.04	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-102	0.0007357	0.0003645	0.005	No	18	0.0003481	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	HGWC-103	0.0007869	0.0006983	0.005	No	23	0.00008476	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-107	0.0005	0.00011	0.005	No	23	0.0001883	69.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-117A	0.0005	0.0005	0.005	No	10	0.0001075	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	HGWC-101	0.005	0.00098	0.1	No	23	0.001651	82.61	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-102	0.005	0.00063	0.1	No	18	0.001433	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-103	0.005	0.0015	0.1	No	23	0.001847	69.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-105	0.005	0.0013	0.1	No	23	0.001661	82.61	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-107	0.005	0.00074	0.1	No	23	0.0008883	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-109	0.005	0.0014	0.1	No	23	0.001156	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-118	0.005	0.0021	0.1	No	23	0.001604	78.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-101	0.002735	0.00223	0.006	No	23	0.0004821	4.348	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-102	0.001874	0.001111	0.006	No	18	0.0007821	5.556	None	ln(x)	0.01	Param.
Cobalt (mg/L)	HGWC-103	0.002325	0.001861	0.006	No	23	0.0005278	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	HGWC-105	0.005	0.00047	0.006	No	23	0.002047	30.43	None	No	0.01	NP (normality)
Cobalt (mg/L)	HGWC-109	0.001996	0.001251	0.006	No	23	0.0007115	8.696	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-117A	0.001208	0.0004503	0.006	No	10	0.001803	20	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	HGWC-118	0.005	0.00048	0.006	No	23	0.002273	56.52	Kaplan-Meier	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	HGWC-101	0.9023	0.4589	5	No	23	0.4239	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-102	1.085	0.6278	5	No	18	0.3778	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-103	0.8186	0.4677	5	No	23	0.3355	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-105	0.808	0.4954	5	No	23	0.2988	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-107	0.9401	0.4892	5	No	23	0.4311	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-109	0.7463	0.4615	5	No	23	0.2723	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-117A	0.8223	0.2625	5	No	10	0.3137	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-118	1.012	0.4887	5	No	22	0.4874	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-101	0.1	0.068	4	No	24	0.01958	79.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-102	0.22	0.076	4	No	18	0.03172	77.78	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-103	0.13	0.077	4	No	24	0.02079	70.83	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-105	0.1	0.07	4	No	24	0.0274	54.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-107	0.1	0.065	4	No	24	0.03213	54.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-109	0.1233	0.08754	4	No	24	0.03504	8.333	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-117A	0.09895	0.05392	4	No	10	0.02433	20	Kaplan-Meier	x^2	0.01	Param.
Fluoride (mg/L)	HGWC-118	0.14	0.072	4	No	25	0.1717	0	None	No	0.01	NP (normality)
Lead (mg/L)	HGWC-101	0.001	0.0009	0.015	No	23	0.00002085	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-102	0.001	0.00011	0.015	No	18	0.0002098	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-103	0.001	0.00043	0.015	No	23	0.0003431	73.91	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-105	0.001	0.000085	0.015	No	23	0.0003624	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-107	0.001	0.00034	0.015	No	23	0.000321	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-109	0.001	0.000058	0.015	No	23	0.000272	91.3	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-118	0.001	0.00088	0.015	No	23	0.0002987	78.26	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-101	0.002	0.000781	0.04	No	23	0.0002542	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-102	0.001257	0.001079	0.04	No	18	0.000147	11.11	None	No	0.01	Param.
Lithium (mg/L)	HGWC-103	0.001598	0.001338	0.04	No	23	0.0002632	21.74	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	HGWC-105	0.004432	0.003925	0.04	No	23	0.0005031	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	HGWC-107	0.002	0.00091	0.04	No	23	0.0005457	43.48	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-109	0.002	0.0009	0.04	No	23	0.0005379	47.83	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-117A	0.004676	0.003608	0.04	No	10	0.0005984	0	None	No	0.01	Param.

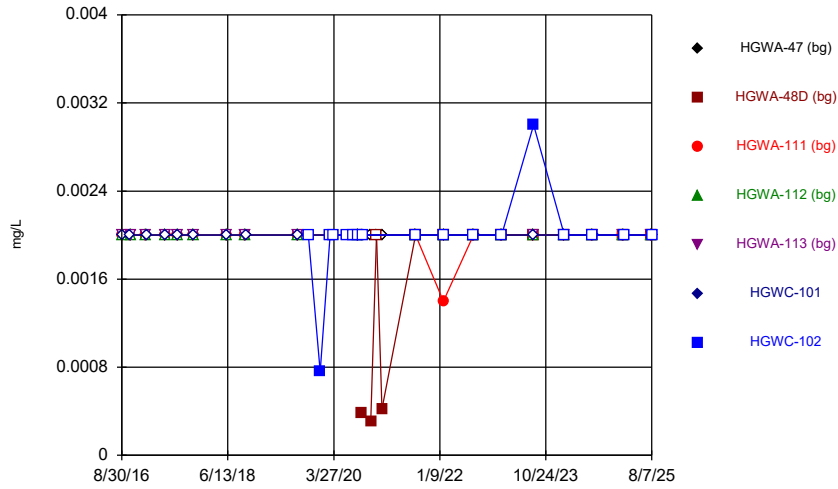
Appendix IV Confidence Intervals - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/16/2025, 11:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	HGWC-118	0.002025	0.001422	0.04	No	23	0.000451	30.43	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	HGWC-101	0.0002	0.000099	0.002	No	19	0.00003281	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-102	0.0002	0.0001	0.002	No	17	0.00002425	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-103	0.00025	0.00017	0.002	No	19	0.00005197	68.42	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-105	0.00022	0.0002	0.002	No	19	0.00004588	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-107	0.0002	0.000084	0.002	No	19	0.00002661	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-109	0.0002	0.00008	0.002	No	19	0.00003784	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-117A	0.0002	0.0002	0.002	No	10	0.00003352	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	HGWC-118	0.0002	0.00009	0.002	No	19	0.00003613	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-102	0.005	0.0015	0.05	No	17	0.0008489	94.12	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-103	0.005	0.0019	0.05	No	19	0.0007112	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-105	0.005	0.0049	0.05	No	19	0.0007561	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-102	0.0005	0.00008	0.002	No	17	0.0001019	94.12	None	No	0.01	NP (NDs)

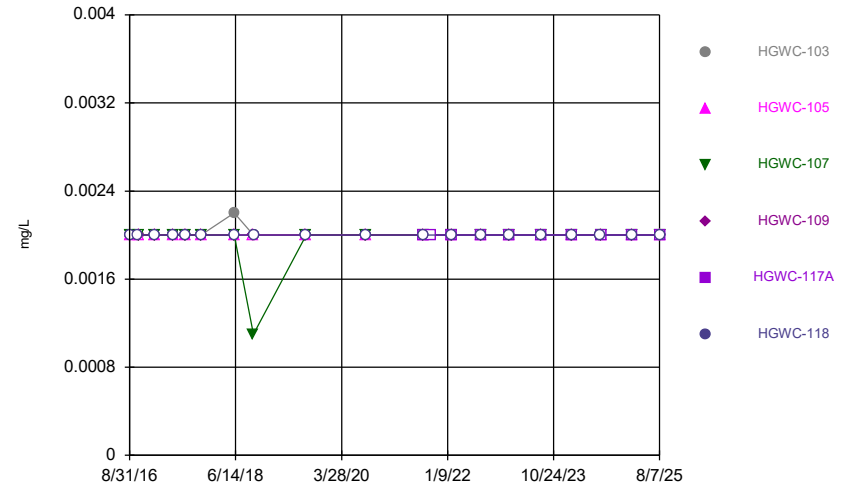
FIGURE A.

Time Series



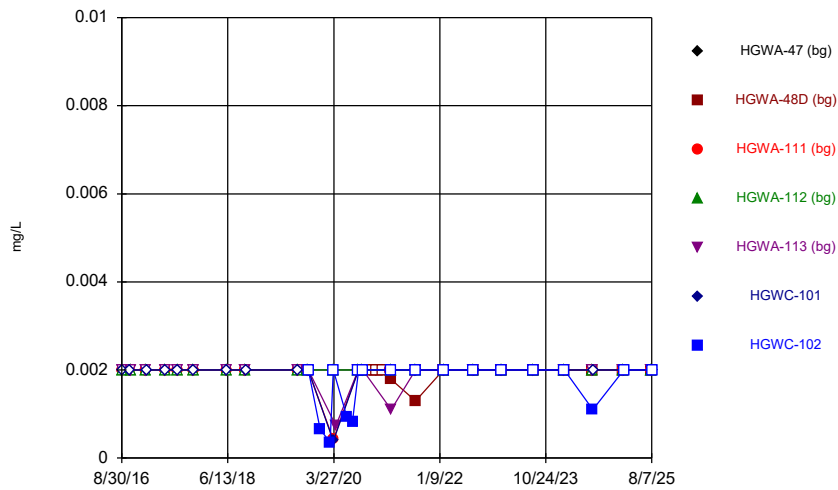
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Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



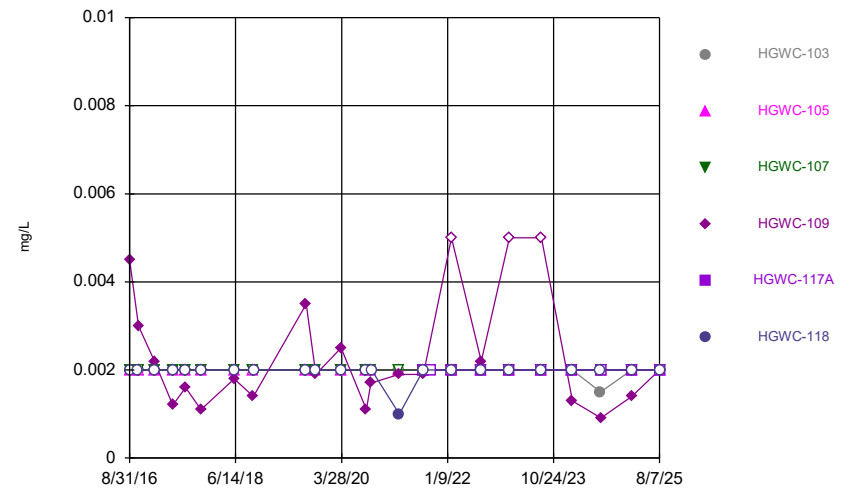
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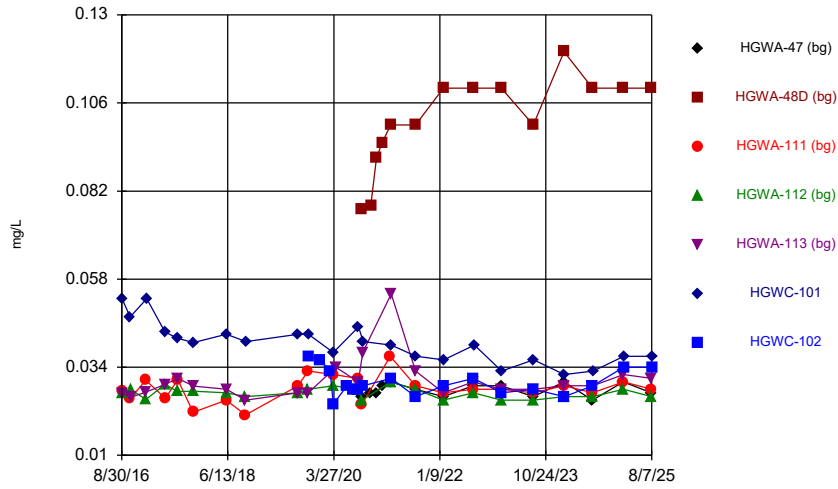
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Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



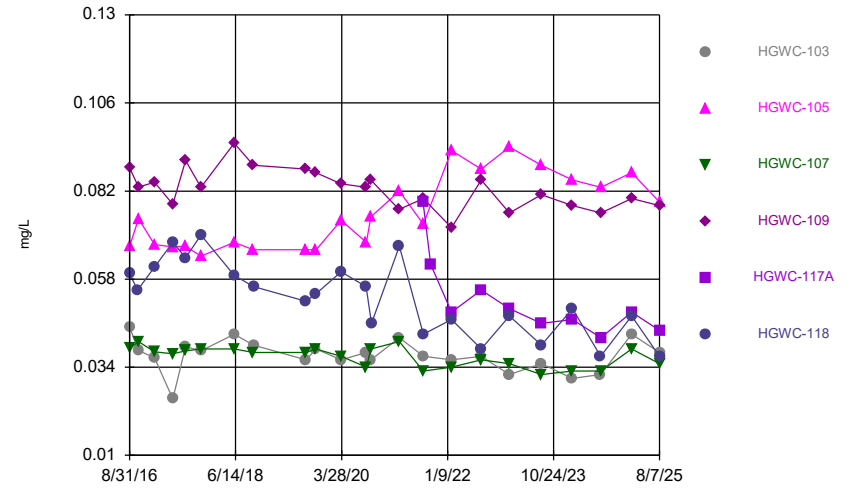
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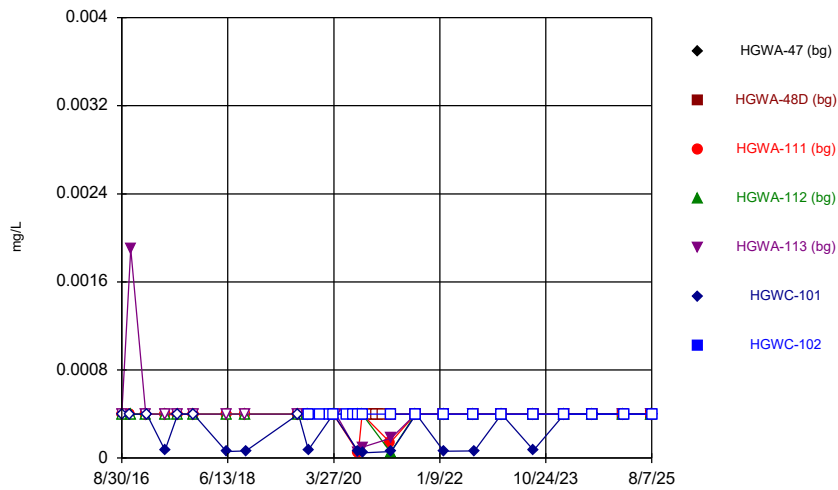
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



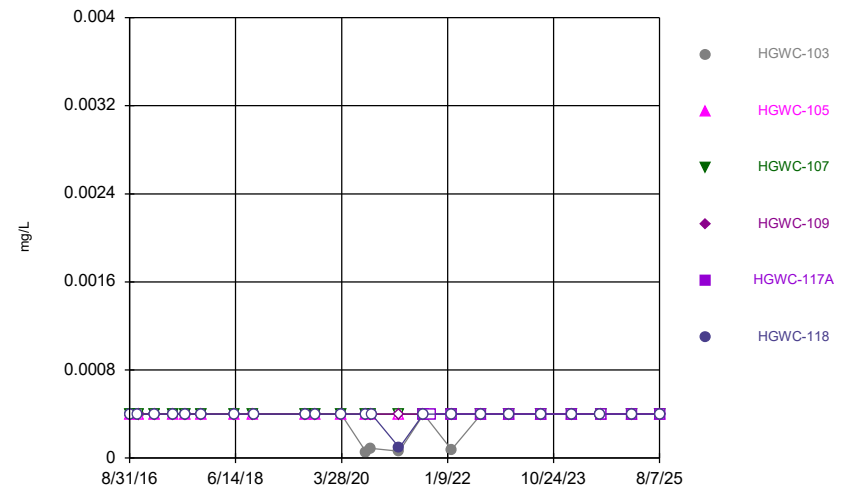
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



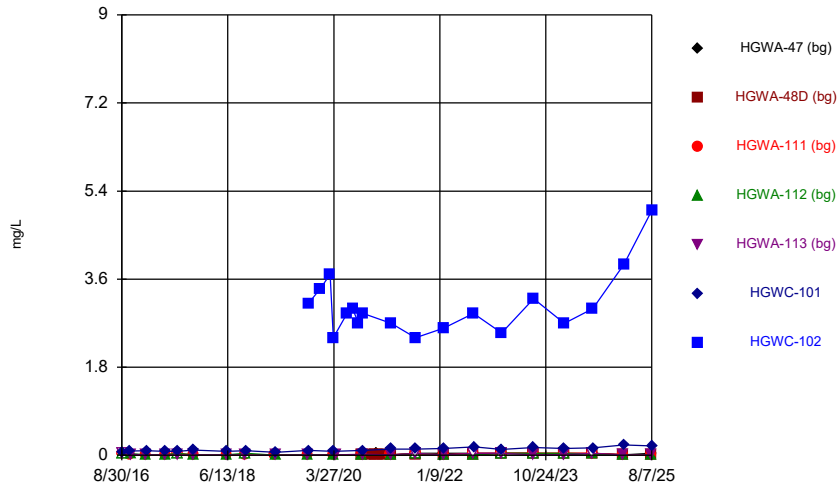
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



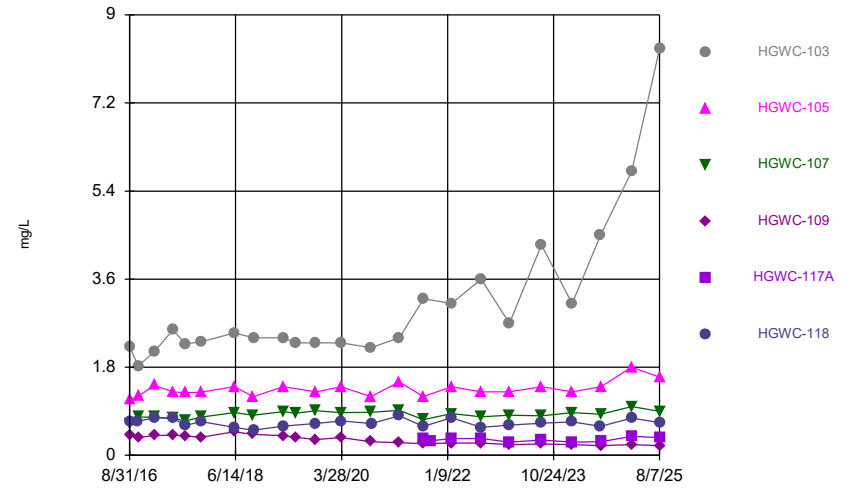
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



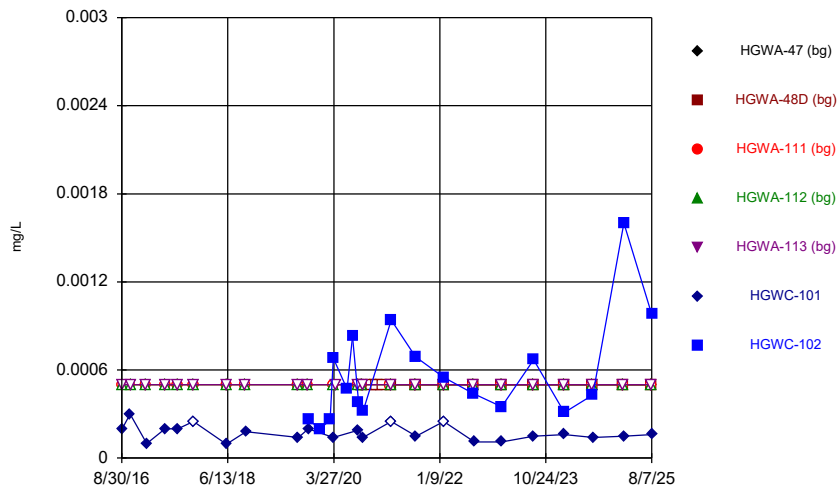
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Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



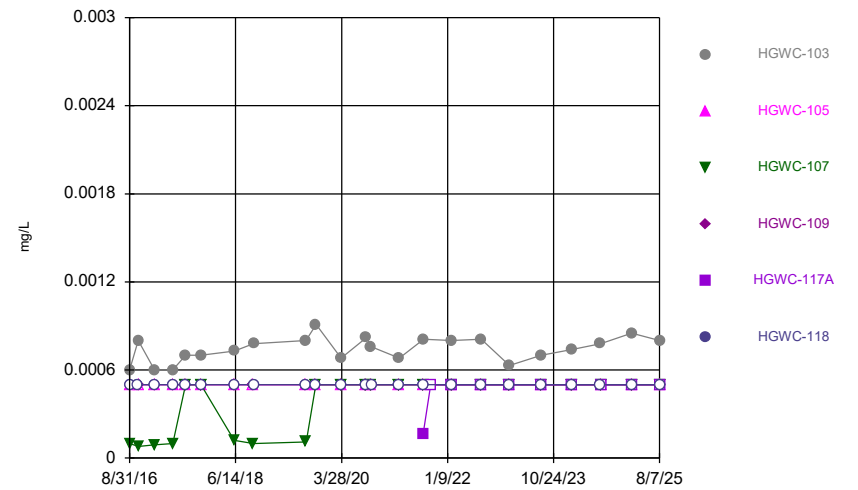
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Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



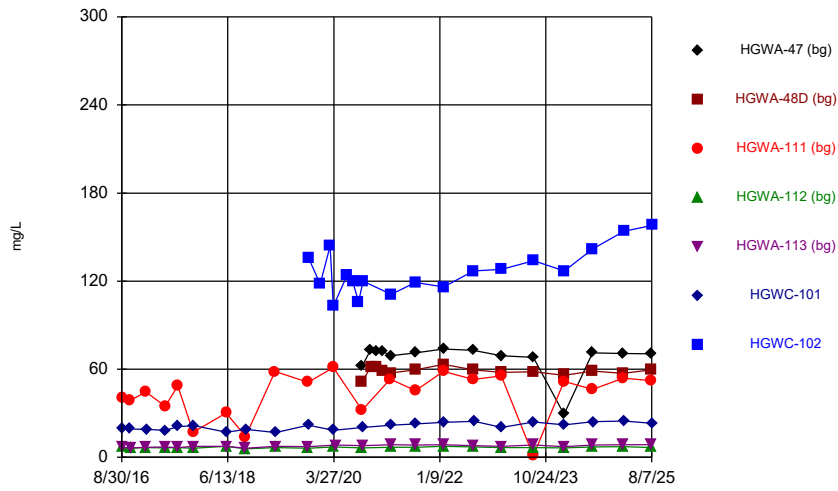
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Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



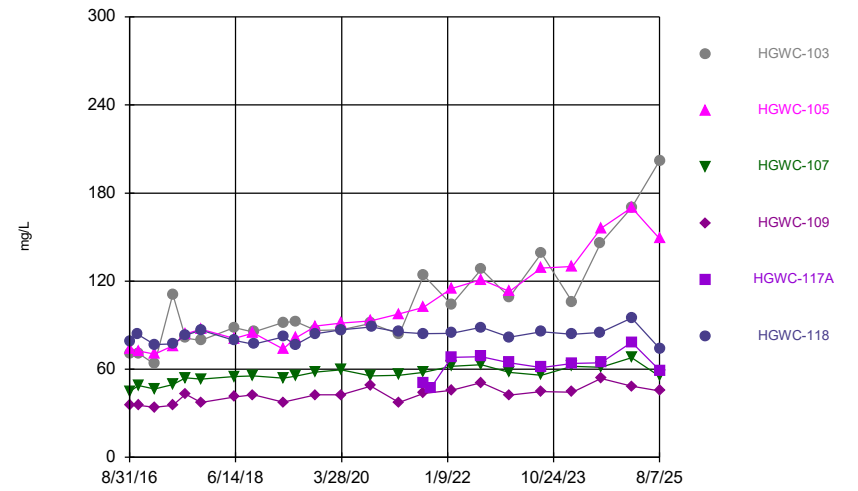
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Time Series



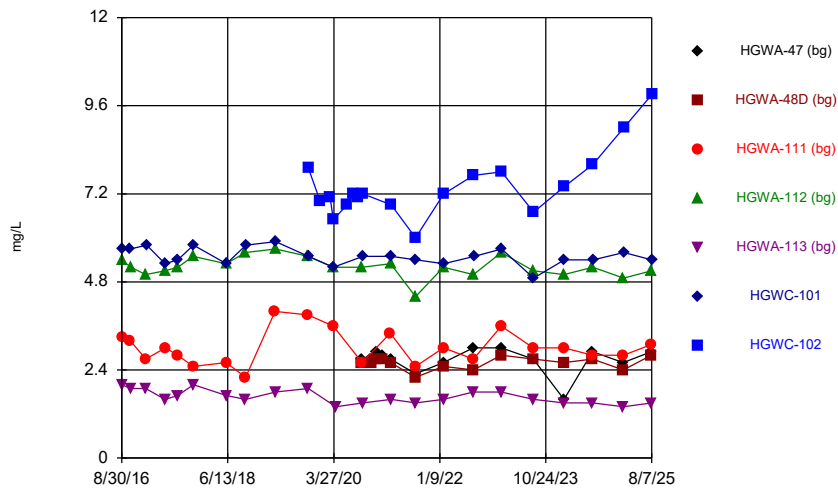
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



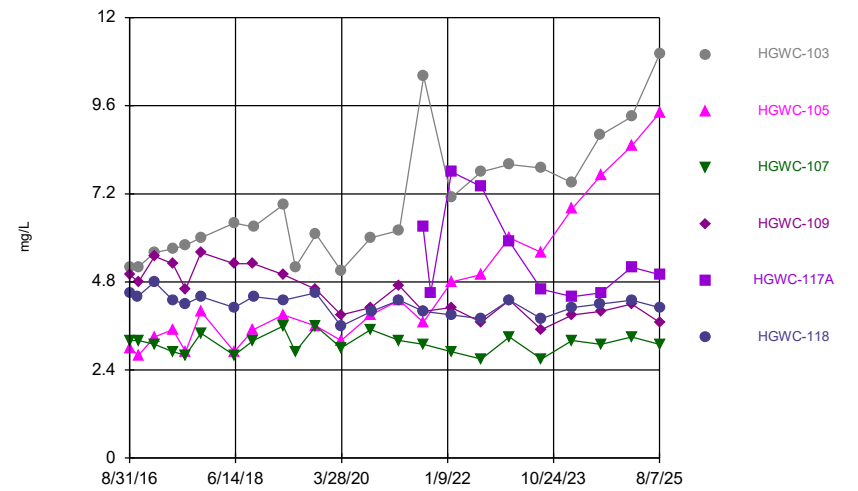
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



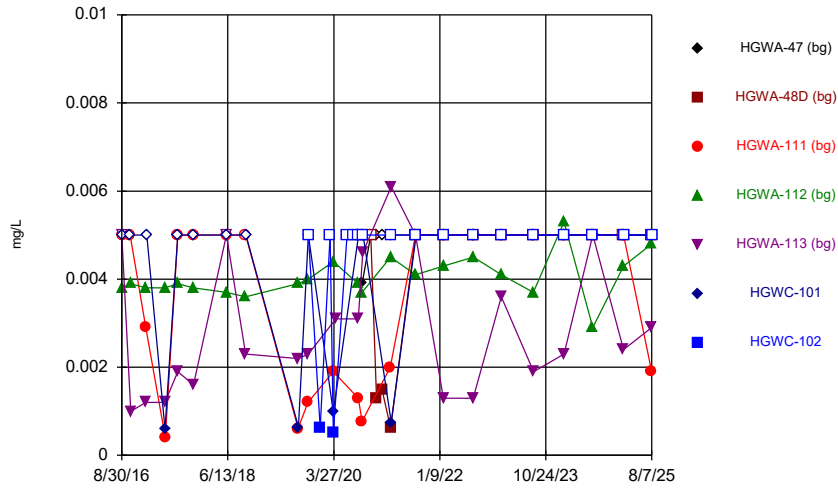
Constituent: Chloride Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



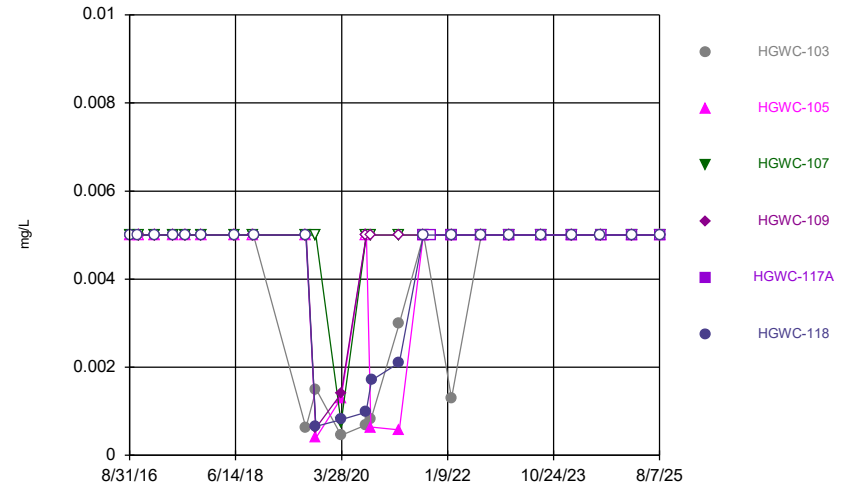
Constituent: Chloride Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



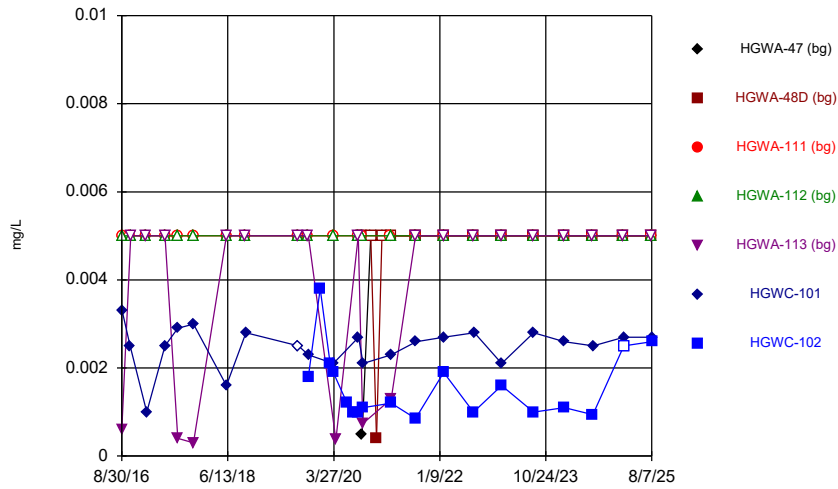
Constituent: Chromium Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



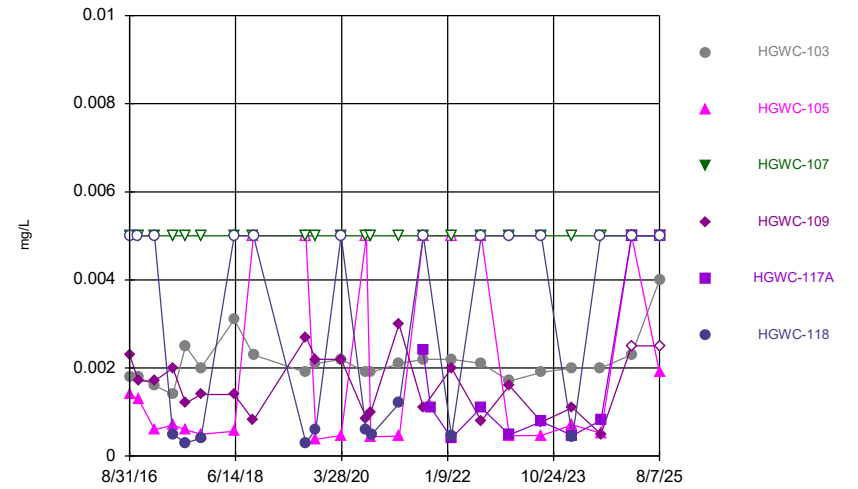
Constituent: Chromium Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



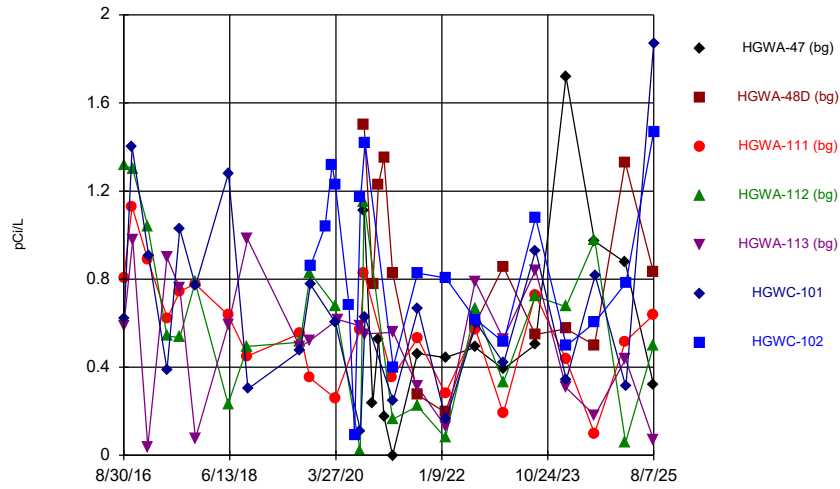
Constituent: Cobalt Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



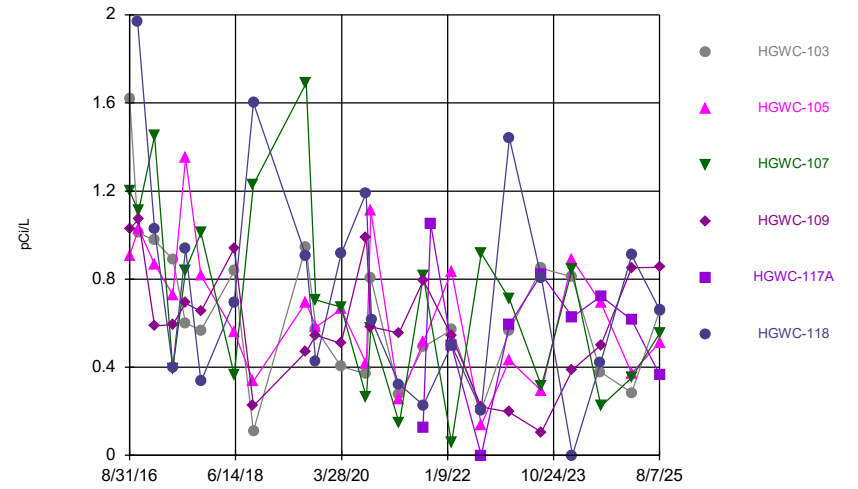
Constituent: Cobalt Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



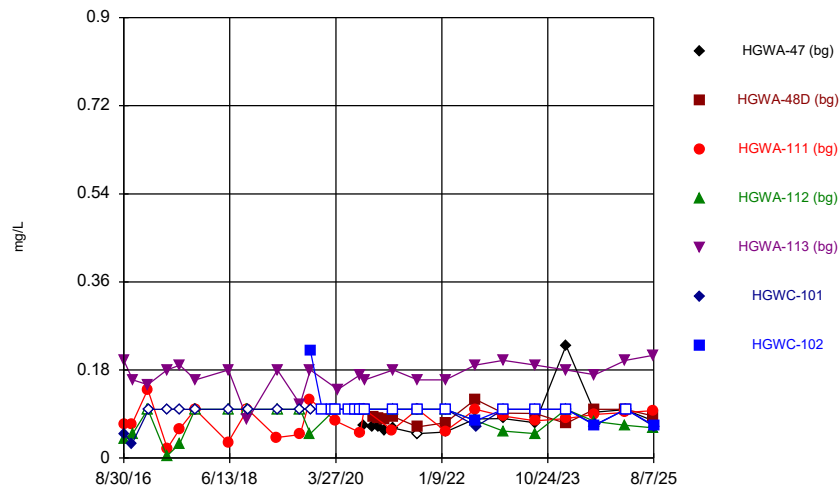
Constituent: Combined Radium 226 + 228 Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



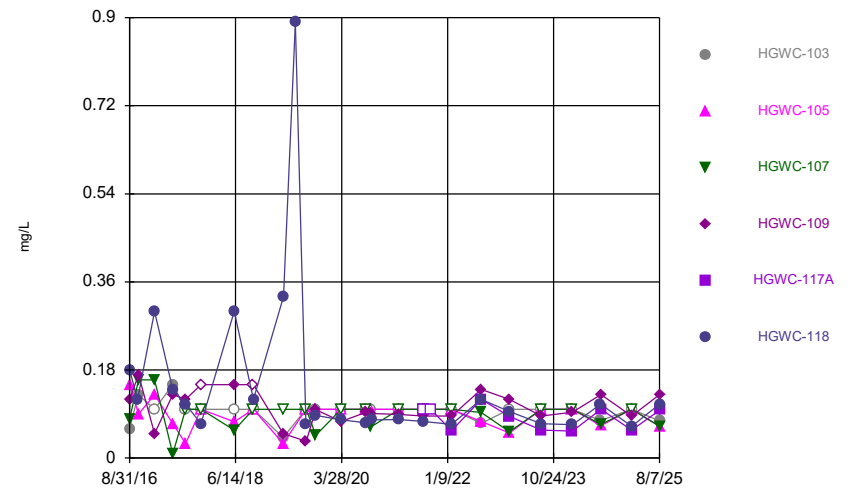
Constituent: Combined Radium 226 + 228 Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



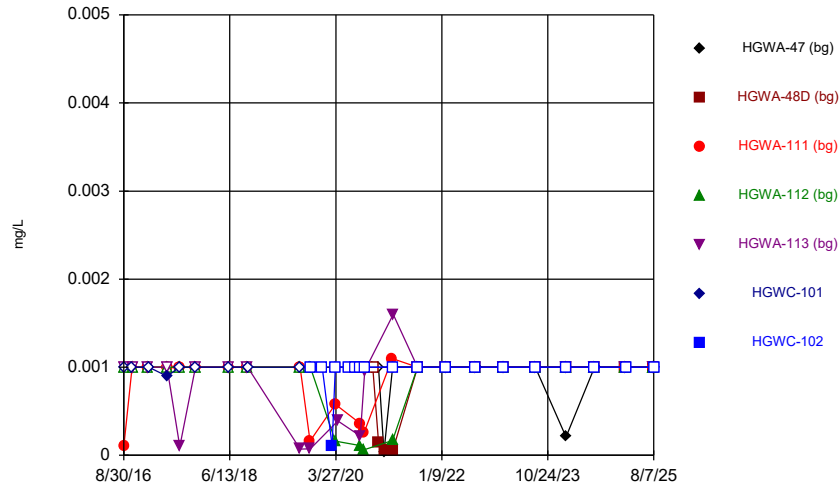
Constituent: Fluoride Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



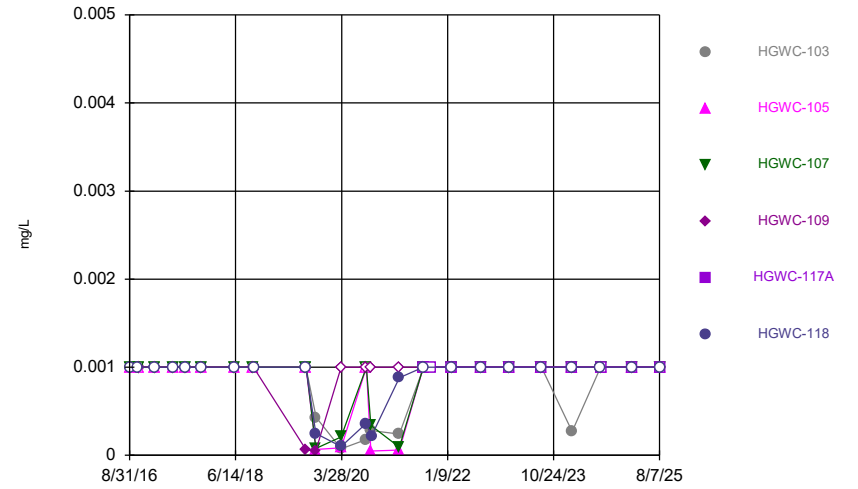
Constituent: Fluoride Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



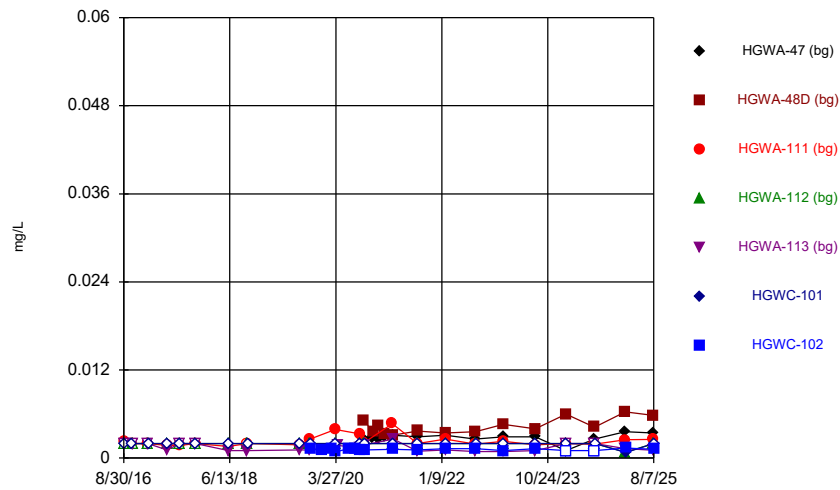
Constituent: Lead Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



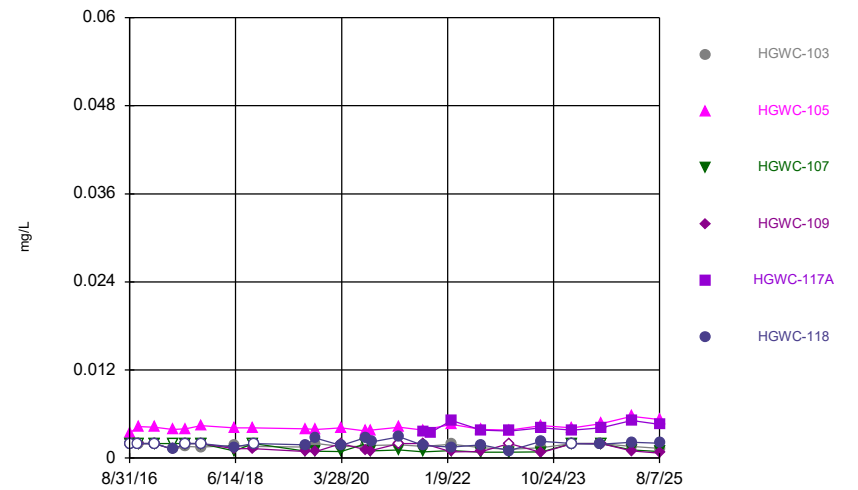
Constituent: Lead Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



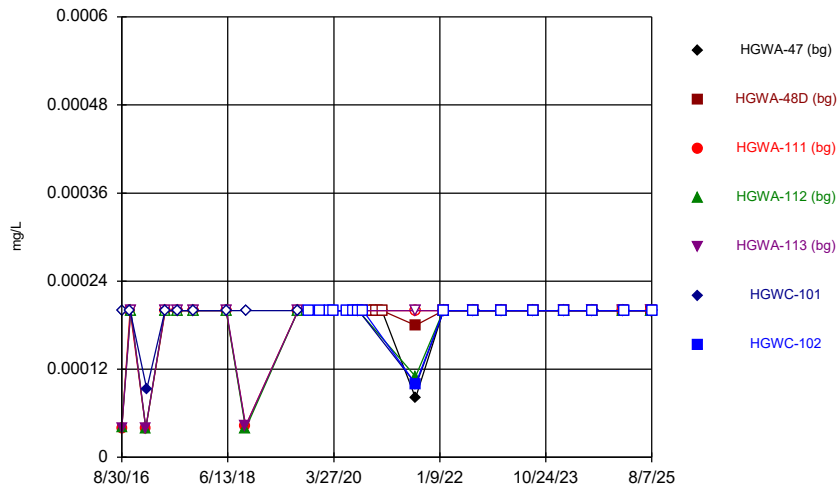
Constituent: Lithium Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



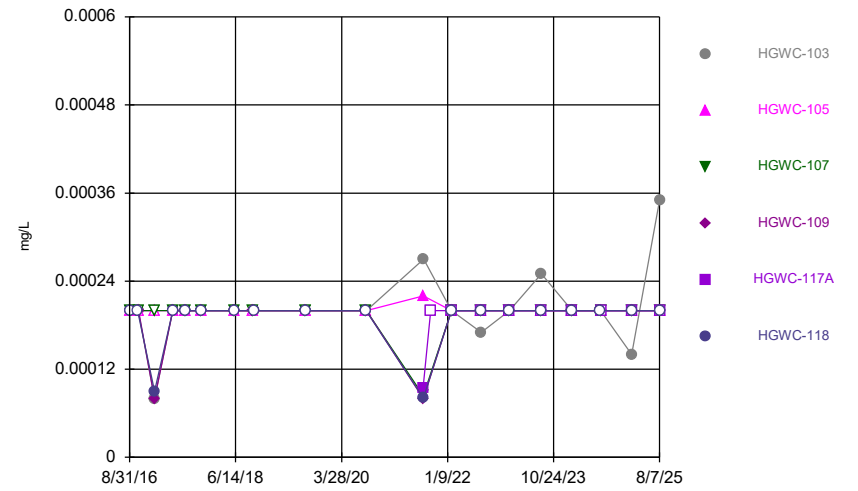
Constituent: Lithium Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



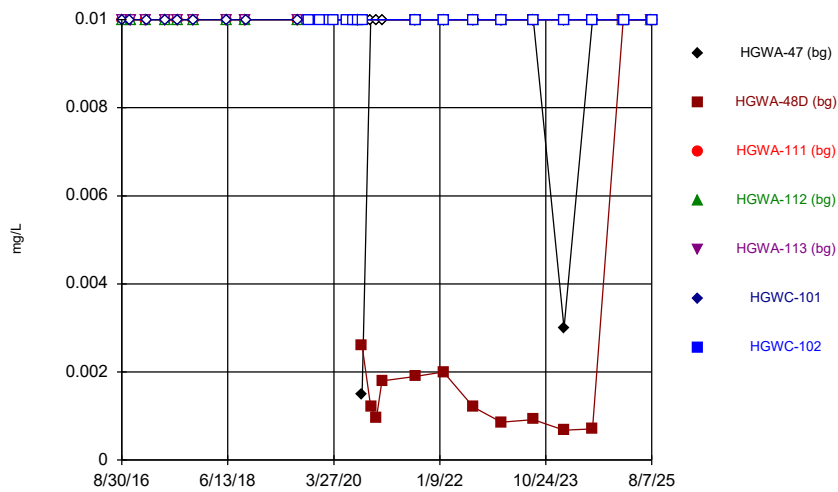
Constituent: Mercury Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



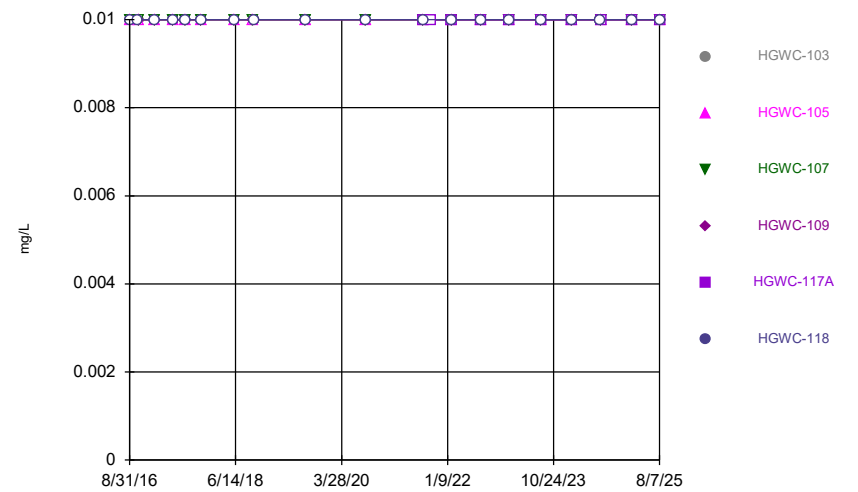
Constituent: Mercury Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



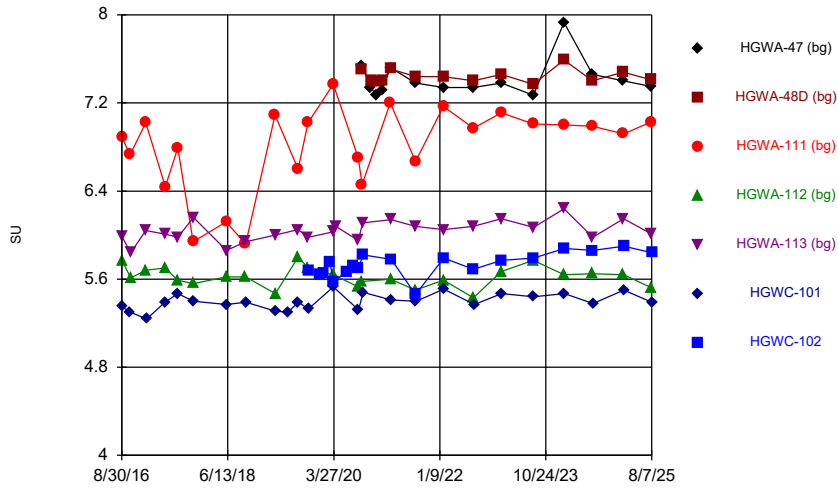
Constituent: Molybdenum Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



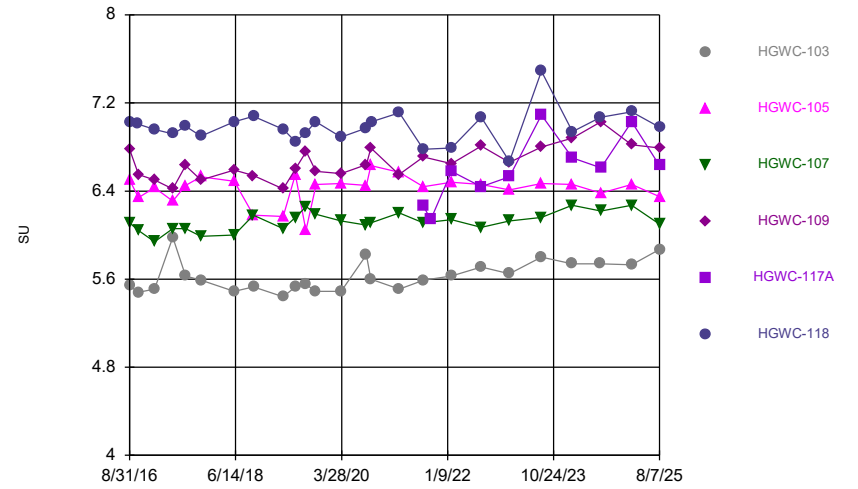
Constituent: Molybdenum Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



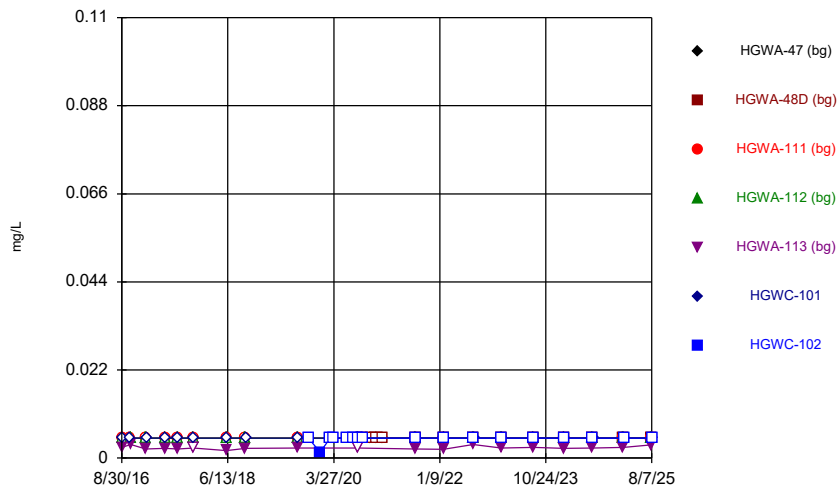
Constituent: pH, Field Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



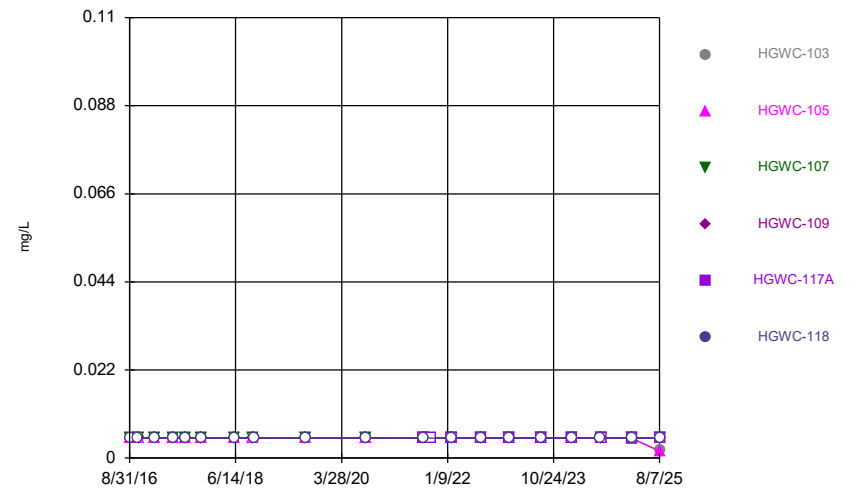
Constituent: pH, Field Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



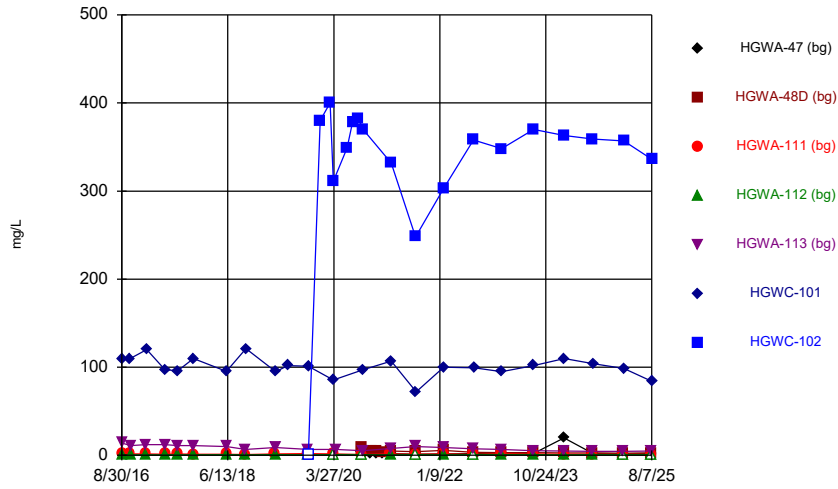
Constituent: Selenium Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



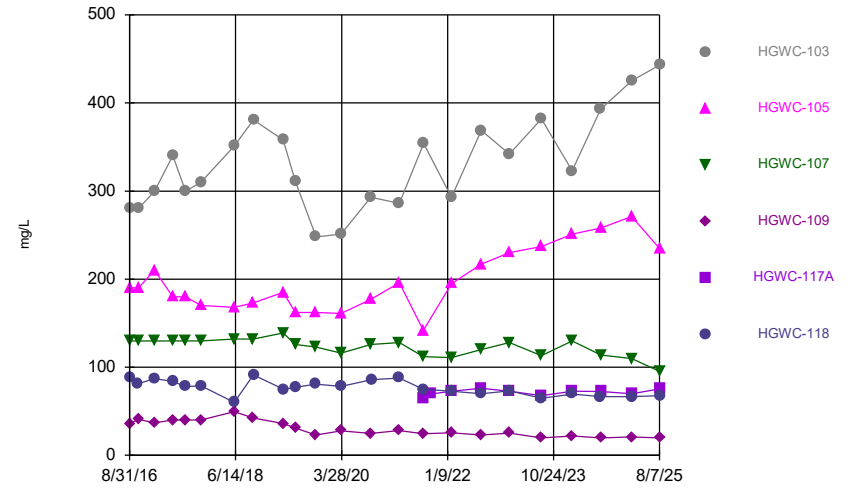
Constituent: Selenium Analysis Run 10/21/2025 5:56 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



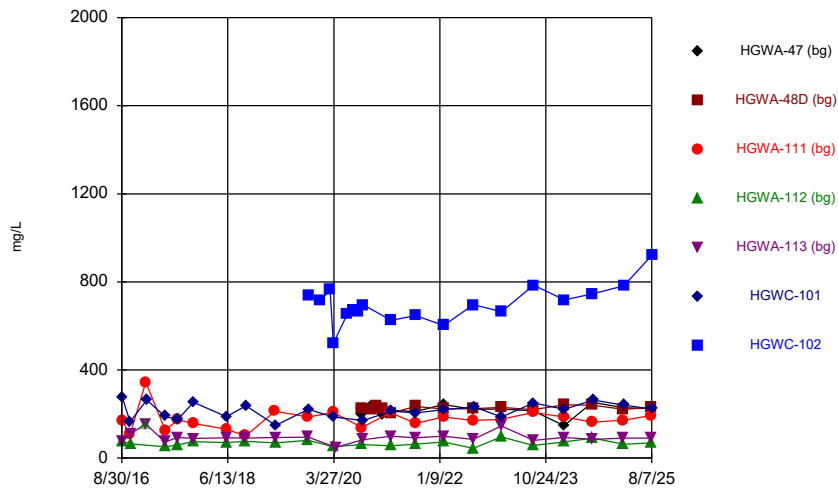
Constituent: Sulfate Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



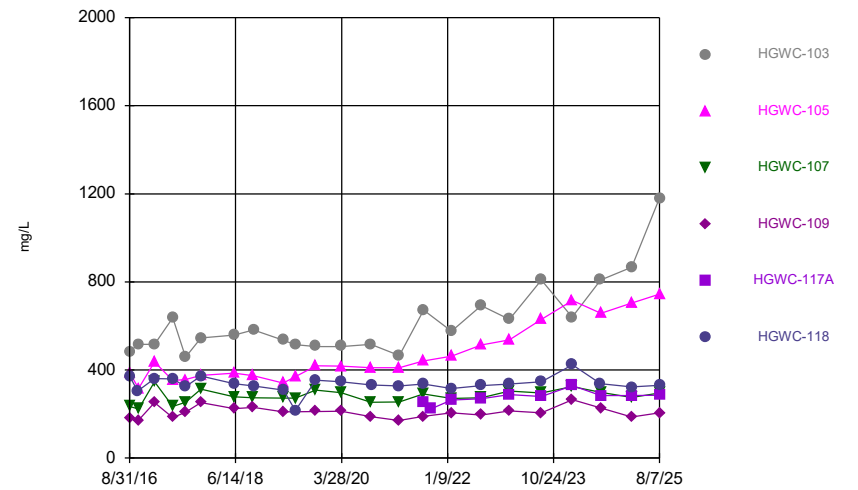
Constituent: Sulfate Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



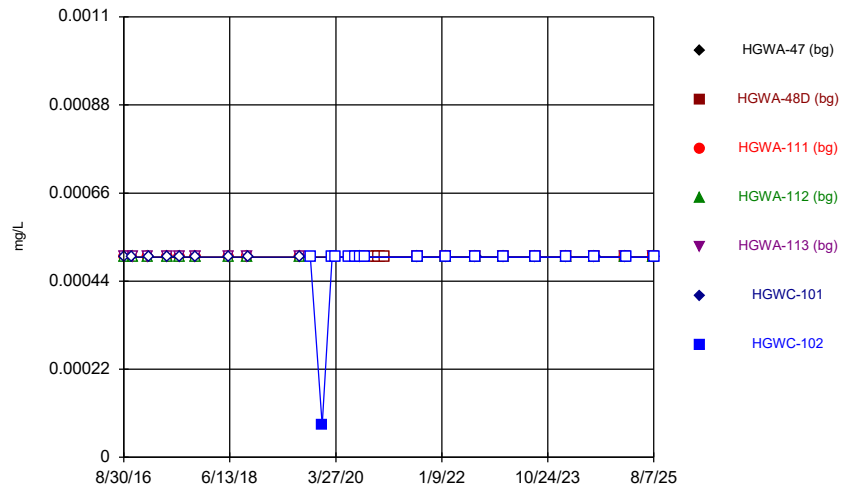
Constituent: TDS Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



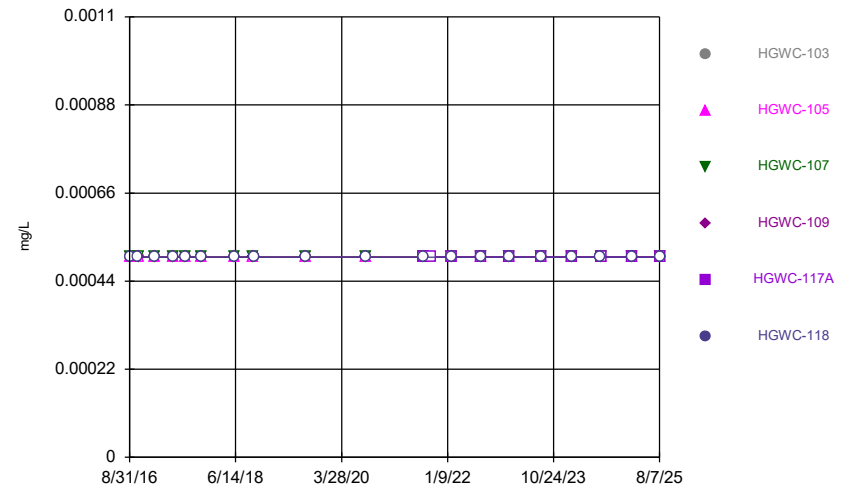
Constituent: TDS Analysis Run 10/21/2025 5:56 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



Constituent: Thallium Analysis Run 10/21/2025 5:57 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



Constituent: Thallium Analysis Run 10/21/2025 5:57 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.002	<0.002	<0.002		
8/31/2016						<0.002	
10/20/2016			<0.002			<0.002	
10/24/2016				<0.002	<0.002		
1/25/2017			<0.002	<0.002	<0.002		
1/31/2017						<0.002	
5/23/2017				<0.002	<0.002	<0.002	
5/24/2017			<0.002				
8/10/2017			<0.002	<0.002	<0.002	<0.002	
11/13/2017			<0.002	<0.002			
11/14/2017					<0.002	<0.002	
6/4/2018			<0.002	<0.002			
6/5/2018					<0.002		
6/6/2018						<0.002	
10/1/2018			<0.002	<0.002	<0.002		
10/3/2018						<0.002	
8/21/2019			<0.002	<0.002	<0.002		
8/22/2019						<0.002	
10/23/2019							<0.002
1/3/2020							0.00076 (J)
3/4/2020							<0.002
3/24/2020							<0.002
6/18/2020							<0.002
7/21/2020							<0.002
8/25/2020			<0.002	<0.002	<0.002		
8/27/2020						<0.002	<0.002
9/18/2020	<0.002	0.00038 (J)					
9/24/2020							<0.002
11/10/2020	<0.002						
11/11/2020		0.00031 (J)					
12/15/2020	<0.002	<0.002					
1/19/2021	<0.002	0.00042 (J)					
8/12/2021	<0.002	<0.002	<0.002	<0.002	<0.002		
8/13/2021							<0.002
8/16/2021						<0.002	
1/31/2022	<0.002	<0.002	0.0014 (J)				
2/1/2022				<0.002	<0.002		
2/2/2022						<0.002	<0.002
8/2/2022	<0.002				<0.002		
8/5/2022		<0.002	<0.002	<0.002			<0.002
8/10/2022						<0.002	
1/24/2023	<0.002	<0.002	<0.002	<0.002	<0.002		
1/25/2023						<0.002	<0.002
8/8/2023	<0.002	<0.002	<0.002	<0.002			
8/10/2023					<0.002		
8/11/2023						<0.002	0.003
2/13/2024		<0.002		<0.002			
2/14/2024	<0.002		<0.002		<0.002		
2/16/2024						<0.002	<0.002
8/6/2024	<0.002	<0.002	<0.002				
8/8/2024					<0.002		
8/9/2024				<0.002			<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/10/2024						<0.002	
2/12/2025	<0.002	<0.002					
2/13/2025			<0.002	<0.002	<0.002		
2/15/2025						<0.002	<0.002
8/5/2025	<0.002	<0.002					
8/6/2025			<0.002	<0.002	<0.002		
8/7/2025						<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.002	<0.002	<0.002	<0.002		<0.002
10/20/2016						<0.002
10/24/2016	<0.002					
10/25/2016		<0.002	<0.002	<0.002		
1/31/2017	<0.002	<0.002	<0.002	<0.002		<0.002
5/23/2017	<0.002					<0.002
5/24/2017		<0.002	<0.002	<0.002		
8/10/2017	<0.002	<0.002	<0.002	<0.002		<0.002
11/14/2017	<0.002	<0.002	<0.002	<0.002		<0.002
6/6/2018	0.0022 (J)	<0.002	<0.002	<0.002		
6/7/2018						<0.002
10/2/2018		<0.002	0.0011 (J)	<0.002		
10/3/2018	<0.002					<0.002
8/22/2019	<0.002	<0.002				<0.002
8/23/2019			<0.002	<0.002		
8/26/2020						<0.002
8/27/2020	<0.002	<0.002	<0.002	<0.002		
8/12/2021					<0.002	
8/13/2021		<0.002	<0.002	<0.002		<0.002
8/16/2021	<0.002					
9/27/2021					<0.002	
2/2/2022	<0.002		<0.002	<0.002		
2/3/2022		<0.002			<0.002	<0.002
8/5/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/25/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/11/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/16/2024	<0.002		<0.002			
2/17/2024		<0.002		<0.002	<0.002	<0.002
8/9/2024	<0.002					<0.002
8/10/2024		<0.002	<0.002	<0.002	<0.002	
2/15/2025	<0.002					
2/16/2025		<0.002	<0.002	<0.002	<0.002	<0.002
8/7/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.002	<0.002	<0.002		
8/31/2016						<0.002	
10/20/2016			<0.002			<0.002	
10/24/2016				<0.002	<0.002		
1/25/2017			<0.002	<0.002	<0.002		
1/31/2017						<0.002	
5/23/2017				<0.002	<0.002	<0.002	
5/24/2017			<0.002				
8/10/2017			<0.002	<0.002	<0.002	<0.002	
11/13/2017			<0.002	<0.002			
11/14/2017					<0.002	<0.002	
6/4/2018			<0.002	<0.002			
6/5/2018					<0.002		
6/6/2018						<0.002	
10/1/2018			<0.002	<0.002	<0.002		
10/3/2018						<0.002	
8/21/2019			<0.002	<0.002	<0.002		
8/22/2019						<0.002	
10/21/2019			<0.002				
10/22/2019				<0.002	<0.002		
10/23/2019						<0.002	<0.002
1/3/2020							0.00065 (J)
3/4/2020							0.00036 (J)
3/24/2020			0.00042 (J)	<0.002			<0.002
3/25/2020						0.00039 (J)	
4/9/2020					0.00074 (J)		
6/18/2020							0.00092 (J)
7/21/2020							0.00083 (J)
8/25/2020			<0.002	<0.002	<0.002		
8/27/2020						<0.002	<0.002
9/18/2020	<0.002	<0.002	<0.002	<0.002			
9/22/2020					<0.002		
9/24/2020						<0.002	<0.002
11/10/2020	<0.002						
11/11/2020		<0.002					
12/15/2020	<0.002	<0.002					
1/19/2021	<0.002	<0.002					
3/11/2021			<0.002				
3/12/2021	<0.002	0.0018 (J)		<0.002			
3/16/2021					0.0011 (J)		
3/17/2021						<0.002	<0.002
8/12/2021	<0.002	0.0013 (J)	<0.002	<0.002	<0.002		
8/13/2021							<0.002
8/16/2021						<0.002	
1/31/2022	<0.002	<0.002	<0.002				
2/1/2022				<0.002	<0.002		
2/2/2022						<0.002	<0.002
8/2/2022	<0.002				<0.002		
8/5/2022		<0.002	<0.002	<0.002			<0.002
8/10/2022						<0.002	
1/24/2023	<0.002	<0.002	<0.002	<0.002	<0.002		
1/25/2023						<0.002	<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.002	<0.002	<0.002	<0.002			
8/10/2023					<0.002		
8/11/2023						<0.002	<0.002
2/13/2024		<0.002		<0.002			
2/14/2024	<0.002		<0.002		<0.002		
2/16/2024						<0.002	<0.002
8/6/2024	<0.002	<0.002	<0.002				
8/8/2024					<0.002		
8/9/2024				<0.002			0.0011 (J)
8/10/2024						<0.002	
2/12/2025	<0.002	<0.002					
2/13/2025			<0.002	<0.002	<0.002		
2/15/2025						<0.002	<0.002
8/5/2025	<0.002	<0.002					
8/6/2025			<0.002	<0.002	<0.002		
8/7/2025						<0.002	<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.002	<0.002	<0.002	0.0045 (J)		<0.002
10/20/2016						<0.002
10/24/2016	<0.002					
10/25/2016		<0.002	<0.002	0.003 (J)		
1/31/2017	<0.002	<0.002	<0.002	0.0022 (J)		<0.002
5/23/2017	<0.002					<0.002
5/24/2017		<0.002	<0.002	0.0012 (J)		
8/10/2017	<0.002	<0.002	<0.002	0.0016 (J)		<0.002
11/14/2017	<0.002	<0.002	<0.002	0.0011 (J)		<0.002
6/6/2018	<0.002	<0.002	<0.002	0.0018 (J)		
6/7/2018						<0.002
10/2/2018		<0.002	<0.002	0.0014 (J)		
10/3/2018	<0.002					<0.002
8/22/2019	<0.002	<0.002				<0.002
8/23/2019			<0.002	0.0035 (J)		
10/22/2019			<0.002	0.0019 (J)		<0.002
10/23/2019	<0.002	<0.002				
3/25/2020	<0.002	<0.002	<0.002	0.0025 (J)		<0.002
8/26/2020						<0.002
8/27/2020	<0.002	<0.002	<0.002	0.0011 (J)		
9/24/2020	<0.002	<0.002	<0.002			
9/25/2020				0.0017 (J)		
9/28/2020						<0.002
3/17/2021				0.0019 (J)		
3/18/2021	<0.002	<0.002	<0.002			0.001 (J)
8/12/2021					<0.002	
8/13/2021		<0.002	<0.002	0.0019 (J)		<0.002
8/16/2021	<0.002					
9/27/2021					<0.002	
2/2/2022	<0.002		<0.002	<0.01		
2/3/2022		<0.002			<0.002	<0.002
8/5/2022	<0.002	<0.002	<0.002	0.0022 (J)	<0.002	<0.002
1/25/2023	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002
8/11/2023	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002
2/16/2024	<0.002		<0.002			
2/17/2024		<0.002		0.0013 (J)	<0.002	<0.002
8/9/2024	0.0015 (J)					<0.002
8/10/2024		<0.002	<0.002	0.00091 (J)	<0.002	
2/15/2025	<0.002					
2/16/2025		<0.002	<0.002	0.0014 (J)	<0.002	<0.002
8/7/2025	<0.002	<0.002	<0.002	0.002	<0.002	<0.002

Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			0.0275	0.0269	0.0269		
8/31/2016						0.0527	
10/20/2016			0.0255			0.0477	
10/24/2016				0.028	0.0258		
1/25/2017			0.0304	0.0252	0.0272		
1/31/2017						0.0527	
5/23/2017				0.0293	0.0293	0.0436	
5/24/2017			0.0256				
8/10/2017			0.0306	0.0274	0.031	0.0419	
11/13/2017			0.0217	0.0275			
11/14/2017					0.0289	0.0407	
6/4/2018			0.025	0.027			
6/5/2018					0.028		
6/6/2018						0.043	
10/1/2018			0.021	0.026	0.025		
10/3/2018						0.041	
8/21/2019			0.029	0.027	0.027		
8/22/2019						0.043	
10/21/2019			0.033				
10/22/2019				0.028	0.027		
10/23/2019						0.043	0.037
1/3/2020							0.036
3/4/2020							0.033
3/24/2020			0.032	0.029			0.024
3/25/2020						0.038	
4/9/2020					0.034		
6/18/2020							0.029
7/21/2020							0.028
8/25/2020			0.031	0.028	0.03		
8/27/2020						0.045	0.028
9/18/2020	0.026	0.077	0.024	0.025			
9/22/2020					0.038		
9/24/2020						0.041	0.029
11/10/2020	0.027						
11/11/2020		0.078					
12/15/2020	0.027	0.091					
1/19/2021	0.029	0.095					
3/11/2021			0.037				
3/12/2021	0.03	0.1		0.03			
3/16/2021					0.054		
3/17/2021						0.04	0.031
8/12/2021	0.028	0.1	0.029	0.028	0.033		
8/13/2021							0.026
8/16/2021						0.037	
1/31/2022	0.026	0.11	0.027				
2/1/2022				0.025	0.027		
2/2/2022						0.036	0.029
8/2/2022	0.029				0.03		
8/5/2022		0.11	0.028	0.027			0.031
8/10/2022						0.04	
1/24/2023	0.029	0.11	0.028	0.025	0.028		
1/25/2023						0.033	0.027

Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	0.026	0.1	0.027	0.025			
8/10/2023					0.028		
8/11/2023						0.036	0.028
2/13/2024		0.12		0.026			
2/14/2024	0.03		0.029		0.029		
2/16/2024						0.032	0.026
8/6/2024	0.025	0.11	0.027				
8/8/2024					0.029		
8/9/2024				0.026			0.029
8/10/2024						0.033	
2/12/2025	0.03	0.11					
2/13/2025			0.03	0.028	0.032		
2/15/2025						0.037	0.034
8/5/2025	0.027	0.11					
8/6/2025			0.028	0.026	0.031		
8/7/2025						0.037	0.034

Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.045	0.067	0.0391	0.0883		0.0595
10/20/2016						0.055
10/24/2016	0.0386					
10/25/2016		0.0745	0.041	0.0831		
1/31/2017	0.0365	0.0674	0.0382	0.0844		0.0613
5/23/2017	0.0254					0.068
5/24/2017		0.0668	0.0377	0.0784		
8/10/2017	0.0396	0.067	0.0385	0.0903		0.0638
11/14/2017	0.0385	0.0643	0.039	0.083		0.07
6/6/2018	0.043	0.068	0.039	0.095		
6/7/2018						0.059
10/2/2018		0.066	0.038	0.089		
10/3/2018	0.04					0.056
8/22/2019	0.036	0.066				0.052
8/23/2019			0.038	0.088		
10/22/2019			0.039	0.087		0.054
10/23/2019	0.039	0.066				
3/25/2020	0.036	0.074	0.037	0.084		0.06
8/26/2020						0.056
8/27/2020	0.038	0.068	0.034	0.083		
9/24/2020	0.036	0.075	0.039			
9/25/2020				0.085		
9/28/2020						0.046
3/17/2021				0.077		
3/18/2021	0.042	0.082	0.041			0.067
8/12/2021					0.079	
8/13/2021		0.073	0.033	0.08		0.043
8/16/2021	0.037					
9/27/2021					0.062	
2/2/2022	0.036		0.034	0.072		
2/3/2022		0.093			0.049	0.047
8/5/2022	0.037	0.088	0.036	0.085	0.055	0.039
1/25/2023	0.032	0.094	0.035	0.076	0.05	0.048
8/11/2023	0.035	0.089	0.032	0.081	0.046	0.04
2/16/2024	0.031		0.033			
2/17/2024		0.085		0.078	0.047	0.05
8/9/2024	0.032					0.037
8/10/2024		0.083	0.033	0.076	0.042	
2/15/2025	0.043					
2/16/2025		0.087	0.039	0.08	0.049	0.048
8/7/2025	0.038	0.079	0.035	0.078	0.044	0.037

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.0004	<0.0004	<0.0004		
8/31/2016						<0.0004	
10/20/2016			<0.0004			<0.0004	
10/24/2016				<0.0004	0.0019 (J)		
1/25/2017			<0.0004	<0.0004	<0.0004		
1/31/2017						<0.0004	
5/23/2017				<0.0004	<0.0004	7E-05 (J)	
5/24/2017			<0.0004				
8/10/2017			<0.0004	<0.0004	<0.0004	<0.0004	
11/13/2017			<0.0004	<0.0004			
11/14/2017					<0.0004	<0.0004	
6/4/2018			<0.0004	<0.0004			
6/5/2018					<0.0004		
6/6/2018						5.9E-05 (J)	
10/1/2018			<0.0004	<0.0004	<0.0004		
10/3/2018						6.5E-05 (J)	
8/21/2019			<0.0004	<0.0004	<0.0004		
8/22/2019						<0.0004	
10/21/2019			<0.0004				
10/22/2019				<0.0004	<0.0004		
10/23/2019						7.5E-05 (J)	<0.0004
1/3/2020							<0.0004
3/4/2020							<0.0004
3/24/2020			<0.0004	<0.0004			<0.0004
3/25/2020						<0.0004	
4/9/2020					<0.0004		
6/18/2020							<0.0004
7/21/2020							<0.0004
8/25/2020			4.7E-05 (J)	<0.0004	4.6E-05 (J)		
8/27/2020						5.7E-05 (J)	<0.0004
9/18/2020	<0.0004	<0.0004	<0.0004	<0.0004			
9/22/2020					9.9E-05 (J)		
9/24/2020						4.8E-05 (J)	<0.0004
11/10/2020	<0.0004						
11/11/2020		<0.0004					
12/15/2020	<0.0004	<0.0004					
1/19/2021	<0.0004	<0.0004					
3/11/2021			0.00014 (J)				
3/12/2021	<0.0004	<0.0004		5.4E-05 (J)			
3/16/2021					0.00018 (J)		
3/17/2021						5.9E-05 (J)	<0.0004
8/12/2021	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004		
8/13/2021							<0.0004
8/16/2021						<0.0004	
1/31/2022	<0.0004	<0.0004	<0.0004				
2/1/2022				<0.0004	<0.0004		
2/2/2022						6.2E-05 (J)	<0.0004
8/2/2022	<0.0004				<0.0004		
8/5/2022		<0.0004	<0.0004	<0.0004			<0.0004
8/10/2022						6.4E-05 (J)	
1/24/2023	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004		
1/25/2023						<0.0004	<0.0004

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.0004	<0.0004	<0.0004	<0.0004			
8/10/2023					<0.0004		
8/11/2023						7E-05 (J)	<0.0004
2/13/2024		<0.0004		<0.0004			
2/14/2024	<0.0004		<0.0004		<0.0004		
2/16/2024						<0.0004	<0.0004
8/6/2024	<0.0004	<0.0004	<0.0004				
8/8/2024					<0.0004		
8/9/2024				<0.0004			<0.0004
8/10/2024						<0.0004	
2/12/2025	<0.0004	<0.0004					
2/13/2025			<0.0004	<0.0004	<0.0004		
2/15/2025						<0.0004	<0.0004
8/5/2025	<0.0004	<0.0004					
8/6/2025			<0.0004	<0.0004	<0.0004		
8/7/2025						<0.0004	<0.0004

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004
10/20/2016						<0.0004
10/24/2016	<0.0004					
10/25/2016		<0.0004	<0.0004	<0.0004		
1/31/2017	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004
5/23/2017	<0.0004					<0.0004
5/24/2017		<0.0004	<0.0004	<0.0004		
8/10/2017	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004
11/14/2017	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004
6/6/2018	<0.0004	<0.0004	<0.0004	<0.0004		
6/7/2018						<0.0004
10/2/2018		<0.0004	<0.0004	<0.0004		
10/3/2018	<0.0004					<0.0004
8/22/2019	<0.0004	<0.0004				<0.0004
8/23/2019			<0.0004	<0.0004		
10/22/2019			<0.0004	<0.0004		<0.0004
10/23/2019	<0.0004	<0.0004				
3/25/2020	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004
8/26/2020						<0.0004
8/27/2020	5E-05 (J)	<0.0004	<0.0004	<0.0004		
9/24/2020	8.8E-05 (J)	<0.0004	<0.0004			
9/25/2020				<0.0004		
9/28/2020						<0.0004
3/17/2021				<0.0004		
3/18/2021	6.1E-05 (J)	<0.0004	<0.0004			9.3E-05 (J)
8/12/2021					<0.0004	
8/13/2021		<0.0004	<0.0004	<0.0004		<0.0004
8/16/2021	<0.0004					
9/27/2021					<0.0004	
2/2/2022	7.7E-05 (J)		<0.0004	<0.0004		
2/3/2022		<0.0004			<0.0004	<0.0004
8/5/2022	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
1/25/2023	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
8/11/2023	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
2/16/2024	<0.0004		<0.0004			
2/17/2024		<0.0004		<0.0004	<0.0004	<0.0004
8/9/2024	<0.0004					<0.0004
8/10/2024		<0.0004	<0.0004	<0.0004	<0.0004	
2/15/2025	<0.0004					
2/16/2025		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
8/7/2025	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004

Time Series

Constituent: Boron (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.04	<0.04	<0.04		
8/31/2016						0.0724 (J)	
10/20/2016			0.016 (J)			0.0877 (J)	
10/24/2016				0.0367 (J)	0.0226 (J)		
1/25/2017			0.0095 (J)	0.0075 (J)	0.009 (J)		
1/31/2017						0.0928	
5/23/2017				0.0073 (J)	0.0082 (J)	0.0795	
5/24/2017			0.0094 (J)				
8/10/2017			<0.04	<0.04	0.0061 (J)	0.0814	
11/13/2017			0.0103 (J)	0.0089 (J)			
11/14/2017					0.012 (J)	0.108	
6/4/2018			0.0065 (J)	0.007 (J)			
6/5/2018					0.0085 (J)		
6/6/2018						0.081	
10/1/2018			0.0054 (J)	<0.04	0.0042 (J)		
10/3/2018						0.092	
4/1/2019			0.0076 (J)				
4/2/2019				0.0043 (J)	0.0059 (J)		
4/4/2019						0.06 (J)	
10/21/2019			0.0097 (J)				
10/22/2019				0.016 (J)	0.01 (J)		
10/23/2019						0.1	3.1
1/3/2020							3.4
3/4/2020							3.7
3/24/2020			0.011 (J)	0.012 (J)			2.4
3/25/2020						0.08 (J)	
4/9/2020					0.012 (J)		
6/18/2020							2.9
7/21/2020							3
8/27/2020							2.7
9/18/2020	0.0082 (J)	0.015 (J)	0.011 (J)	0.008 (J)			
9/22/2020					0.021 (J)		
9/24/2020						0.1	2.9
11/10/2020	0.0064 (J)						
11/11/2020		0.014 (J)					
12/15/2020	<0.04	0.0083 (J)					
1/19/2021	0.015 (J)	0.015 (J)					
3/11/2021			0.01 (J)				
3/12/2021	0.0067 (J)	0.012 (J)		0.0061 (J)			
3/16/2021					0.011 (J)		
3/17/2021						0.13	2.7
8/12/2021	<0.04	0.012 (J)	<0.04	<0.04	<0.04		
8/13/2021							2.4
8/16/2021						0.13	
1/31/2022	<0.04	0.011 (J)	0.0099 (J)				
2/1/2022				0.011 (J)	0.012 (J)		
2/2/2022						0.14	2.6
8/2/2022	<0.04				<0.04		
8/5/2022		0.011 (J)	<0.04	0.012 (J)			2.9
8/10/2022						0.17	
1/24/2023	<0.04	<0.04	<0.04	<0.04	<0.04		
1/25/2023						0.12	2.5

Time Series

Constituent: Boron (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.04	<0.04	<0.04	<0.04			
8/10/2023					0.0091 (J)		
8/11/2023						0.16	3.2
2/13/2024		<0.04		<0.04			
2/14/2024	0.018 (J)		<0.04		0.013 (J)		
2/16/2024						0.14	2.7
8/6/2024	<0.04	<0.04	<0.04				
8/8/2024					<0.04		
8/9/2024				0.029 (J)			3
8/10/2024						0.15	
2/12/2025	0.011 (J)	0.013 (J)					
2/13/2025			0.0082 (J)	0.0072 (J)	0.01 (J)		
2/15/2025						0.21	3.9
8/5/2025	<0.04	0.012 (J)					
8/6/2025			0.0074 (J)	0.0069 (J)	0.01 (J)		
8/7/2025						0.19	5

Time Series

Constituent: Boron (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	2.22	1.14	0.651	0.402		0.681
10/20/2016						0.697
10/24/2016	1.83					
10/25/2016		1.21	0.778	0.372		
1/31/2017	2.12	1.43	0.782	0.404		0.768
5/23/2017	2.56					0.754
5/24/2017		1.3	0.753	0.415		
8/10/2017	2.28	1.28	0.702	0.397		0.608
11/14/2017	2.32	1.29	0.78	0.366		0.691
6/6/2018	2.5	1.4	0.87	0.48		
6/7/2018						0.57
10/2/2018		1.2	0.82	0.43		
10/3/2018	2.4					0.51
4/3/2019			0.89	0.4		
4/4/2019	2.4	1.4 (J)				
4/5/2019						0.6 (J)
6/17/2019	2.3		0.86	0.37		
10/22/2019			0.91	0.32		0.65
10/23/2019	2.3	1.3				
3/25/2020	2.3	1.4	0.87	0.36		0.7
9/24/2020	2.2	1.2	0.88			
9/25/2020				0.28		
9/28/2020						0.65
3/17/2021				0.26		
3/18/2021	2.4	1.5	0.92			0.81
8/12/2021					0.34	
8/13/2021		1.2	0.73	0.24		0.59
8/16/2021	3.2					
9/27/2021					0.3	
2/2/2022	3.1		0.85	0.25		
2/3/2022		1.4			0.34	0.77
8/5/2022	3.6	1.3	0.79	0.25	0.34	0.57
1/25/2023	2.7	1.3	0.82	0.22	0.27	0.62
8/11/2023	4.3	1.4	0.81	0.23	0.31	0.66
2/16/2024	3.1		0.87			
2/17/2024		1.3		0.22	0.27	0.68
8/9/2024	4.5					0.59
8/10/2024		1.4	0.84	0.2	0.28	
2/15/2025	5.8					
2/16/2025		1.8	1	0.22	0.39 (J)	0.76
8/7/2025	8.3	1.6	0.9	0.2 (J)	0.36	0.67

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.0005	<0.0005	<0.0005		
8/31/2016						0.0002 (J)	
10/20/2016			<0.0005			0.0003 (J)	
10/24/2016				<0.0005	<0.0005		
1/25/2017			<0.0005	<0.0005	<0.0005		
1/31/2017						0.0001 (J)	
5/23/2017				<0.0005	<0.0005	0.0002 (J)	
5/24/2017			<0.0005				
8/10/2017			<0.0005	<0.0005	<0.0005	0.0002 (J)	
11/13/2017			<0.0005	<0.0005			
11/14/2017					<0.0005	<0.0005	
6/4/2018			<0.0005	<0.0005			
6/5/2018					<0.0005		
6/6/2018						9.5E-05 (J)	
10/1/2018			<0.0005	<0.0005	<0.0005		
10/3/2018						0.00018 (J)	
8/21/2019			<0.0005	<0.0005	<0.0005		
8/22/2019						0.00014 (J)	
10/21/2019			<0.0005				
10/22/2019				<0.0005	<0.0005		
10/23/2019						0.0002 (J)	0.00026 (J)
1/3/2020							0.0002 (J)
3/4/2020							0.00026 (J)
3/24/2020			<0.0005	<0.0005			0.00068 (J)
3/25/2020						0.00014 (J)	
4/9/2020					<0.0005		
6/18/2020							0.00047 (J)
7/21/2020							0.00083 (J)
8/25/2020			<0.0005	<0.0005	<0.0005		
8/27/2020						0.00019 (J)	0.00038 (J)
9/18/2020	<0.0005	<0.0005	<0.0005	<0.0005			
9/22/2020					<0.0005		
9/24/2020						0.00014 (J)	0.00032 (J)
11/10/2020	<0.0005						
11/11/2020		<0.0005					
12/15/2020	<0.0005	<0.0005					
1/19/2021	<0.0005	<0.0005					
3/11/2021			<0.0005				
3/12/2021	<0.0005	<0.0005		<0.0005			
3/16/2021					<0.0005		
3/17/2021						<0.0005	0.00094
8/12/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/13/2021							0.00069
8/16/2021						0.00015 (J)	
1/31/2022	<0.0005	<0.0005	<0.0005				
2/1/2022				<0.0005	<0.0005		
2/2/2022						<0.0005	0.00055
8/2/2022	<0.0005				<0.0005		
8/5/2022		<0.0005	<0.0005	<0.0005			0.00044 (J)
8/10/2022						0.00011 (J)	
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
1/25/2023						0.00011 (J)	0.00035 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.0005	<0.0005	<0.0005	<0.0005			
8/10/2023					<0.0005		
8/11/2023						0.00015 (J)	0.00067
2/13/2024		<0.0005		<0.0005			
2/14/2024	<0.0005		<0.0005		<0.0005		
2/16/2024						0.00016 (J)	0.00031 (J)
8/6/2024	<0.0005	<0.0005	<0.0005				
8/8/2024					<0.0005		
8/9/2024				<0.0005			0.00043 (J)
8/10/2024						0.00014 (J)	
2/12/2025	<0.0005	<0.0005					
2/13/2025			<0.0005	<0.0005	<0.0005		
2/15/2025						0.00015 (J)	0.0016
8/5/2025	<0.0005	<0.0005					
8/6/2025			<0.0005	<0.0005	<0.0005		
8/7/2025						0.00016 (J)	0.00098

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.0006 (J)	<0.0005	0.0001 (J)	<0.0005		<0.0005
10/20/2016						<0.0005
10/24/2016	0.0008 (J)					
10/25/2016		<0.0005	8E-05 (J)	<0.0005		
1/31/2017	0.0006 (J)	<0.0005	9E-05 (J)	<0.0005		<0.0005
5/23/2017	0.0006 (J)					<0.0005
5/24/2017		<0.0005	0.0001 (J)	<0.0005		
8/10/2017	0.0007 (J)	<0.0005	<0.0005	<0.0005		<0.0005
11/14/2017	0.0007 (J)	<0.0005	<0.0005	<0.0005		<0.0005
6/6/2018	0.00073 (J)	<0.0005	0.00012 (J)	<0.0005		
6/7/2018						<0.0005
10/2/2018		<0.0005	0.0001 (J)	<0.0005		
10/3/2018	0.00078 (J)					<0.0005
8/22/2019	0.0008 (J)	<0.0005				<0.0005
8/23/2019			0.00011 (J)	<0.0005		
10/22/2019			<0.0005	<0.0005		<0.0005
10/23/2019	0.00091 (J)	<0.0005				
3/25/2020	0.00068 (J)	<0.0005	<0.0005	<0.0005		<0.0005
8/26/2020						<0.0005
8/27/2020	0.00082 (J)	<0.0005	<0.0005	<0.0005		
9/24/2020	0.00076 (J)	<0.0005	<0.0005			
9/25/2020				<0.0005		
9/28/2020						<0.0005
3/17/2021				<0.0005		
3/18/2021	0.00068	<0.0005	<0.0005			<0.0005
8/12/2021					0.00016 (J)	
8/13/2021		<0.0005	<0.0005	<0.0005		<0.0005
8/16/2021	0.00081					
9/27/2021					<0.0005	
2/2/2022	0.0008		<0.0005	<0.0005		
2/3/2022		<0.0005			<0.0005	<0.0005
8/5/2022	0.00081	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/25/2023	0.00063	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/11/2023	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/16/2024	0.00074		<0.0005			
2/17/2024		<0.0005		<0.0005	<0.0005	<0.0005
8/9/2024	0.00078					<0.0005
8/10/2024		<0.0005	<0.0005	<0.0005	<0.0005	
2/15/2025	0.00085					
2/16/2025		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/7/2025	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			40.3	6.69	6.72		
8/31/2016						19.4	
10/20/2016			38.7			19.3	
10/24/2016				6.25	6.4		
1/25/2017			44.6	6.58	6.87		
1/31/2017						19.1	
5/23/2017				6.4	7.13	18.3	
5/24/2017			34.8				
8/10/2017			48.6	6.54	6.71	20.9	
11/13/2017			17.1	6.26			
11/14/2017					7.4	21.7	
6/4/2018			30.1	7.4			
6/5/2018					7.4		
6/6/2018						17	
10/1/2018			14.2 (J)	5.8	6.2		
10/3/2018						19.1 (J)	
4/1/2019			58.4				
4/2/2019				6.7	7.4		
4/4/2019						16.9	
10/21/2019			51				
10/22/2019				6.3	7.2		
10/23/2019						21.9	136
1/3/2020							118
3/4/2020							144
3/24/2020			61.2	7			103
3/25/2020						18.4	
4/9/2020					8.3		
6/18/2020							124
7/21/2020							120
8/27/2020							106
9/18/2020	62.2	51.8	32.2	6.5			
9/22/2020					7.9		
9/24/2020						20.3	120
11/10/2020	73.3						
11/11/2020		61.3					
12/15/2020	72.5	61.3					
1/19/2021	72.5	58.9					
3/11/2021			53.2				
3/12/2021	69.2	57.5		6.9			
3/16/2021					8.6		
3/17/2021						21.8	111
8/12/2021	71.2	59.5	45.4	6.9	8.4		
8/13/2021							119
8/16/2021						22.8	
1/31/2022	73.8	63.2	58.6				
2/1/2022				7.4	8.6		
2/2/2022						23.8	116
8/2/2022	73				8		
8/5/2022		59.6	53	7.1			127
8/10/2022						24.6	
1/24/2023	69.2	57.8	55.4	6.6	7.5		
1/25/2023						20.4	128

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	68	58.2	0.94 (J)	6.6			
8/10/2023					8.4		
8/11/2023						24.1	134
2/13/2024		56		6.5			
2/14/2024	29.4		51.8		7.2		
2/16/2024						22.2	127
8/6/2024	71.1	58.8	46.2				
8/8/2024					8.4		
8/9/2024				7.1			142
8/10/2024						24.2	
2/12/2025	70.7	57.2					
2/13/2025			53.9	7.2	8.5		
2/15/2025						24.8	154
8/5/2025	70.5	59.7					
8/6/2025			52.2	6.7	8.6		
8/7/2025						23.2	158

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	70.4	74.2	44.7	35.1		79.3
10/20/2016						83.7
10/24/2016	70.9					
10/25/2016		72.5	49	35.4		
1/31/2017	63.6	70.3	46.6	34.2		76.8
5/23/2017	111					77.2
5/24/2017		75.9	49.5	35.3		
8/10/2017	81.2	84	54.2	43.1		83.1
11/14/2017	79.7	87.2	53.2	37.4		86.7
6/6/2018	88.3	81	55	41.1		
6/7/2018						79.7
10/2/2018		84.7	55.4	42.5		
10/3/2018	85.3					77.1
4/3/2019			54	37.5		
4/4/2019	91.9	73.8				
4/5/2019						82
6/17/2019	92.6	81.2	55.3			
6/18/2019						76.5
10/22/2019			58.1	42.6		84.2
10/23/2019	86.5	89.4				
3/25/2020	86.8	91.4	59.5	42.6		86.8
9/24/2020	91.3	92.9	55.4			
9/25/2020				48.5		
9/28/2020						88.9
3/17/2021				37.3		
3/18/2021	83.7	97.7	56			85.4
8/12/2021					50.7	
8/13/2021		102	57.8	43.5		84.3
8/16/2021	124					
9/27/2021					47.2	
2/2/2022	104		62	45.7		
2/3/2022		115			68.2	84.5
8/5/2022	128	121	63	50.8	68.6	88.5
1/25/2023	109	113	57.8	42.4	64.5	81.8
8/11/2023	139	129	56	44.8	61.1	85.5
2/16/2024	106		61.9			
2/17/2024		130		44.3	63.9	83.8
8/9/2024	146					85.2
8/10/2024		156	61.4	53.7	64.5	
2/15/2025	170					
2/16/2025		170	67.9	48.4	78.3	94.9
8/7/2025	202	149	55.2	45.2	59.3	74.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	2.7	2.7	3	5.1			
8/10/2023					1.6		
8/11/2023						4.9	6.7
2/13/2024		2.6		5			
2/14/2024	1.6		3		1.5		
2/16/2024						5.4	7.4
8/6/2024	2.9	2.7	2.8				
8/8/2024					1.5		
8/9/2024				5.2			8
8/10/2024						5.4	
2/12/2025	2.6	2.4					
2/13/2025			2.8	4.9	1.4		
2/15/2025						5.6	9
8/5/2025	2.9	2.8					
8/6/2025			3.1	5.1	1.5		
8/7/2025						5.4	9.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	5.2	3	3.2	5		4.5
10/20/2016						4.4
10/24/2016	5.2					
10/25/2016		2.8	3.2	4.8		
1/31/2017	5.6	3.3	3.1	5.5		4.8
5/23/2017	5.7					4.3
5/24/2017		3.5	2.9	5.3		
8/10/2017	5.8	2.9	2.8	4.6		4.2
11/14/2017	6	4	3.4	5.6		4.4
6/6/2018	6.4	2.9	2.8	5.3		
6/7/2018						4.1
10/2/2018		3.5	3.2	5.3		
10/3/2018	6.3					4.4
4/3/2019			3.6	5		
4/4/2019	6.9	3.9				
4/5/2019						4.3
6/17/2019	5.2		2.9			
10/22/2019			3.6	4.6		4.5
10/23/2019	6.1	3.6				
3/25/2020	5.1	3.2	3	3.9		3.6
9/24/2020	6	3.9	3.5			
9/25/2020				4.1		
9/28/2020						4
3/17/2021				4.7		
3/18/2021	6.2	4.3	3.2			4.3
8/12/2021					6.3	
8/13/2021		3.7	3.1	4		4
8/16/2021	10.4					
9/27/2021					4.5	
2/2/2022	7.1		2.9	4.1		
2/3/2022		4.8			7.8	3.9
8/5/2022	7.8	5	2.7	3.7	7.4	3.8
1/25/2023	8	6	3.3	4.3	5.9	4.3
8/11/2023	7.9	5.6	2.7	3.5	4.6	3.8
2/16/2024	7.5		3.2			
2/17/2024		6.8		3.9	4.4	4.1
8/9/2024	8.8					4.2
8/10/2024		7.7	3.1	4	4.5	
2/15/2025	9.3					
2/16/2025		8.5	3.3	4.2	5.2	4.3
8/7/2025	11	9.4	3.1	3.7	5	4.1

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2025 6:01 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.005	0.0038 (J)	<0.005		
8/31/2016						<0.005	
10/20/2016			<0.005			<0.005	
10/24/2016				0.0039 (J)	0.001 (J)		
1/25/2017			0.0029 (J)	0.0038 (J)	0.0012 (J)		
1/31/2017						<0.005	
5/23/2017				0.0038 (J)	0.0012 (J)	0.0006 (J)	
5/24/2017			0.0004 (J)				
8/10/2017			<0.005	0.0039 (J)	0.0019 (J)	<0.005	
11/13/2017			<0.005	0.0038 (J)			
11/14/2017					0.0016 (J)	<0.005	
6/4/2018			<0.005	0.0037 (J)			
6/5/2018					<0.005		
6/6/2018						<0.005	
10/1/2018			<0.005	0.0036 (J)	0.0023 (J)		
10/3/2018						<0.005	
8/21/2019			0.00061 (J)	0.0039 (J)	0.0022 (J)		
8/22/2019						0.00064 (J)	
10/21/2019			0.0012 (J)				
10/22/2019				0.004 (J)	0.0023 (J)		
10/23/2019						<0.005	<0.005
1/3/2020							0.00063 (J)
3/4/2020							<0.005
3/24/2020			0.0019 (J)	0.0044 (J)			0.00051 (J)
3/25/2020						0.00098 (J)	
4/9/2020					0.0031 (J)		
6/18/2020							<0.005
7/21/2020							<0.005
8/25/2020			0.0013 (J)	0.0039 (J)	0.0031 (J)		
8/27/2020						<0.005	<0.005
9/18/2020	0.0039 (J)	<0.005	0.00077 (J)	0.0037 (J)			
9/22/2020					0.0046 (J)		
9/24/2020						<0.005	<0.005
11/10/2020	<0.005						
11/11/2020		<0.005					
12/15/2020	<0.005	0.0013 (J)					
1/19/2021	<0.005	0.0015 (J)					
3/11/2021			0.002 (J)				
3/12/2021	<0.005	0.00062 (J)		0.0045 (J)			
3/16/2021					0.0061		
3/17/2021						0.00075 (J)	<0.005
8/12/2021	<0.005	<0.005	<0.005	0.0041 (J)	<0.005		
8/13/2021							<0.005
8/16/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005				
2/1/2022				0.0043 (J)	0.0013 (J)		
2/2/2022						<0.005	<0.005
8/2/2022	<0.005				0.0013 (J)		
8/5/2022		<0.005	<0.005	0.0045 (J)			<0.005
8/10/2022						<0.005	
1/24/2023	<0.005	<0.005	<0.005	0.0041 (J)	0.0036 (J)		
1/25/2023						<0.005	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2025 6:01 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.005	<0.005	<0.005	0.0037 (J)			
8/10/2023					0.0019 (J)		
8/11/2023						<0.005	<0.005
2/13/2024		<0.005		0.0053			
2/14/2024	<0.005		<0.005		0.0023 (J)		
2/16/2024						<0.005	<0.005
8/6/2024	<0.005	<0.005	<0.005				
8/8/2024					<0.005		
8/9/2024				0.0029 (J)			<0.005
8/10/2024						<0.005	
2/12/2025	<0.005	<0.005					
2/13/2025			<0.005	0.0043 (J)	0.0024 (J)		
2/15/2025						<0.005	<0.005
8/5/2025	<0.005	<0.005					
8/6/2025			0.0019 (J)	0.0048 (J)	0.0029 (J)		
8/7/2025						<0.005	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.005	<0.005	<0.005	<0.005		<0.005
10/20/2016						<0.005
10/24/2016	<0.005					
10/25/2016		<0.005	<0.005	<0.005		
1/31/2017	<0.005	<0.005	<0.005	<0.005		<0.005
5/23/2017	<0.005					<0.005
5/24/2017		<0.005	<0.005	<0.005		
8/10/2017	<0.005	<0.005	<0.005	<0.005		<0.005
11/14/2017	<0.005	<0.005	<0.005	<0.005		<0.005
6/6/2018	<0.005	<0.005	<0.005	<0.005		
6/7/2018						<0.005
10/2/2018		<0.005	<0.005	<0.005		
10/3/2018	<0.005					<0.005
8/22/2019	0.00063 (J)	<0.005				<0.005
8/23/2019			<0.005	<0.005		
10/22/2019			<0.005	0.00062 (J)		0.00066 (J)
10/23/2019	0.0015 (J)	0.0004 (J)				
3/25/2020	0.00045 (J)	0.0013 (J)	0.00074 (J)	0.0014 (J)		0.00081 (J)
8/26/2020						0.00098 (J)
8/27/2020	0.00069 (J)	<0.005	<0.005	<0.005		
9/24/2020	0.00081 (J)	0.00064 (J)	<0.005			
9/25/2020				<0.005		
9/28/2020						0.0017 (J)
3/17/2021				<0.005		
3/18/2021	0.003 (J)	0.00058 (J)	<0.005			0.0021 (J)
8/12/2021					<0.005	
8/13/2021		<0.005	<0.005	<0.005		<0.005
8/16/2021	<0.005					
9/27/2021					<0.005	
2/2/2022	0.0013 (J)		<0.005	<0.005		
2/3/2022		<0.005			<0.005	<0.005
8/5/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/25/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/11/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2024	<0.005		<0.005			
2/17/2024		<0.005		<0.005	<0.005	<0.005
8/9/2024	<0.005					<0.005
8/10/2024		<0.005	<0.005	<0.005	<0.005	
2/15/2025	<0.005					
2/16/2025		<0.005	<0.005	<0.005	<0.005	<0.005
8/7/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.005	<0.005	0.0006 (J)		
8/31/2016						0.0033 (J)	
10/20/2016			<0.005			0.0025 (J)	
10/24/2016				<0.005	<0.005		
1/25/2017			<0.005	<0.005	<0.005		
1/31/2017						0.001 (J)	
5/23/2017				<0.005	<0.005	0.0025 (J)	
5/24/2017			<0.005				
8/10/2017			<0.005	<0.005	0.0004 (J)	0.0029 (J)	
11/13/2017			<0.005	<0.005			
11/14/2017					0.0003 (J)	0.003 (J)	
6/4/2018			<0.005	<0.005			
6/5/2018					<0.005		
6/6/2018						0.0016 (J)	
10/1/2018			<0.005	<0.005	<0.005		
10/3/2018						0.0028 (J)	
8/21/2019			<0.005	<0.005	<0.005		
8/22/2019						<0.005	
10/21/2019			<0.005				
10/22/2019				<0.005	<0.005		
10/23/2019						0.0023 (J)	0.0018 (J)
1/3/2020							0.0038 (J)
3/4/2020							0.0021 (J)
3/24/2020			<0.005	<0.005			0.0019 (J)
3/25/2020						0.0021 (J)	
4/9/2020					0.00037 (J)		
6/18/2020							0.0012 (J)
7/21/2020							0.00098 (J)
8/25/2020			<0.005	<0.005	<0.005		
8/27/2020						0.0027 (J)	0.001 (J)
9/18/2020	0.00049 (J)	<0.005	<0.005	<0.005			
9/22/2020					0.00074 (J)		
9/24/2020						0.0021 (J)	0.0011 (J)
11/10/2020	<0.005						
11/11/2020		<0.005					
12/15/2020	<0.005	0.00039 (J)					
1/19/2021	<0.005	<0.005					
3/11/2021			<0.005				
3/12/2021	<0.005	<0.005		<0.005			
3/16/2021					0.0013 (J)		
3/17/2021						0.0023 (J)	0.0012 (J)
8/12/2021	<0.005	<0.005	<0.005	<0.005	<0.005		
8/13/2021							0.00085 (J)
8/16/2021						0.0026 (J)	
1/31/2022	<0.005	<0.005	<0.005				
2/1/2022				<0.005	<0.005		
2/2/2022						0.0027 (J)	0.0019 (J)
8/2/2022	<0.005				<0.005		
8/5/2022		<0.005	<0.005	<0.005			0.001 (J)
8/10/2022						0.0028 (J)	
1/24/2023	<0.005	<0.005	<0.005	<0.005	<0.005		
1/25/2023						0.0021 (J)	0.0016 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.005	<0.005	<0.005	<0.005			
8/10/2023					<0.005		
8/11/2023						0.0028 (J)	0.001 (J)
2/13/2024		<0.005		<0.005			
2/14/2024	<0.005		<0.005		<0.005		
2/16/2024						0.0026 (J)	0.0011 (J)
8/6/2024	<0.005	<0.005	<0.005				
8/8/2024					<0.005		
8/9/2024				<0.005			0.00094 (J)
8/10/2024						0.0025 (J)	
2/12/2025	<0.005	<0.005					
2/13/2025			<0.005	<0.005	<0.005		
2/15/2025						0.0027 (J)	<0.005
8/5/2025	<0.005	<0.005					
8/6/2025			<0.005	<0.005	<0.005		
8/7/2025						0.0027 (J)	0.0026 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.0018 (J)	0.0014 (J)	<0.005	0.0023 (J)		<0.005
10/20/2016						<0.005
10/24/2016	0.0018 (J)					
10/25/2016		0.0013 (J)	<0.005	0.0017 (J)		
1/31/2017	0.0016 (J)	0.0006 (J)	<0.005	0.0017 (J)		<0.005
5/23/2017	0.0014 (J)					0.0005 (J)
5/24/2017		0.0007 (J)	<0.005	0.002 (J)		
8/10/2017	0.0025 (J)	0.0006 (J)	<0.005	0.0012 (J)		0.0003 (J)
11/14/2017	0.002 (J)	0.0005 (J)	<0.005	0.0014 (J)		0.0004 (J)
6/6/2018	0.0031 (J)	0.00056 (J)	<0.005	0.0014 (J)		
6/7/2018						<0.005
10/2/2018		<0.005	<0.005	0.00081 (J)		
10/3/2018	0.0023 (J)					<0.005
8/22/2019	0.0019 (J)	<0.005				0.0003 (J)
8/23/2019			<0.005	0.0027 (J)		
10/22/2019			<0.005	0.0022 (J)		0.00061 (J)
10/23/2019	0.0021 (J)	0.00038 (J)				
3/25/2020	0.0022 (J)	0.00047 (J)	<0.005	0.0022 (J)		<0.005
8/26/2020						0.00061 (J)
8/27/2020	0.0019 (J)	<0.005	<0.005	0.00086 (J)		
9/24/2020	0.0019 (J)	0.00044 (J)	<0.005			
9/25/2020				0.001 (J)		
9/28/2020						0.00048 (J)
3/17/2021				0.003 (J)		
3/18/2021	0.0021 (J)	0.00045 (J)	<0.005			0.0012 (J)
8/12/2021					0.0024 (J)	
8/13/2021		<0.005	<0.005	0.0011 (J)		<0.005
8/16/2021	0.0022 (J)					
9/27/2021					0.0011 (J)	
2/2/2022	0.0022 (J)		<0.005	0.002 (J)		
2/3/2022		<0.005			0.00041 (J)	0.00045 (J)
8/5/2022	0.0021 (J)	<0.005	<0.005	0.0008 (J)	0.0011 (J)	<0.005
1/25/2023	0.0017 (J)	0.00046 (J)	<0.005	0.0016 (J)	0.00048 (J)	<0.005
8/11/2023	0.0019 (J)	0.00047 (J)	<0.005	0.00077 (J)	0.00078 (J)	<0.005
2/16/2024	0.002 (J)		<0.005			
2/17/2024		0.00071 (J)		0.0011 (J)	0.00047 (J)	0.00042 (J)
8/9/2024	0.002 (J)					<0.005
8/10/2024		0.00052 (J)	<0.005	0.0005 (J)	0.00081 (J)	
2/15/2025	0.0023 (J)					
2/16/2025		<0.005	<0.005	<0.005	<0.005	<0.005
8/7/2025	0.004 (J)	0.0019 (J)	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/21/2025 6:02 AM

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			0.804	1.32	0.587		
8/31/2016						0.621 (U)	
10/20/2016			1.13 (U)			1.4	
10/24/2016				1.3 (U)	0.979 (U)		
1/25/2017			0.888 (U)	1.04 (U)	0.038 (U)		
1/31/2017						0.906 (U)	
5/23/2017				0.541 (U)	0.898 (U)	0.388 (U)	
5/24/2017			0.622 (U)				
8/10/2017			0.745 (U)	0.536 (U)	0.759 (U)	1.03 (U)	
11/13/2017			0.778 (U)	0.786 (U)			
11/14/2017					0.0762 (U)	0.769 (U)	
6/4/2018			0.637 (U)	0.233 (U)			
6/5/2018					0.594 (U)		
6/6/2018						1.28	
10/1/2018			0.451 (U)	0.494 (U)	0.982		
10/3/2018						0.302 (U)	
8/21/2019			0.553 (U)	0.514 (U)	0.492 (U)		
8/22/2019						0.474 (U)	
10/21/2019			0.351 (U)				
10/22/2019				0.828 (U)	0.523 (U)		
10/23/2019						0.776 (U)	0.858 (U)
1/22/2020							1.04 (U)
3/4/2020							1.32
3/24/2020			0.26 (U)	0.677 (U)			1.23 (U)
3/25/2020						0.603 (U)	
4/9/2020					0.617 (U)		
6/18/2020							0.681 (U)
7/21/2020							0.0938 (U)
8/25/2020			0.57 (U)	0.0182 (U)	0.587 (U)		
8/27/2020						0.109 (U)	1.17 (U)
9/18/2020	1.11 (U)	1.5 (U)	0.828 (U)	1.15 (U)			
9/22/2020					0.551 (U)		
9/24/2020						0.625 (U)	1.42
11/10/2020	0.234 (U)						
11/11/2020		0.776 (U)					
12/15/2020	0.529 (U)	1.23 (U)					
1/19/2021	0.176 (U)	1.35 (U)					
3/11/2021			0.354 (U)				
3/12/2021	0 (U)	0.829 (U)		0.164 (U)			
3/16/2021					0.559 (U)		
3/17/2021						0.248 (U)	0.401 (U)
8/12/2021	0.462 (U)	0.274 (U)	0.532 (U)	0.223 (U)	0.312 (U)		
8/13/2021							0.828 (U)
8/16/2021						0.667 (U)	
1/31/2022	0.444 (U)	0.196 (U)	0.279 (U)				
2/1/2022				0.0793 (U)	0.132 (U)		
2/2/2022						0.162 (U)	0.806 (U)
8/2/2022	0.491 (U)				0.791 (U)		
8/5/2022		0.599 (U)	0.573 (U)	0.665 (U)			0.618 (U)
8/10/2022						0.601 (U)	
1/24/2023	0.391 (U)	0.856	0.19 (U)	0.331 (U)	0.529 (U)		
1/25/2023						0.419 (U)	0.513 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	0.502 (U)	0.549 (U)	0.728 (U)	0.723 (U)			
8/10/2023					0.841 (U)		
8/11/2023						0.93 (U)	1.08
2/13/2024		0.575 (U)		0.675 (U)			
2/14/2024	1.72		0.436 (U)		0.307 (U)		
2/16/2024						0.344 (U)	0.498 (U)
8/6/2024	0.973	0.501 (U)	0.0994 (U)				
8/8/2024					0.181 (U)		
8/9/2024				0.976 (U)			0.604 (U)
8/10/2024						0.817 (U)	
2/12/2025	0.876 (U)	1.33 (U)					
2/13/2025			0.518 (U)	0.0591 (U)	0.437 (U)		
2/15/2025						0.312 (U)	0.783 (U)
8/5/2025	0.323 (U)	0.832 (U)					
8/6/2025			0.639 (U)	0.501 (U)	0.0693 (U)		
8/7/2025						1.87	1.47

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/21/2025 6:02 AM

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	1.62	0.906 (U)	1.2	1.03		
10/20/2016						1.97
10/24/2016	1.01 (U)					
10/25/2016		1.03	1.11	1.07		
1/31/2017	0.976 (U)	0.868 (U)	1.45	0.588 (U)		1.03
5/23/2017	0.891 (U)					0.398 (U)
5/24/2017		0.728 (U)	0.393 (U)	0.593 (U)		
8/10/2017	0.601 (U)	1.35	0.84 (U)	0.691 (U)		0.938 (U)
11/14/2017	0.567 (U)	0.817 (U)	1.01 (U)	0.653 (U)		0.335 (U)
6/6/2018	0.836 (U)	0.559 (U)	0.365 (U)	0.939 (U)		
6/7/2018						0.696 (U)
10/2/2018		0.336 (U)	1.23	0.225 (U)		
10/3/2018	0.111 (U)					1.6 (U)
8/22/2019	0.946 (U)	0.694 (U)				0.904 (U)
8/23/2019			1.69	0.47 (U)		
10/22/2019			0.705 (U)	0.545 (U)		0.424 (U)
10/23/2019	0.571 (U)	0.584 (U)				
3/25/2020	0.403 (U)	0.663 (U)	0.673 (U)	0.508 (U)		0.915 (U)
8/26/2020						1.19
8/27/2020	0.37 (U)	0.416 (U)	0.264 (U)	0.989 (U)		
9/24/2020	0.804 (U)	1.11 (U)	0.576 (U)			
9/25/2020				0.584 (U)		
9/28/2020						0.613 (U)
3/17/2021				0.556 (U)		
3/18/2021	0.274 (U)	0.252 (U)	0.145 (U)			0.323 (U)
8/12/2021					0.124 (U)	
8/13/2021		0.513 (U)	0.815 (U)	0.794 (U)		0.228 (U)
8/16/2021	0.493 (U)					
9/27/2021					1.05 (U)	
2/2/2022	0.569 (U)		0.0564 (U)	0.542 (U)		
2/3/2022		0.835			0.499 (U)	0.5 (U)
8/5/2022	0.205 (U)	0.139 (U)	0.917 (U)	0.22 (U)	0 (U)	0.206 (U)
1/25/2023	0.568 (U)	0.432 (U)	0.71 (U)	0.195 (U)	0.595 (U)	1.44
8/11/2023	0.849 (U)	0.292 (U)	0.314 (U)	0.105 (U)	0.822 (U)	0.806 (U)
2/16/2024	0.81 (U)		0.845 (U)			
2/17/2024		0.888 (U)		0.388 (U)	0.629 (U)	0 (U)
8/9/2024	0.378 (U)					0.421 (U)
8/10/2024		0.693 (U)	0.223 (U)	0.5 (U)	0.723 (U)	
2/15/2025	0.284 (U)					
2/16/2025		0.372 (U)	0.352 (U)	0.852 (U)	0.615 (U)	0.909 (U)
8/7/2025	0.656 (U)	0.512 (U)	0.553 (U)	0.853 (U)	0.367 (U)	0.662 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			0.07 (J)	0.04 (J)	0.2 (J)		
8/31/2016						0.05 (J)	
10/20/2016			0.07 (J)			0.03 (J)	
10/24/2016				0.05 (J)	0.16 (J)		
1/25/2017			0.14 (J)	<0.1	0.15 (J)		
1/31/2017						<0.1	
5/23/2017				0.004 (J)	0.18 (J)	<0.1	
5/24/2017			0.02 (J)				
8/10/2017			0.06 (J)	0.03 (J)	0.19 (J)	<0.1	
11/13/2017			<0.1	<0.1			
11/14/2017					0.16 (J)	<0.1	
6/4/2018			0.032 (J)	<0.1			
6/5/2018					0.18 (J)		
6/6/2018						<0.1	
10/1/2018			<0.1	<0.1	0.078 (J)		
10/3/2018						<0.1	
4/1/2019			0.042 (J)				
4/2/2019				<0.1	0.18 (J)		
4/4/2019						<0.1	
8/21/2019			0.048 (J)	<0.1	0.11 (J)		
8/22/2019						<0.1	
10/21/2019			0.12 (J)				
10/22/2019				0.05 (J)	0.18 (J)		
10/23/2019						<0.1	0.22 (J)
1/3/2020							<0.1
3/4/2020							<0.1
3/24/2020			0.076 (J)	<0.1			<0.1
3/25/2020						<0.1	
4/9/2020					0.14 (J)		
6/18/2020							<0.1
7/21/2020							<0.1
8/25/2020			0.052 (J)	<0.1	0.17		
8/27/2020						<0.1	<0.1
9/18/2020	0.067 (J)	0.098 (J)	<0.1	<0.1			
9/22/2020					0.16		
9/24/2020						<0.1	<0.1
11/10/2020	0.065 (J)						
11/11/2020		0.083 (J)					
12/15/2020	0.064 (J)	0.081 (J)					
1/19/2021	0.057 (J)	0.079 (J)					
3/11/2021			0.057 (J)				
3/12/2021	0.062 (J)	0.085 (J)		<0.1			
3/16/2021					0.18		
3/17/2021						<0.1	<0.1
8/12/2021	<0.1	0.064 (J)	<0.1	<0.1	0.16		
8/13/2021							<0.1
8/16/2021						<0.1	
1/31/2022	0.053 (J)	0.072 (J)	0.055 (J)				
2/1/2022				<0.1	0.16		
2/2/2022						<0.1	<0.1
8/2/2022	0.08 (J)				0.19		
8/5/2022		0.12	0.1	0.077 (J)			0.076 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/10/2022						0.065 (J)	
1/24/2023	0.081 (J)	0.092 (J)	0.086 (J)	0.055 (J)	0.2		
1/25/2023						<0.1	<0.1
8/8/2023	0.072 (J)	0.091 (J)	0.076 (J)	0.05 (J)			
8/10/2023					0.19		
8/11/2023						<0.1	<0.1
2/13/2024		0.071 (J)		<0.1			
2/14/2024	0.23		0.081 (J)		0.18		
2/16/2024						<0.1	<0.1
8/6/2024	0.094 (J)	0.1	0.089 (J)				
8/8/2024					0.17		
8/9/2024				0.075 (J)			0.067 (J)
8/10/2024						0.068 (J)	
2/12/2025	0.099 (J)	0.1					
2/13/2025			0.093 (J)	0.067 (J)	0.2		
2/15/2025						<0.1	<0.1
8/5/2025	0.076 (J)	0.086 (J)					
8/6/2025			0.097 (J)	0.062 (J)	0.21		
8/7/2025						0.065 (J)	0.067 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.06 (J)	0.15 (J)	0.08 (J)	0.12 (J)		0.18 (J)
10/20/2016						0.12 (J)
10/24/2016	0.13 (J)					
10/25/2016		0.09 (J)	0.16 (J)	0.17 (J)		
1/31/2017	<0.1	0.13 (J)	0.16 (J)	0.05 (J)		0.3
5/23/2017	0.15 (J)					0.14 (J)
5/24/2017		0.07 (J)	0.009 (J)	0.13 (J)		
8/10/2017	<0.1	0.03 (J)	<0.1	0.12 (J)		0.11 (J)
11/14/2017	<0.1	<0.1	<0.1	<0.3		0.07 (J)
6/6/2018	<0.1	0.074 (J)	0.057 (J)	0.15 (J)		
6/7/2018						0.3
10/2/2018		<0.1	<0.1	<0.3		
10/3/2018	<0.1					0.12 (J)
4/3/2019			<0.1	0.05 (J)		
4/4/2019	0.042 (J)	0.03 (J)				
4/5/2019						0.33
6/18/2019						0.89
8/22/2019	<0.1	<0.1				0.07 (J)
8/23/2019			<0.1	0.034 (J)		
10/22/2019			0.047 (J)	0.099 (J)		0.087 (J)
10/23/2019	<0.1	<0.1				
3/25/2020	<0.1	<0.1	<0.1	0.075 (J)		0.078 (J)
8/26/2020						0.072 (J)
8/27/2020	<0.1	<0.1	<0.1	0.094 (J)		
9/24/2020	<0.1	<0.1	0.064 (J)			
9/25/2020				0.091 (J)		
9/28/2020						0.078 (J)
3/17/2021				0.089 (J)		
3/18/2021	<0.1	<0.1	<0.1			0.079 (J)
8/12/2021					<0.1	
8/13/2021		<0.1	<0.1	0.086 (J)		0.075 (J)
8/16/2021	<0.1					
9/27/2021					<0.1	
2/2/2022	<0.1		<0.1	0.086 (J)		
2/3/2022		<0.1			0.056 (J)	0.069 (J)
8/5/2022	0.071 (J)	0.075 (J)	0.093 (J)	0.14	0.12	0.12
1/25/2023	<0.1	0.051 (J)	0.054 (J)	0.12	0.085 (J)	0.095 (J)
8/11/2023	<0.1	<0.1	<0.1	0.086 (J)	0.057 (J)	0.07 (J)
2/16/2024	<0.1		<0.1			
2/17/2024		<0.1		0.094 (J)	0.055 (J)	0.068 (J)
8/9/2024	0.077 (J)					0.11
8/10/2024		0.066 (J)	0.069 (J)	0.13	0.1	
2/15/2025	<0.1					
2/16/2025		<0.1	<0.1	0.086 (J)	0.057 (J)	0.065 (J)
8/7/2025	0.076 (J)	0.065 (J)	0.065 (J)	0.13	0.098 (J)	0.11

Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			0.0001 (J)	<0.001	<0.001		
8/31/2016						<0.001	
10/20/2016			<0.001			<0.001	
10/24/2016				<0.001	<0.001		
1/25/2017			<0.001	<0.001	<0.001		
1/31/2017						<0.001	
5/23/2017				<0.001	<0.001	0.0009 (J)	
5/24/2017			<0.001				
8/10/2017			<0.001	<0.001	0.0001 (J)	<0.001	
11/13/2017			<0.001	<0.001			
11/14/2017					<0.001	<0.001	
6/4/2018			<0.001	<0.001			
6/5/2018					<0.001		
6/6/2018						<0.001	
10/1/2018			<0.001	<0.001	<0.001		
10/3/2018						<0.001	
8/21/2019			<0.001	<0.001	7.1E-05 (J)		
8/22/2019						<0.001	
10/21/2019			0.00016 (J)				
10/22/2019				<0.001	7.3E-05 (J)		
10/23/2019						<0.001	<0.001
1/3/2020							<0.001
3/4/2020							0.00011 (J)
3/24/2020			0.00058 (J)	0.00016 (J)			<0.001
3/25/2020						<0.001	
4/9/2020					0.00039 (J)		
6/18/2020							<0.001
7/21/2020							<0.001
8/25/2020			0.00036 (J)	0.00011 (J)	0.00022 (J)		
8/27/2020						<0.001	<0.001
9/18/2020	<0.001	<0.001	0.00026 (J)	6.5E-05 (J)			
9/22/2020					0.00096 (J)		
9/24/2020						<0.001	<0.001
11/10/2020	<0.001						
11/11/2020		<0.001					
12/15/2020	<0.001	0.00015 (J)					
1/19/2021	3.8E-05 (J)	5.6E-05 (J)					
3/11/2021			0.0011				
3/12/2021	<0.001	4.8E-05 (J)		0.00017 (J)			
3/16/2021					0.0016		
3/17/2021						<0.001	<0.001
8/12/2021	<0.001	<0.001	<0.001	<0.001	<0.001		
8/13/2021							<0.001
8/16/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001				
2/1/2022				<0.001	<0.001		
2/2/2022						<0.001	<0.001
8/2/2022	<0.001				<0.001		
8/5/2022		<0.001	<0.001	<0.001			<0.001
8/10/2022						<0.001	
1/24/2023	<0.001	<0.001	<0.001	<0.001	<0.001		
1/25/2023						<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	<0.001	<0.001	<0.001	<0.001			
8/10/2023					<0.001		
8/11/2023						<0.001	<0.001
2/13/2024		<0.001		<0.001			
2/14/2024	0.00021 (J)		<0.001		<0.001		
2/16/2024						<0.001	<0.001
8/6/2024	<0.001	<0.001	<0.001				
8/8/2024					<0.001		
8/9/2024				<0.001			<0.001
8/10/2024						<0.001	
2/12/2025	<0.001	<0.001					
2/13/2025			<0.001	<0.001	<0.001		
2/15/2025						<0.001	<0.001
8/5/2025	<0.001	<0.001					
8/6/2025			<0.001	<0.001	<0.001		
8/7/2025						<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.001	<0.001	<0.001	<0.001		<0.001
10/20/2016						<0.001
10/24/2016	<0.001					
10/25/2016		<0.001	<0.001	<0.001		
1/31/2017	<0.001	<0.001	<0.001	<0.001		<0.001
5/23/2017	<0.001					<0.001
5/24/2017		<0.001	<0.001	<0.001		
8/10/2017	<0.001	<0.001	<0.001	<0.001		<0.001
11/14/2017	<0.001	<0.001	<0.001	<0.001		<0.001
6/6/2018	<0.001	<0.001	<0.001	<0.001		
6/7/2018						<0.001
10/2/2018		<0.001	<0.001	<0.001		
10/3/2018	<0.001					<0.001
8/22/2019	<0.001	<0.001				<0.001
8/23/2019			<0.001	5.8E-05 (J)		
10/22/2019			7.9E-05 (J)	5.4E-05 (J)		0.00025 (J)
10/23/2019	0.00043 (J)	6.8E-05 (J)				
3/25/2020	7.6E-05 (J)	8.5E-05 (J)	0.00021 (J)	<0.001		0.0001 (J)
8/26/2020						0.00036 (J)
8/27/2020	0.00018 (J)	<0.001	<0.001	<0.001		
9/24/2020	0.00028 (J)	4.9E-05 (J)	0.00034 (J)			
9/25/2020				<0.001		
9/28/2020						0.00022 (J)
3/17/2021				<0.001		
3/18/2021	0.00024 (J)	5.8E-05 (J)	9.1E-05 (J)			0.00088 (J)
8/12/2021					<0.001	
8/13/2021		<0.001	<0.001	<0.001		<0.001
8/16/2021	<0.001					
9/27/2021					<0.001	
2/2/2022	<0.001		<0.001	<0.001		
2/3/2022		<0.001			<0.001	<0.001
8/5/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/25/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/11/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2024	0.00027 (J)		<0.001			
2/17/2024		<0.001		<0.001	<0.001	<0.001
8/9/2024	<0.001					<0.001
8/10/2024		<0.001	<0.001	<0.001	<0.001	
2/15/2025	<0.001					
2/16/2025		<0.001	<0.001	<0.001	<0.001	<0.001
8/7/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			0.0022 (J)	<0.002	<0.002		
8/31/2016						<0.002	
10/20/2016			<0.002			<0.002	
10/24/2016				<0.002	<0.002		
1/25/2017			<0.002	<0.002	<0.002		
1/31/2017						<0.002	
5/23/2017				<0.002	0.0011 (J)	<0.002	
5/24/2017			0.0017 (J)				
8/10/2017			0.0017 (J)	<0.002	<0.002	<0.002	
11/13/2017			<0.002	<0.002			
11/14/2017					<0.002	<0.002	
6/4/2018			0.0016 (J)	<0.002			
6/5/2018					0.001 (J)		
6/6/2018						<0.002	
10/1/2018			<0.002	<0.002	0.001 (J)		
10/3/2018						<0.002	
8/21/2019			0.0018 (J)	<0.002	0.0011 (J)		
8/22/2019						<0.002	
10/21/2019			0.0026 (J)				
10/22/2019				<0.002	0.0011 (J)		
10/23/2019						<0.002	0.0012 (J)
1/3/2020							0.0011 (J)
3/4/2020							0.0013 (J)
3/24/2020			0.0039 (J)	<0.002			0.00084 (J)
3/25/2020						<0.002	
4/9/2020					0.0017 (J)		
6/18/2020							0.0013 (J)
7/21/2020							0.0013 (J)
8/25/2020			0.0033 (J)	<0.002	0.0014 (J)		
8/27/2020						<0.002	0.0011 (J)
9/18/2020	0.0026 (J)	0.0051 (J)	0.0021 (J)	<0.002			
9/22/2020					0.0018 (J)		
9/24/2020						<0.002	0.0011 (J)
11/10/2020	0.0028 (J)						
11/11/2020		0.0036 (J)					
12/15/2020	0.0026 (J)	0.0045 (J)					
1/19/2021	0.003 (J)	0.0032 (J)					
3/11/2021			0.0047 (J)				
3/12/2021	0.0031 (J)	0.0031 (J)		<0.002			
3/16/2021					0.0026 (J)		
3/17/2021						<0.002	0.0012 (J)
8/12/2021	0.0029 (J)	0.0037 (J)	0.002 (J)	<0.002	0.00094 (J)		
8/13/2021							0.0011 (J)
8/16/2021						<0.002	
1/31/2022	0.0031 (J)	0.0034 (J)	0.0026 (J)				
2/1/2022				<0.002	0.0011 (J)		
2/2/2022						<0.002	0.0013 (J)
8/2/2022	0.0026 (J)				0.00089 (J)		
8/5/2022		0.0036 (J)	0.0019 (J)	<0.002			0.0013 (J)
8/10/2022						<0.002	
1/24/2023	0.0029 (J)	0.0046 (J)	0.0023 (J)	<0.002	0.00091 (J)		
1/25/2023						<0.002	0.001 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	0.0029 (J)	0.004 (J)	0.0018 (J)	<0.002			
8/10/2023					0.001 (J)		
8/11/2023						<0.002	0.0013 (J)
2/13/2024		0.006 (J)		<0.002			
2/14/2024	<0.002		0.002 (J)		<0.002		
2/16/2024						<0.002	<0.002
8/6/2024	0.0026 (J)	0.0042 (J)	0.0019 (J)				
8/8/2024					<0.002		
8/9/2024				<0.002			<0.002
8/10/2024						<0.002	
2/12/2025	0.00358 (J)	0.00628 (J)					
2/13/2025			0.0025 (J)	0.000808 (J)	0.00128 (J)		
2/15/2025						0.000781 (J)	0.00139 (J)
8/5/2025	0.00341	0.00583					
8/6/2025			0.00256	<0.002	0.00105 (J)		
8/7/2025						<0.002	0.00119 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.002	0.0034 (J)	<0.002	<0.002		<0.002
10/20/2016						<0.002
10/24/2016	<0.002					
10/25/2016		0.0043 (J)	<0.002	<0.002		
1/31/2017	<0.002	0.0042 (J)	<0.002	<0.002		<0.002
5/23/2017	0.0012 (J)					0.0012 (J)
5/24/2017		0.0039 (J)	<0.002	0.0012 (J)		
8/10/2017	0.0016 (J)	0.004 (J)	<0.002	<0.002		<0.002
11/14/2017	0.0015 (J)	0.0044 (J)	<0.002	<0.002		<0.002
6/6/2018	0.0017 (J)	0.0041 (J)	0.00099 (J)	0.0013 (J)		
6/7/2018						0.0015 (J)
10/2/2018		0.0041 (J)	<0.002	0.0013 (J)		
10/3/2018	0.0016 (J)					<0.002
8/22/2019	0.0015 (J)	0.004 (J)				0.0018 (J)
8/23/2019			0.00092 (J)	0.0009 (J)		
10/22/2019			0.00094 (J)	0.00088 (J)		0.0027 (J)
10/23/2019	0.002 (J)	0.0039 (J)				
3/25/2020	0.0016 (J)	0.0041 (J)	0.00091 (J)	<0.002		0.0017 (J)
8/26/2020						0.0028 (J)
8/27/2020	0.0016 (J)	0.0037 (J)	<0.002	0.0011 (J)		
9/24/2020	0.0017 (J)	0.0038 (J)	0.00098 (J)			
9/25/2020				0.001 (J)		
9/28/2020						0.0022 (J)
3/17/2021				<0.002		
3/18/2021	0.0018 (J)	0.0042 (J)	0.0011 (J)			0.0029 (J)
8/12/2021					0.0036 (J)	
8/13/2021		0.0038 (J)	0.00084 (J)	<0.002		0.0017 (J)
8/16/2021	0.0016 (J)					
9/27/2021					0.0035 (J)	
2/2/2022	0.0019 (J)		0.001 (J)	0.00084 (J)		
2/3/2022		0.0046 (J)			0.0051 (J)	0.0015 (J)
8/5/2022	0.0014 (J)	0.0039 (J)	0.00082 (J)	0.00087 (J)	0.0038 (J)	0.0018 (J)
1/25/2023	0.0012 (J)	0.0038 (J)	0.00081 (J)	<0.002	0.0037 (J)	0.001 (J)
8/11/2023	0.0014 (J)	0.0044 (J)	0.00083 (J)	0.00076 (J)	0.0041 (J)	0.0023 (J)
2/16/2024	<0.002		<0.002			
2/17/2024		0.0041 (J)		<0.002	0.0038 (J)	<0.002
8/9/2024	<0.002					0.0019 (J)
8/10/2024		0.0047 (J)	<0.002	<0.002	0.0041 (J)	
2/15/2025	0.00158 (J)					
2/16/2025		0.0057 (J)	0.00113 (J)	0.000977 (J)	0.00512 (J)	0.00215 (J)
8/7/2025	0.00132 (J)	0.00523	0.000872 (J)	0.000689 (J)	0.0046	0.00204

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			4E-05 (J)	4.1E-05 (J)	4E-05 (J)		
8/31/2016						<0.0002	
10/20/2016			<0.0002			<0.0002	
10/24/2016				<0.0002	<0.0002		
1/25/2017			4E-05 (J)	4E-05 (J)	4E-05 (J)		
1/31/2017						9.3E-05 (J)	
5/23/2017				<0.0002	<0.0002	<0.0002	
5/24/2017			<0.0002				
8/10/2017			<0.0002	<0.0002	<0.0002	<0.0002	
11/13/2017			<0.0002	<0.0002			
11/14/2017					<0.0002	<0.0002	
6/4/2018			<0.0002	<0.0002			
6/5/2018					<0.0002		
6/6/2018						<0.0002	
10/1/2018			4.3E-05 (J)	3.9E-05 (J)	4.3E-05 (J)		
10/3/2018						<0.0002	
8/21/2019			<0.0002	<0.0002	<0.0002		
8/22/2019						<0.0002	
10/23/2019							<0.0002
1/3/2020							<0.0002
3/4/2020							<0.0002
3/24/2020							<0.0002
6/18/2020							<0.0002
7/21/2020							<0.0002
8/25/2020			<0.0002	<0.0002	<0.0002		
8/27/2020						<0.0002	<0.0002
9/18/2020	<0.0002	<0.0002					
9/24/2020							<0.0002
11/10/2020	<0.0002						
11/11/2020		<0.0002					
12/15/2020	<0.0002	<0.0002					
1/19/2021	<0.0002	<0.0002					
8/12/2021	8.1E-05 (J)	0.00018 (J)	<0.0002	0.00011 (J)	<0.0002		
8/13/2021							0.0001 (J)
8/16/2021						9.9E-05 (J)	
1/31/2022	<0.0002	<0.0002	<0.0002				
2/1/2022				<0.0002	<0.0002		
2/2/2022						<0.0002	<0.0002
8/2/2022	<0.0002				<0.0002		
8/5/2022		<0.0002	<0.0002	<0.0002			<0.0002
8/10/2022						<0.0002	
1/24/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
1/25/2023						<0.0002	<0.0002
8/8/2023	<0.0002	<0.0002	<0.0002	<0.0002			
8/10/2023					<0.0002		
8/11/2023						<0.0002	<0.0002
2/13/2024		<0.0002		<0.0002			
2/14/2024	<0.0002		<0.0002		<0.0002		
2/16/2024						<0.0002	<0.0002
8/6/2024	<0.0002	<0.0002	<0.0002				
8/8/2024					<0.0002		
8/9/2024				<0.0002			<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/10/2024						<0.0002	
2/12/2025	<0.0002	<0.0002					
2/13/2025			<0.0002	<0.0002	<0.0002		
2/15/2025						<0.0002	<0.0002
8/5/2025	<0.0002	<0.0002					
8/6/2025			<0.0002	<0.0002	<0.0002		
8/7/2025						<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/20/2016						<0.0002
10/24/2016	<0.0002					
10/25/2016		<0.0002	<0.0002	<0.0002		
1/31/2017	8E-05 (J)	<0.0002	<0.0002	8E-05 (J)		9E-05 (J)
5/23/2017	<0.0002					<0.0002
5/24/2017		<0.0002	<0.0002	<0.0002		
8/10/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
11/14/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
6/6/2018	<0.0002	<0.0002	<0.0002	<0.0002		
6/7/2018						<0.0002
10/2/2018		<0.0002	<0.0002	<0.0002		
10/3/2018	<0.0002					<0.0002
8/22/2019	<0.0002	<0.0002				<0.0002
8/23/2019			<0.0002	<0.0002		
8/26/2020						<0.0002
8/27/2020	<0.0002	<0.0002	<0.0002	<0.0002		
8/12/2021					9.4E-05 (J)	
8/13/2021		0.00022	8.4E-05 (J)	8E-05 (J)		8.1E-05 (J)
8/16/2021	0.00027					
9/27/2021					<0.0002	
2/2/2022	<0.0002		<0.0002	<0.0002		
2/3/2022		<0.0002			<0.0002	<0.0002
8/5/2022	0.00017 (J)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/25/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/11/2023	0.00025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/16/2024	<0.0002		<0.0002			
2/17/2024		<0.0002		<0.0002	<0.0002	<0.0002
8/9/2024	<0.0002					<0.0002
8/10/2024		<0.0002	<0.0002	<0.0002	<0.0002	
2/15/2025	0.00014 (J)					
2/16/2025		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/7/2025	0.00035	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/21/2025 6:02 AM

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.01	<0.01	<0.01		
8/31/2016						<0.01	
10/20/2016			<0.01			<0.01	
10/24/2016				<0.01	<0.01		
1/25/2017			<0.01	<0.01	<0.01		
1/31/2017						<0.01	
5/23/2017				<0.01	<0.01	<0.01	
5/24/2017			<0.01				
8/10/2017			<0.01	<0.01	<0.01	<0.01	
11/13/2017			<0.01	<0.01			
11/14/2017					<0.01	<0.01	
6/4/2018			<0.01	<0.01			
6/5/2018					<0.01		
6/6/2018						<0.01	
10/1/2018			<0.01	<0.01	<0.01		
10/3/2018						<0.01	
8/21/2019			<0.01	<0.01	<0.01		
8/22/2019						<0.01	
10/23/2019							<0.01
1/3/2020							<0.01
3/4/2020							<0.01
3/24/2020							<0.01
6/18/2020							<0.01
7/21/2020							<0.01
8/25/2020			<0.01	<0.01	<0.01		
8/27/2020						<0.01	<0.01
9/18/2020	0.0015 (J)	0.0026 (J)					
9/24/2020							<0.01
11/10/2020	<0.01						
11/11/2020		0.0012 (J)					
12/15/2020	<0.01	0.00097 (J)					
1/19/2021	<0.01	0.0018 (J)					
8/12/2021	<0.01	0.0019 (J)	<0.01	<0.01	<0.01		
8/13/2021							<0.01
8/16/2021						<0.01	
1/31/2022	<0.01	0.002 (J)	<0.01				
2/1/2022				<0.01	<0.01		
2/2/2022						<0.01	<0.01
8/2/2022	<0.01				<0.01		
8/5/2022		0.0012 (J)	<0.01	<0.01			<0.01
8/10/2022						<0.01	
1/24/2023	<0.01	0.00086 (J)	<0.01	<0.01	<0.01		
1/25/2023						<0.01	<0.01
8/8/2023	<0.01	0.00092 (J)	<0.01	<0.01			
8/10/2023					<0.01		
8/11/2023						<0.01	<0.01
2/13/2024		0.00068 (J)		<0.01			
2/14/2024	0.003 (J)		<0.01		<0.01		
2/16/2024						<0.01	<0.01
8/6/2024	<0.01	0.00071 (J)	<0.01				
8/8/2024					<0.01		
8/9/2024				<0.01			<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/10/2024						<0.01	
2/12/2025	<0.01	<0.01					
2/13/2025			<0.01	<0.01	<0.01		
2/15/2025						<0.01	<0.01
8/5/2025	<0.01	<0.01					
8/6/2025			<0.01	<0.01	<0.01		
8/7/2025						<0.01	<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/21/2025 6:02 AM

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.01	<0.01	<0.01	<0.01		<0.01
10/20/2016						<0.01
10/24/2016	<0.01					
10/25/2016		<0.01	<0.01	<0.01		
1/31/2017	<0.01	<0.01	<0.01	<0.01		<0.01
5/23/2017	<0.01					<0.01
5/24/2017		<0.01	<0.01	<0.01		
8/10/2017	<0.01	<0.01	<0.01	<0.01		<0.01
11/14/2017	<0.01	<0.01	<0.01	<0.01		<0.01
6/6/2018	<0.01	<0.01	<0.01	<0.01		
6/7/2018						<0.01
10/2/2018		<0.01	<0.01	<0.01		
10/3/2018	<0.01					<0.01
8/22/2019	<0.01	<0.01				<0.01
8/23/2019			<0.01	<0.01		
8/26/2020						<0.01
8/27/2020	<0.01	<0.01	<0.01	<0.01		
8/12/2021					<0.01	
8/13/2021		<0.01	<0.01	<0.01		<0.01
8/16/2021	<0.01					
9/27/2021					<0.01	
2/2/2022	<0.01		<0.01	<0.01		
2/3/2022		<0.01			<0.01	<0.01
8/5/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/25/2023	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/11/2023	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/16/2024	<0.01		<0.01			
2/17/2024		<0.01		<0.01	<0.01	<0.01
8/9/2024	<0.01					<0.01
8/10/2024		<0.01	<0.01	<0.01	<0.01	
2/15/2025	<0.01					
2/16/2025		<0.01	<0.01	<0.01	<0.01	<0.01
8/7/2025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: pH, Field (SU) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			6.89	5.77	5.99		
8/31/2016						5.35	
10/20/2016			6.73			5.3	
10/24/2016				5.61	5.84		
1/25/2017			7.02	5.68	6.04		
1/31/2017						5.24	
5/23/2017				5.7	6.01	5.39	
5/24/2017			6.44				
8/10/2017			6.79	5.59	5.98	5.47	
11/13/2017			5.94	5.56			
11/14/2017					6.16	5.4	
6/4/2018			6.12	5.62			
6/5/2018					5.86		
6/6/2018						5.37	
10/1/2018			5.92	5.62	5.94		
10/3/2018						5.39	
4/1/2019			7.09				
4/2/2019				5.47	6		
4/4/2019						5.31	
6/18/2019						5.3	
8/21/2019			6.6	5.8	6.05		
8/22/2019						5.39	
10/21/2019			7.02				
10/22/2019				5.7	5.98		
10/23/2019						5.33	5.68
1/3/2020							5.64
1/22/2020							5.66
3/4/2020							5.75
3/24/2020			7.37	5.64	6.03		5.58
3/25/2020						5.53	
4/9/2020					6.08		
6/18/2020							5.67
7/21/2020							5.72
8/25/2020			6.7	5.53	5.95		
8/27/2020						5.32	5.7
9/18/2020	7.54	7.5	6.46	5.58			
9/22/2020					6.11		
9/24/2020						5.48	5.82
11/10/2020	7.34						
11/11/2020		7.4					
12/15/2020	7.27	7.39					
1/19/2021	7.32	7.4					
3/11/2021			7.2				
3/12/2021	7.52	7.51		5.6			
3/16/2021					6.14		
3/17/2021						5.41	5.78
8/12/2021	7.38	7.44	6.67	5.5	6.08		
8/13/2021							5.46
8/16/2021						5.4	
1/31/2022	7.34	7.44	7.17				
2/1/2022				5.59	6.05		
2/2/2022						5.51	5.79

Time Series

Constituent: pH, Field (SU) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/2/2022	7.34				6.08		
8/5/2022		7.4	6.97	5.43			5.69
8/10/2022						5.37	
1/24/2023	7.38	7.46	7.11	5.67	6.15		
1/25/2023						5.47	5.77
8/8/2023	7.27	7.37	7.01	5.77			
8/10/2023					6.07		
8/11/2023						5.44	5.79
2/13/2024		7.59		5.64			
2/14/2024	7.93		7		6.24		
2/16/2024						5.47	5.88
8/6/2024	7.46	7.4	6.99				
8/8/2024					5.98		
8/9/2024				5.65			5.86
8/10/2024						5.38	
2/12/2025	7.4	7.48					
2/13/2025			6.92	5.64	6.15		
2/15/2025						5.5	5.9
8/5/2025	7.35	7.41					
8/6/2025			7.03	5.52	6.01		
8/7/2025						5.39	5.84

Time Series

Constituent: pH, Field (SU) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	5.54	6.5	6.11	6.78		7.03
10/20/2016						7.01
10/24/2016	5.48					
10/25/2016		6.34	6.04	6.55		
1/31/2017	5.51	6.43	5.94	6.5		6.96
5/23/2017	5.98					6.92
5/24/2017		6.31	6.06	6.42		
8/10/2017	5.63	6.45	6.06	6.63		6.99
11/14/2017	5.59	6.53	5.99	6.5		6.9
6/6/2018	5.49	6.49	6	6.59		
6/7/2018						7.03
10/2/2018		6.18	6.18	6.54		
10/3/2018	5.53					7.08
4/3/2019			6.06	6.42		
4/4/2019	5.44	6.17				
4/5/2019						6.96
6/17/2019	5.53	6.55	6.16	6.6		
6/18/2019						6.85
8/22/2019	5.55	6.04				6.93
8/23/2019			6.26	6.76		
10/22/2019			6.19	6.58		7.03
10/23/2019	5.49	6.46				
3/25/2020	5.49	6.47	6.13	6.56		6.89
8/26/2020						6.97
8/27/2020	5.82	6.45	6.09	6.64		
9/24/2020	5.6	6.63	6.11			
9/25/2020				6.79		
9/28/2020						7.03
3/17/2021				6.55		
3/18/2021	5.51	6.57	6.2			7.11
8/12/2021					6.27	
8/13/2021		6.44	6.11	6.71		6.78
8/16/2021	5.59					
9/27/2021					6.14	
2/2/2022	5.63		6.14	6.65		
2/3/2022		6.48			6.58	6.79
8/5/2022	5.71	6.46	6.07	6.81	6.44	7.07
1/25/2023	5.65	6.41	6.13	6.66	6.53	6.67
8/11/2023	5.8	6.47	6.16	6.8	7.09	7.49
2/16/2024	5.74		6.27			
2/17/2024		6.46		6.88	6.7	6.94
8/9/2024	5.74					7.07
8/10/2024		6.38	6.22	7.03	6.61	
2/15/2025	5.73					
2/16/2025		6.46	6.27	6.82	7.03	7.12
8/7/2025	5.87	6.35	6.1	6.79	6.63	6.98

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.005	<0.005	0.0027 (J)		
8/31/2016						<0.005	
10/20/2016			<0.005			<0.005	
10/24/2016				<0.005	0.0034 (J)		
1/25/2017			<0.005	<0.005	0.0023 (J)		
1/31/2017						<0.005	
5/23/2017				<0.005	0.0024 (J)	<0.005	
5/24/2017			<0.005				
8/10/2017			<0.005	<0.005	0.0023 (J)	<0.005	
11/13/2017			<0.005	<0.005			
11/14/2017					<0.005	<0.005	
6/4/2018			<0.005	<0.005			
6/5/2018					0.0019 (J)		
6/6/2018						<0.005	
10/1/2018			<0.005	<0.005	0.0024 (J)		
10/3/2018						<0.005	
8/21/2019			<0.005	<0.005	0.0025 (J)		
8/22/2019						<0.005	
10/23/2019							<0.005
1/3/2020							0.0015 (J)
3/4/2020							<0.005
3/24/2020							<0.005
6/18/2020							<0.005
7/21/2020							<0.005
8/25/2020			<0.005	<0.005	<0.005		
8/27/2020						<0.005	<0.005
9/18/2020	<0.005	<0.005					
9/24/2020							<0.005
11/10/2020	<0.005						
11/11/2020		<0.005					
12/15/2020	<0.005	<0.005					
1/19/2021	<0.005	<0.005					
8/12/2021	<0.005	<0.005	<0.005	<0.005	0.0023 (J)		
8/13/2021							<0.005
8/16/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005				
2/1/2022				<0.005	0.0022 (J)		
2/2/2022						<0.005	<0.005
8/2/2022	<0.005				0.0034 (J)		
8/5/2022		<0.005	<0.005	<0.005			<0.005
8/10/2022						<0.005	
1/24/2023	<0.005	<0.005	<0.005	<0.005	0.0025 (J)		
1/25/2023						<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005	<0.005			
8/10/2023					0.0027 (J)		
8/11/2023						<0.005	<0.005
2/13/2024		<0.005		<0.005			
2/14/2024	<0.005		<0.005		0.0024 (J)		
2/16/2024						<0.005	<0.005
8/6/2024	<0.005	<0.005	<0.005				
8/8/2024					0.0025 (J)		
8/9/2024				<0.005			<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/10/2024						<0.005	
2/12/2025	<0.005	<0.005					
2/13/2025			<0.005	<0.005	0.0027 (J)		
2/15/2025						<0.005	<0.005
8/5/2025	<0.005	<0.005					
8/6/2025			<0.005	<0.005	0.0033 (J)		
8/7/2025						<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.005	<0.005	<0.005	<0.005		<0.005
10/20/2016						<0.005
10/24/2016	<0.005					
10/25/2016		<0.005	<0.005	<0.005		
1/31/2017	<0.005	<0.005	<0.005	<0.005		<0.005
5/23/2017	<0.005					<0.005
5/24/2017		<0.005	<0.005	<0.005		
8/10/2017	<0.005	<0.005	<0.005	<0.005		<0.005
11/14/2017	<0.005	<0.005	<0.005	<0.005		<0.005
6/6/2018	<0.005	<0.005	<0.005	<0.005		
6/7/2018						<0.005
10/2/2018		<0.005	<0.005	<0.005		
10/3/2018	<0.005					<0.005
8/22/2019	<0.005	<0.005				<0.005
8/23/2019			<0.005	<0.005		
8/26/2020						<0.005
8/27/2020	<0.005	<0.005	<0.005	<0.005		
8/12/2021					<0.005	
8/13/2021		<0.005	<0.005	<0.005		<0.005
8/16/2021	<0.005					
9/27/2021					<0.005	
2/2/2022	<0.005		<0.005	<0.005		
2/3/2022		<0.005			<0.005	<0.005
8/5/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/25/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/11/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2024	<0.005		<0.005			
2/17/2024		<0.005		<0.005	<0.005	<0.005
8/9/2024	<0.005					<0.005
8/10/2024		<0.005	<0.005	<0.005	<0.005	
2/15/2025	<0.005					
2/16/2025		0.0049 (J)	<0.005	<0.005	<0.005	<0.005
8/7/2025	0.0019 (J)	0.0017 (J)	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			1.6	0.63 (J)	14		
8/31/2016						110	
10/20/2016			1.6			110	
10/24/2016				0.62 (J)	11		
1/25/2017			1.6	0.62 (J)	12		
1/31/2017						120	
5/23/2017				0.55 (J)	12	97	
5/24/2017			1.4				
8/10/2017			1.6	0.66 (J)	11	96	
11/13/2017			1.3	0.61 (J)			
11/14/2017					11	110	
6/4/2018			1.4	0.73 (J)			
6/5/2018					9.9		
6/6/2018						95.5	
10/1/2018			1	0.52 (J)	6.7		
10/3/2018						121	
4/1/2019			1.7				
4/2/2019				0.78 (J)	8.7		
4/4/2019						95.1	
6/18/2019						102	
10/21/2019			1.8				
10/22/2019				0.6 (J)	6.8		
10/23/2019						101	<1
1/3/2020							380
3/4/2020							400
3/24/2020			1.6	<1			311
3/25/2020						85.5	
4/9/2020					6.6		
6/18/2020							349
7/21/2020							378
8/27/2020							382
9/18/2020	3.5	9.5	1	<1			
9/22/2020					5.3		
9/24/2020						97	370
11/10/2020	2.3						
11/11/2020		4.5					
12/15/2020	2.4	4.2					
1/19/2021	2.6	3.9					
3/11/2021			1.5				
3/12/2021	1.9	4.7		0.52 (J)			
3/16/2021					7.7		
3/17/2021						107	332
8/12/2021	1.4	4.3	1.3	<1	10		
8/13/2021							248
8/16/2021						72.1	
1/31/2022	1.7	5.6	1.5				
2/1/2022				0.5 (J)	8.9		
2/2/2022						100	303
8/2/2022	2.1				7.5		
8/5/2022		3.4	1.4	<1			358
8/10/2022						99.5	
1/24/2023	2.2	2.9	1.9	0.81 (J)	6.6		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
1/25/2023						95	348
8/8/2023	2	2.9	1.5	0.71 (J)			
8/10/2023					5.1		
8/11/2023						102	370
2/13/2024		2.8		0.51 (J)			
2/14/2024	19.7		1.2		4.9		
2/16/2024						110	363
8/6/2024	2.3	2.7	1.3				
8/8/2024					4.6		
8/9/2024				0.76 (J)			359
8/10/2024						104	
2/12/2025	2	2.2					
2/13/2025			1.1	<1	4.4		
2/15/2025						98.7	357
8/5/2025	2.2	2.7					
8/6/2025			1.3	<1	4.9		
8/7/2025						83.9	336

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	280	190	130	36		88
10/20/2016						81
10/24/2016	280					
10/25/2016		190	130	41		
1/31/2017	300	210	130	37		87
5/23/2017	340					84
5/24/2017		180	130	40		
8/10/2017	300	180	130	40		78
11/14/2017	310	170	130	40		79
6/6/2018	351	168	132	49.7		
6/7/2018						60.1
10/2/2018		173	132	42.3		
10/3/2018	381					91.5
4/3/2019			139	36		
4/4/2019	358	185				
4/5/2019						75.1
6/17/2019	311	162	126	30.9		
6/18/2019						77
10/22/2019			123	23.2		80.9
10/23/2019	248	162				
3/25/2020	251	161	116	27.9		78.4
9/24/2020	293	177	126			
9/25/2020				24.7		
9/28/2020						86
3/17/2021				28.3		
3/18/2021	286	196	128			87.8
8/12/2021					64.6	
8/13/2021		142	112	24.4		75.1
8/16/2021	354					
9/27/2021					69.7	
2/2/2022	293		111	25.5		
2/3/2022		195			72.9	72.7
8/5/2022	369	217	120	23	76.1	69.8
1/25/2023	342	230	128	25.4	72.9	73
8/11/2023	382	237	113	19.8	67.7	64.9
2/16/2024	323		130			
2/17/2024		251		22	72.7	69.7
8/9/2024	393					66.5
8/10/2024		258	114	19.7	72.6	
2/15/2025	425					
2/16/2025		271	110	20.8	69.8	66.8
8/7/2025	443	235	95.5	19.6	75.5	67.9

Time Series

Constituent: TDS (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/8/2023	214	220	207	57			
8/10/2023					80		
8/11/2023						250	785
2/13/2024		242		73			
2/14/2024	147		187		93		
2/16/2024						222	718
8/6/2024	253	240	163				
8/8/2024					85		
8/9/2024				90			746
8/10/2024						263	
2/12/2025	229	222					
2/13/2025			172	63	90		
2/15/2025						241	782
8/5/2025	224	229					
8/6/2025			194	69	91		
8/7/2025						223	920

Time Series

Constituent: TDS (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	483	389	235	182		373
10/20/2016						305
10/24/2016	517					
10/25/2016		316	223	172		
1/31/2017	516	437	346	252		361
5/23/2017	637					359
5/24/2017		352	234	184		
8/10/2017	459	356	254	208		325
11/14/2017	545	375	313	252		373
6/6/2018	559	385	278	224		
6/7/2018						338
10/2/2018		374	274	230		
10/3/2018	582					328
4/3/2019			273	210		
4/4/2019	535	340				
4/5/2019						308
6/17/2019	515	370	272			
6/18/2019						215
10/22/2019			308	212		354
10/23/2019	507	419				
3/25/2020	507	417	297	213		347
9/24/2020	517	411	253			
9/25/2020				188		
9/28/2020						332
3/17/2021				171		
3/18/2021	465	410	255			328
8/12/2021					256	
8/13/2021		441	291	189		336
8/16/2021	672					
9/27/2021					223	
2/2/2022	576		271	206		
2/3/2022		463			264	316
8/5/2022	692	514	274	195	270	329
1/25/2023	630	537	304	214	289	337
8/11/2023	808	630	296	205	280	346
2/16/2024	640		325			
2/17/2024		716		265	329	424
8/9/2024	809					338
8/10/2024		658	299	227	284	
2/15/2025	866					
2/16/2025		704	275	187	284	323
8/7/2025	1180	744	296	206	286	331

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/21/2025 6:02 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/30/2016			<0.0005	<0.0005	<0.0005		
8/31/2016						<0.0005	
10/20/2016			<0.0005			<0.0005	
10/24/2016				<0.0005	<0.0005		
1/25/2017			<0.0005	<0.0005	<0.0005		
1/31/2017						<0.0005	
5/23/2017				<0.0005	<0.0005	<0.0005	
5/24/2017			<0.0005				
8/10/2017			<0.0005	<0.0005	<0.0005	<0.0005	
11/13/2017			<0.0005	<0.0005			
11/14/2017					<0.0005	<0.0005	
6/4/2018			<0.0005	<0.0005			
6/5/2018					<0.0005		
6/6/2018						<0.0005	
10/1/2018			<0.0005	<0.0005	<0.0005		
10/3/2018						<0.0005	
8/21/2019			<0.0005	<0.0005	<0.0005		
8/22/2019						<0.0005	
10/23/2019							<0.0005
1/3/2020							8E-05 (J)
3/4/2020							<0.0005
3/24/2020							<0.0005
6/18/2020							<0.0005
7/21/2020							<0.0005
8/25/2020			<0.0005	<0.0005	<0.0005		
8/27/2020						<0.0005	<0.0005
9/18/2020	<0.0005	<0.0005					
9/24/2020							<0.0005
11/10/2020	<0.0005						
11/11/2020		<0.0005					
12/15/2020	<0.0005	<0.0005					
1/19/2021	<0.0005	<0.0005					
8/12/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/13/2021							<0.0005
8/16/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	<0.0005				
2/1/2022				<0.0005	<0.0005		
2/2/2022						<0.0005	<0.0005
8/2/2022	<0.0005				<0.0005		
8/5/2022		<0.0005	<0.0005	<0.0005			<0.0005
8/10/2022						<0.0005	
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
1/25/2023						<0.0005	<0.0005
8/8/2023	<0.0005	<0.0005	<0.0005	<0.0005			
8/10/2023					<0.0005		
8/11/2023						<0.0005	<0.0005
2/13/2024		<0.0005		<0.0005			
2/14/2024	<0.0005		<0.0005		<0.0005		
2/16/2024						<0.0005	<0.0005
8/6/2024	<0.0005	<0.0005	<0.0005				
8/8/2024					<0.0005		
8/9/2024				<0.0005			<0.0005

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-47 (bg)	HGWA-48D (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-101	HGWC-102
8/10/2024						<0.0005	
2/12/2025	<0.0005	<0.0005					
2/13/2025			<0.0005	<0.0005	<0.0005		
2/15/2025						<0.0005	<0.0005
8/5/2025	<0.0005	<0.0005					
8/6/2025			<0.0005	<0.0005	<0.0005		
8/7/2025						<0.0005	<0.0005

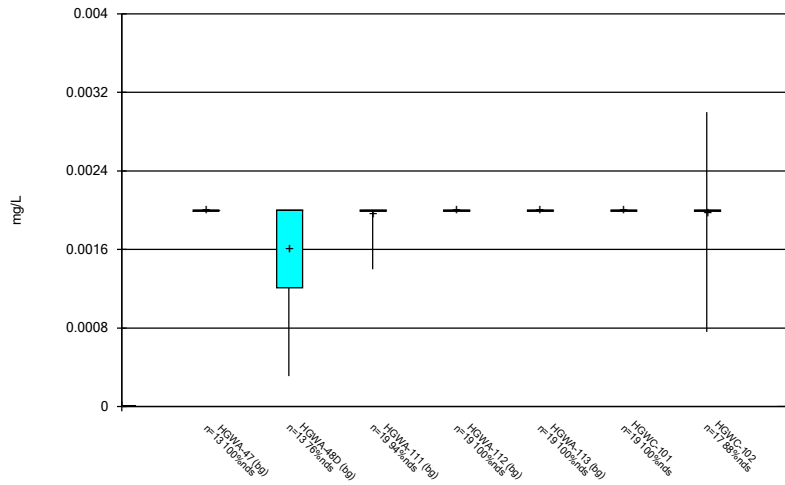
Time Series

Constituent: Thallium (mg/L) Analysis Run 10/21/2025 6:02 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
10/20/2016						<0.0005
10/24/2016	<0.0005					
10/25/2016		<0.0005	<0.0005	<0.0005		
1/31/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
5/23/2017	<0.0005					<0.0005
5/24/2017		<0.0005	<0.0005	<0.0005		
8/10/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
11/14/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
6/6/2018	<0.0005	<0.0005	<0.0005	<0.0005		
6/7/2018						<0.0005
10/2/2018		<0.0005	<0.0005	<0.0005		
10/3/2018	<0.0005					<0.0005
8/22/2019	<0.0005	<0.0005				<0.0005
8/23/2019			<0.0005	<0.0005		
8/26/2020						<0.0005
8/27/2020	<0.0005	<0.0005	<0.0005	<0.0005		
8/12/2021					<0.0005	
8/13/2021		<0.0005	<0.0005	<0.0005		<0.0005
8/16/2021	<0.0005					
9/27/2021					<0.0005	
2/2/2022	<0.0005		<0.0005	<0.0005		
2/3/2022		<0.0005			<0.0005	<0.0005
8/5/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/25/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/11/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/16/2024	<0.0005		<0.0005			
2/17/2024		<0.0005		<0.0005	<0.0005	<0.0005
8/9/2024	<0.0005					<0.0005
8/10/2024		<0.0005	<0.0005	<0.0005	<0.0005	
2/15/2025	<0.0005					
2/16/2025		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/7/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

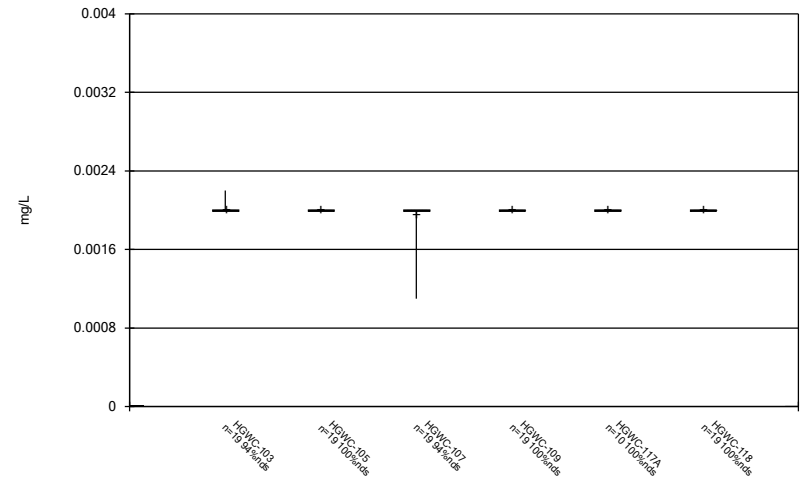
FIGURE B.

Box & Whiskers Plot



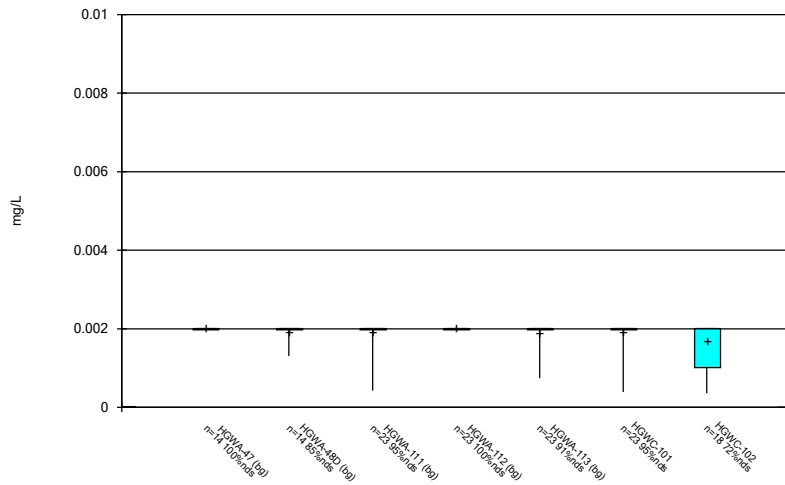
Constituent: Antimony Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



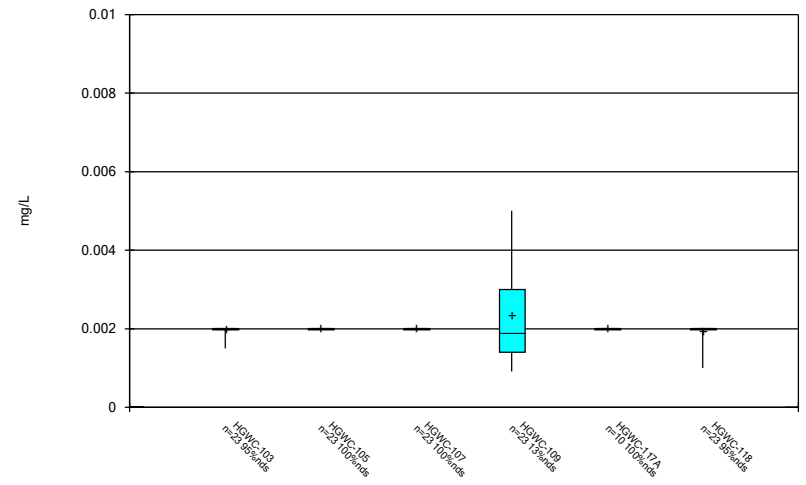
Constituent: Antimony Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



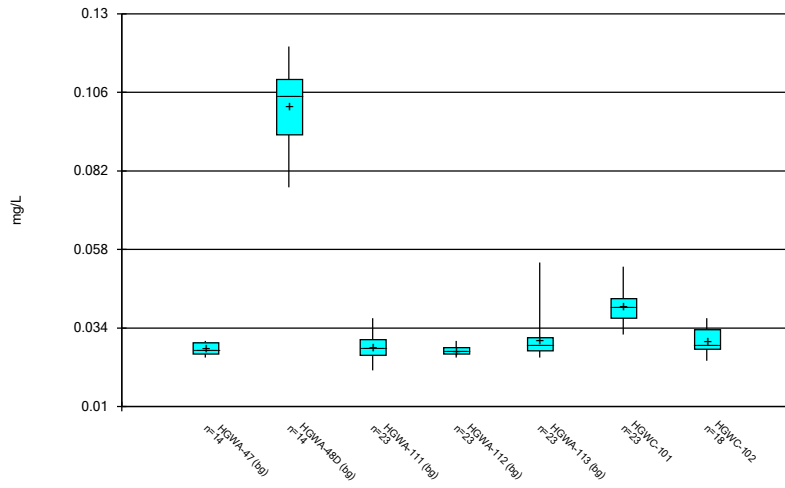
Constituent: Arsenic Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



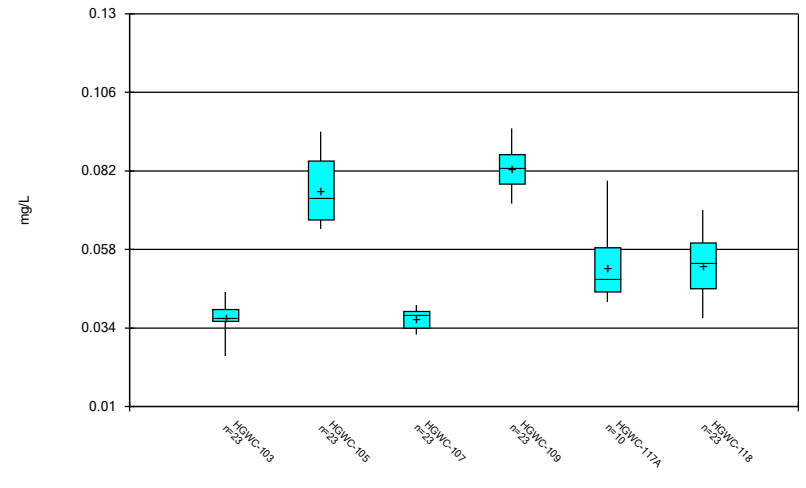
Constituent: Arsenic Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



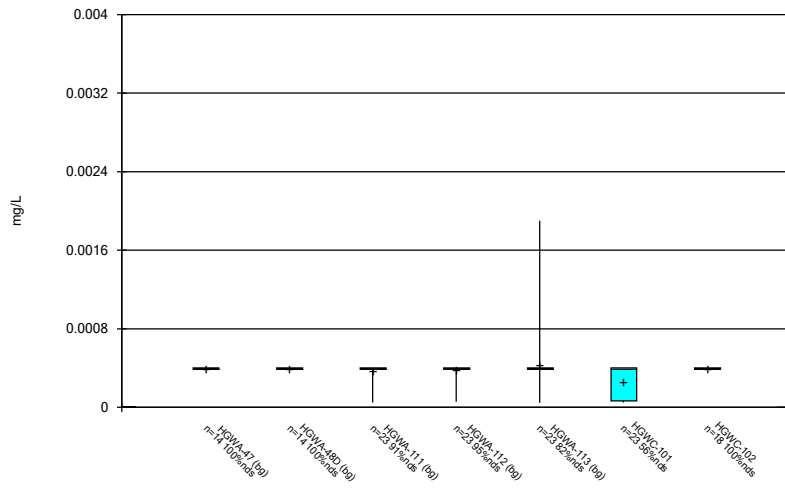
Constituent: Barium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



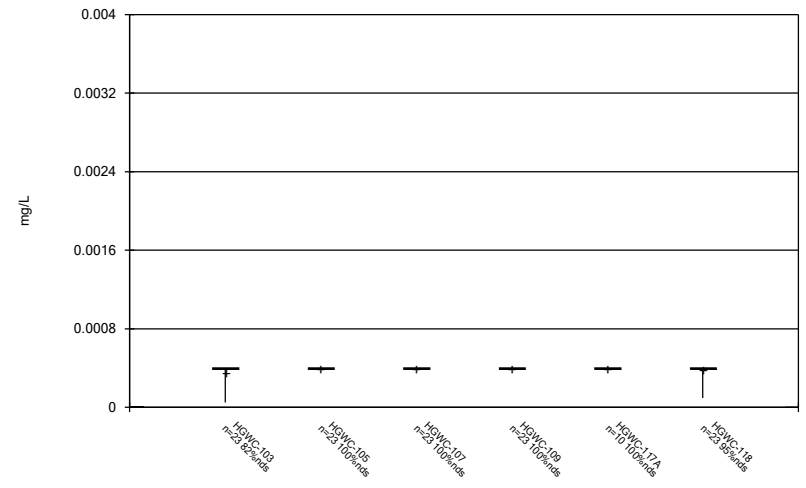
Constituent: Barium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



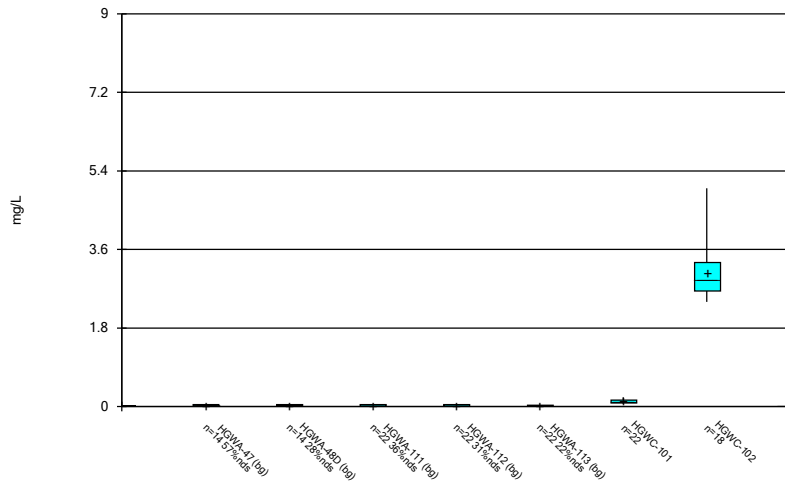
Constituent: Beryllium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



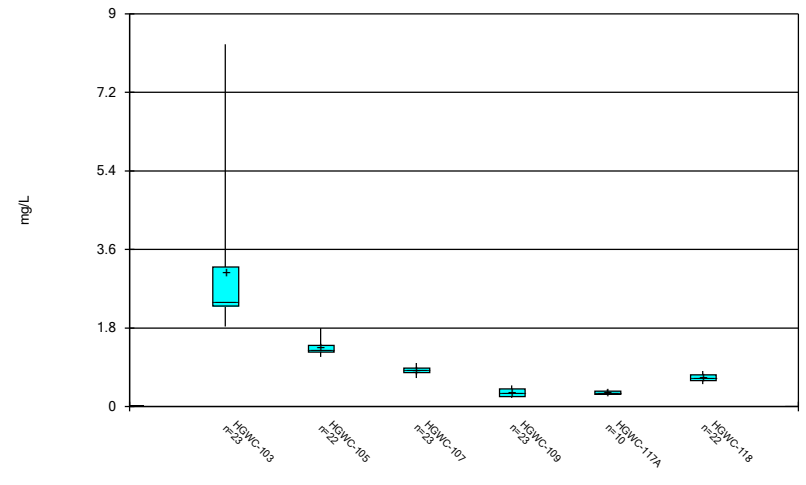
Constituent: Beryllium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



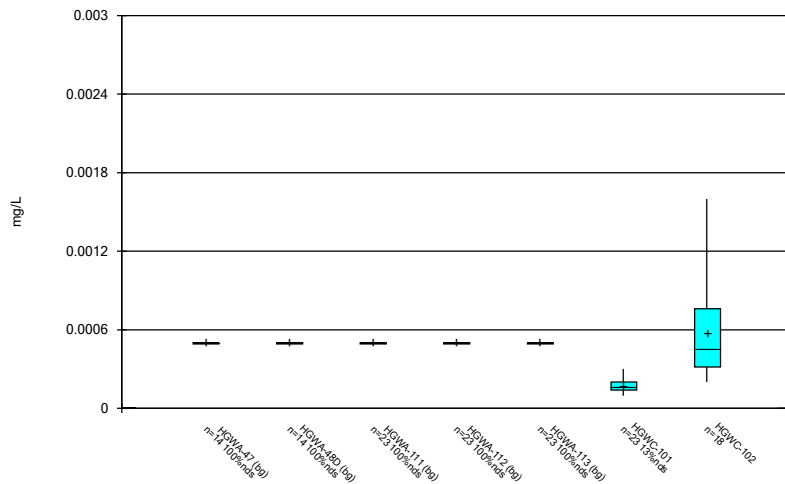
Constituent: Boron Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



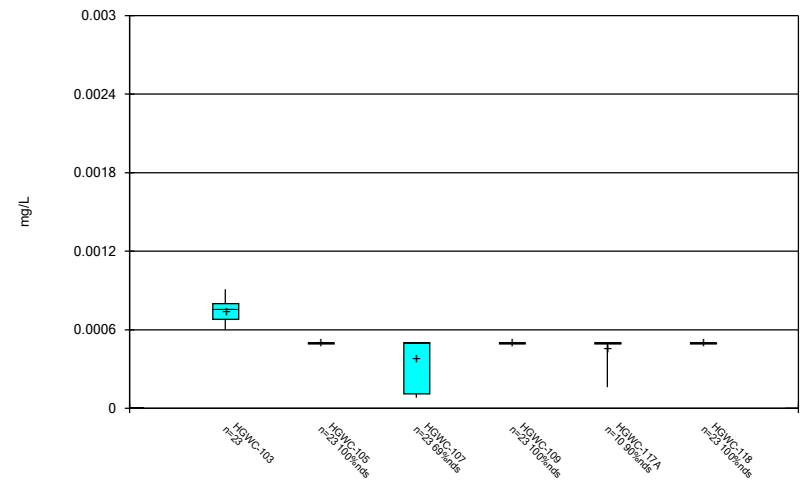
Constituent: Boron Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



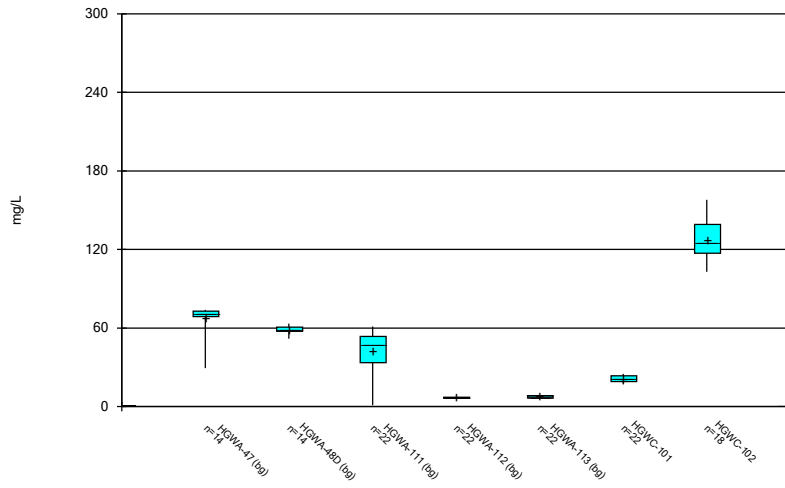
Constituent: Cadmium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



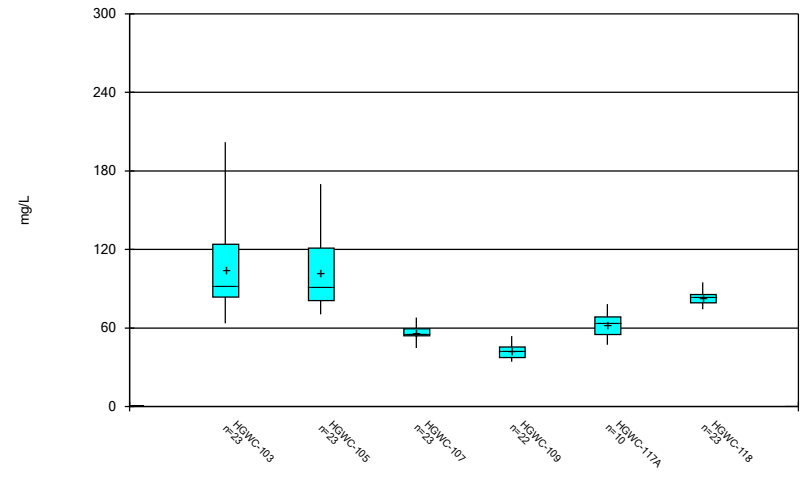
Constituent: Cadmium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



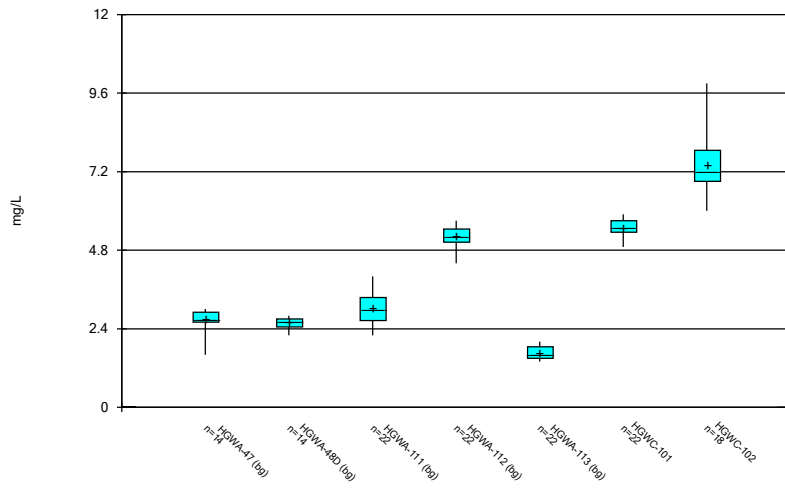
Constituent: Calcium Analysis Run 10/21/2025 6:03 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



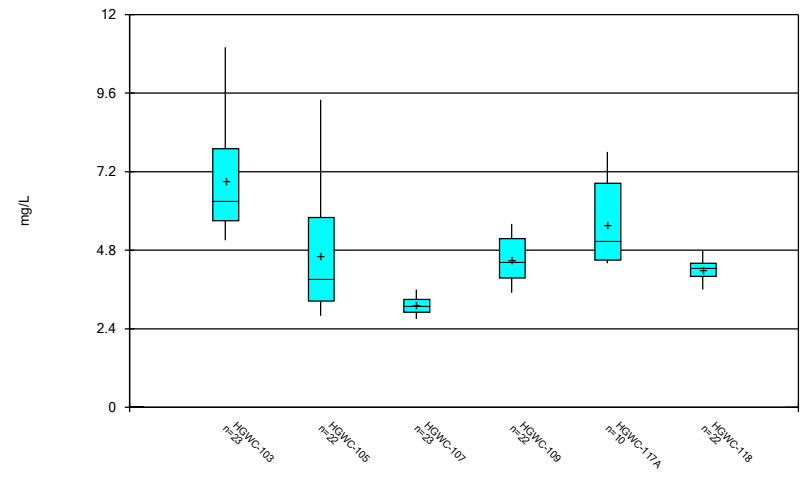
Constituent: Calcium Analysis Run 10/21/2025 6:03 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



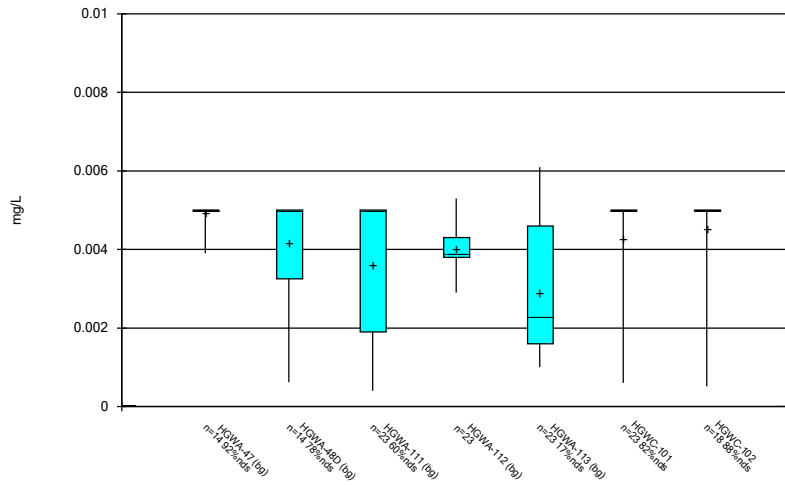
Constituent: Chloride Analysis Run 10/21/2025 6:03 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



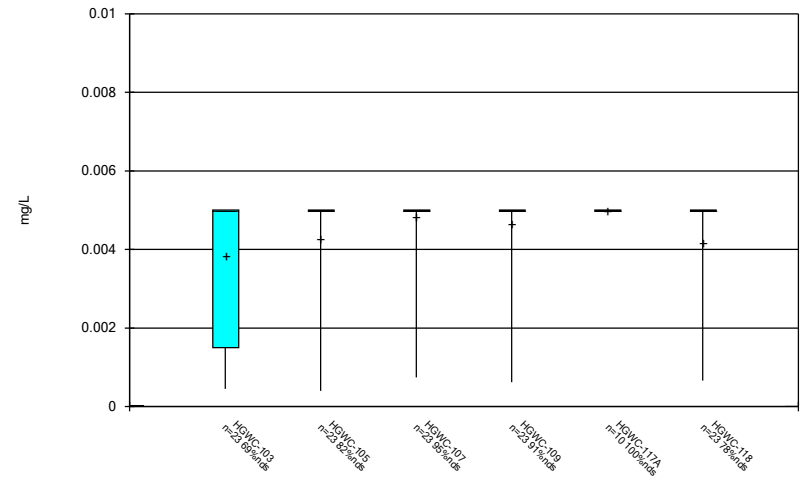
Constituent: Chloride Analysis Run 10/21/2025 6:03 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



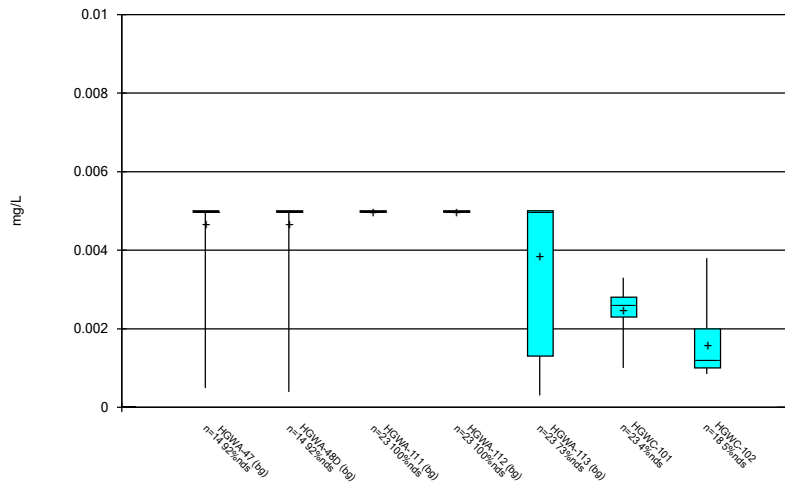
Constituent: Chromium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



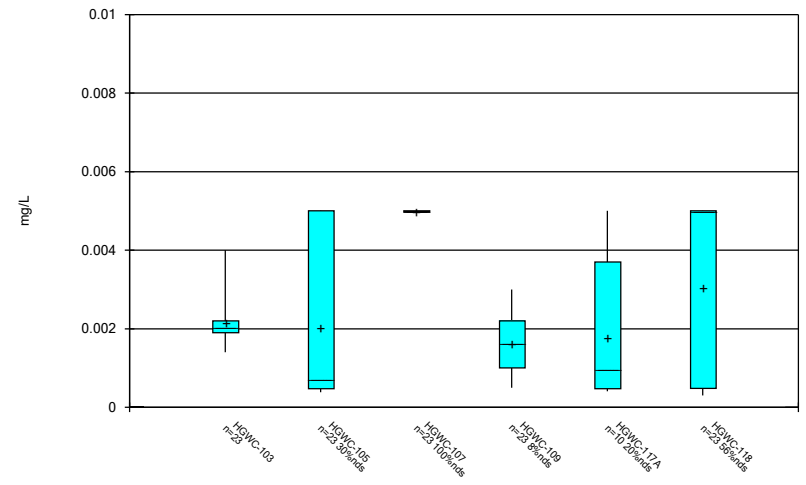
Constituent: Chromium Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



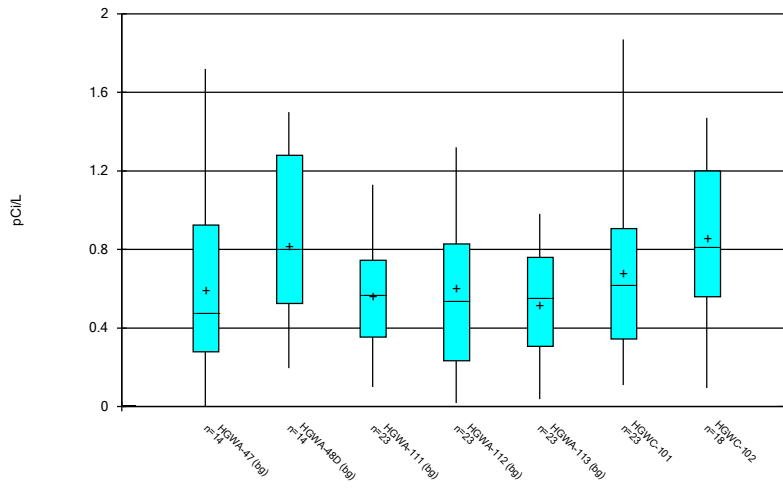
Constituent: Cobalt Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



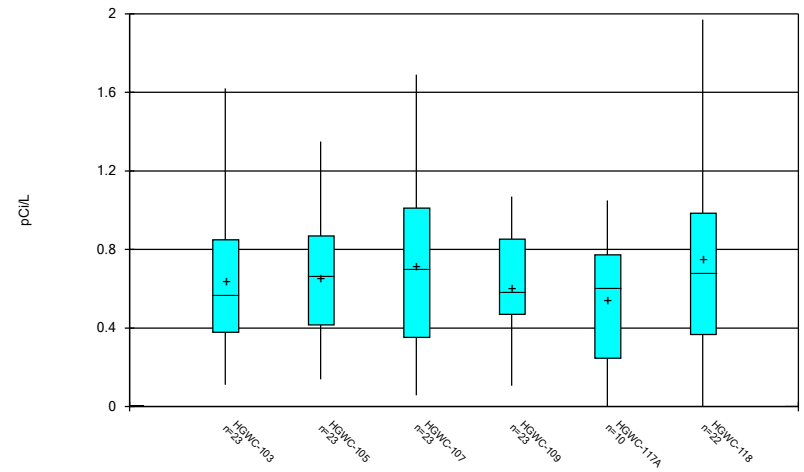
Constituent: Cobalt Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



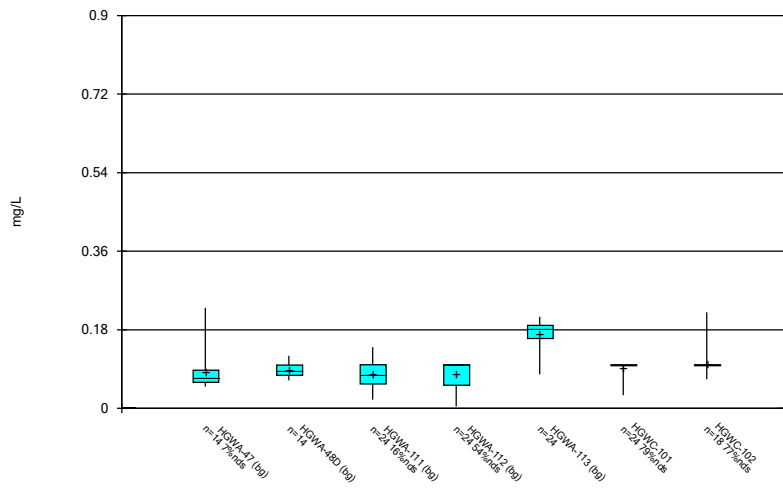
Constituent: Combined Radium 226 + 228 Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



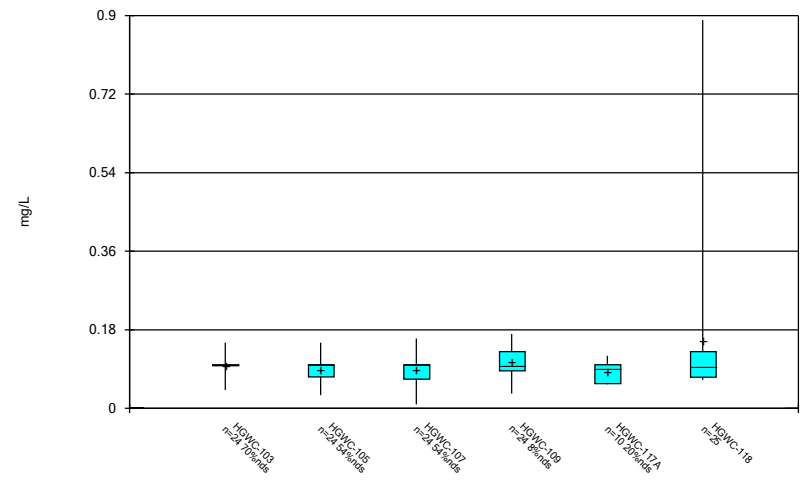
Constituent: Combined Radium 226 + 228 Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



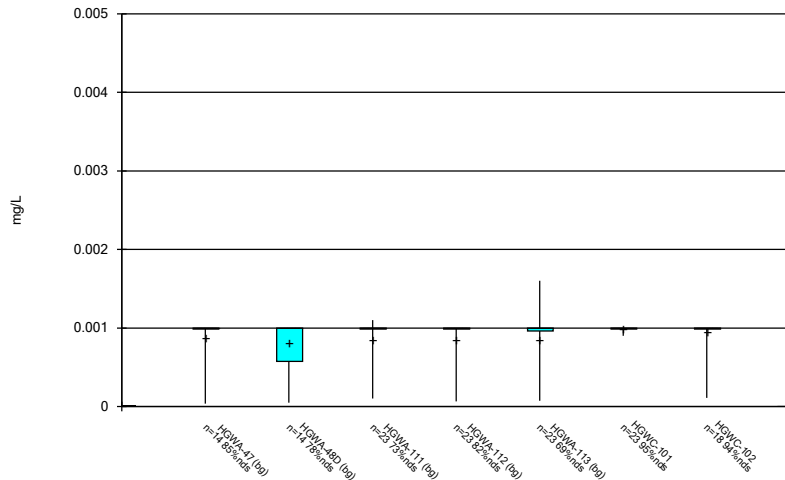
Constituent: Fluoride Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



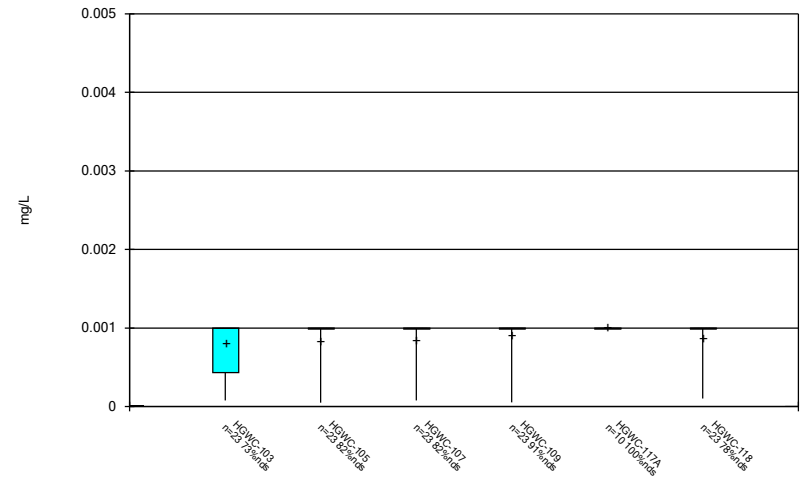
Constituent: Fluoride Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



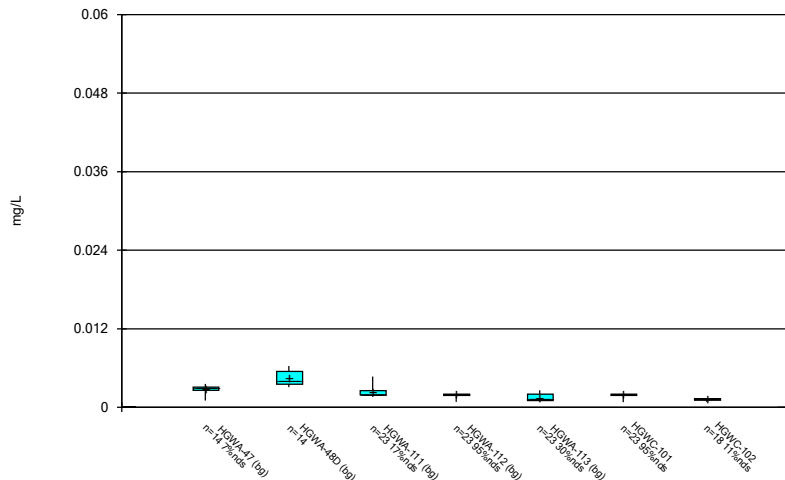
Constituent: Lead Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



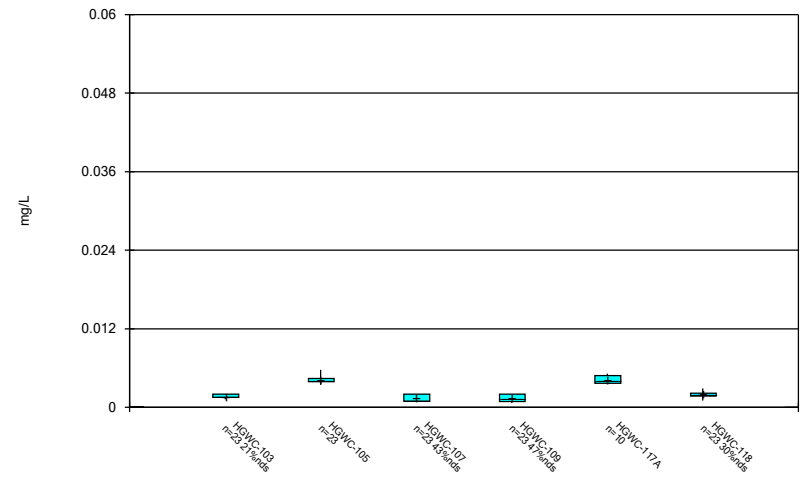
Constituent: Lead Analysis Run 10/21/2025 6:03 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



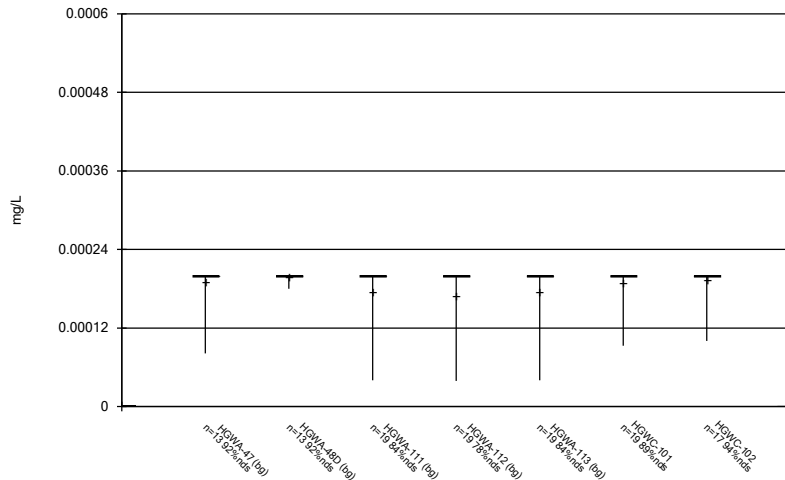
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



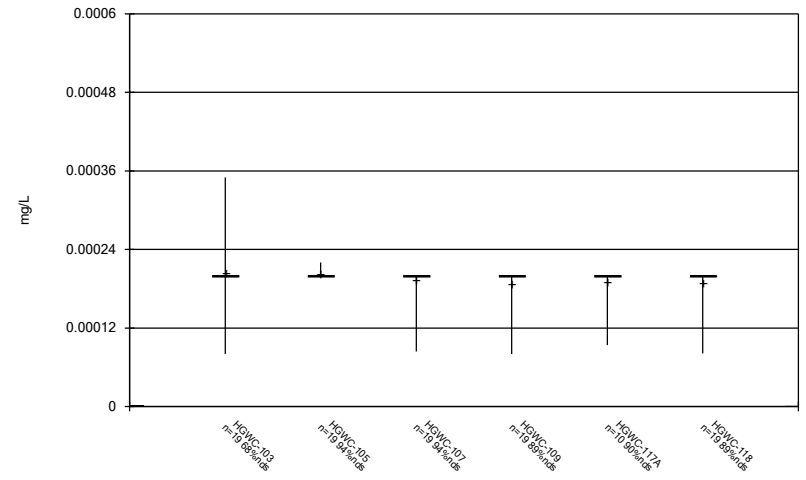
Constituent: Lithium Analysis Run 10/21/2025 6:04 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



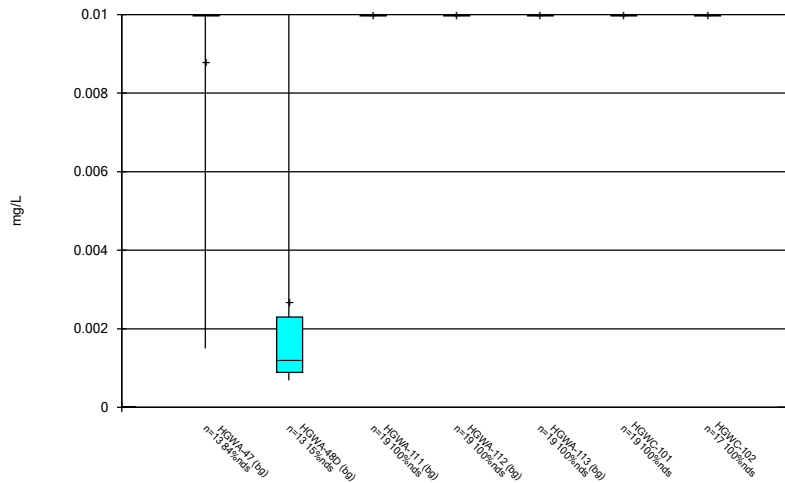
Constituent: Mercury Analysis Run 10/21/2025 6:04 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



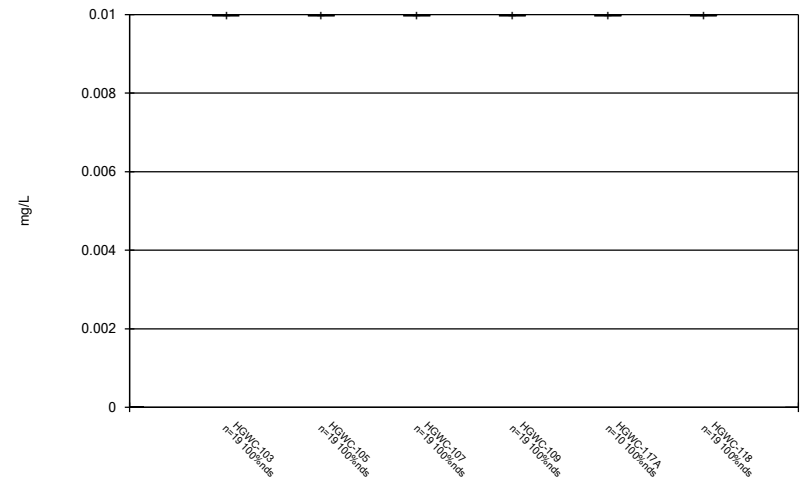
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Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



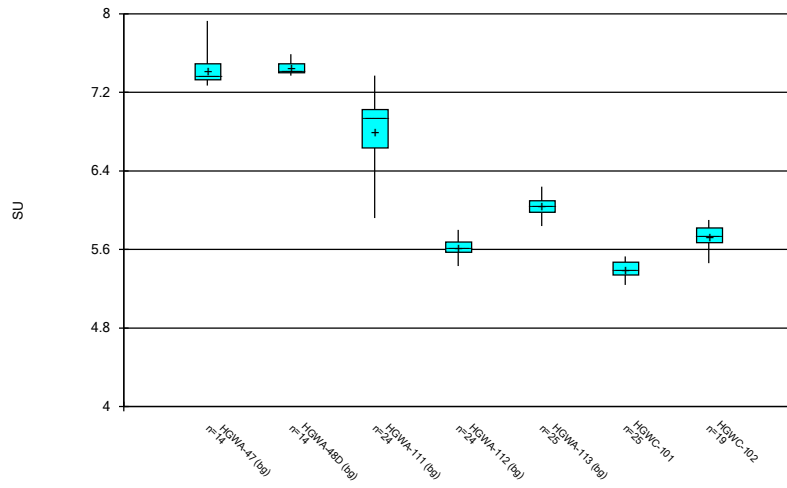
Constituent: Molybdenum Analysis Run 10/21/2025 6:04 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



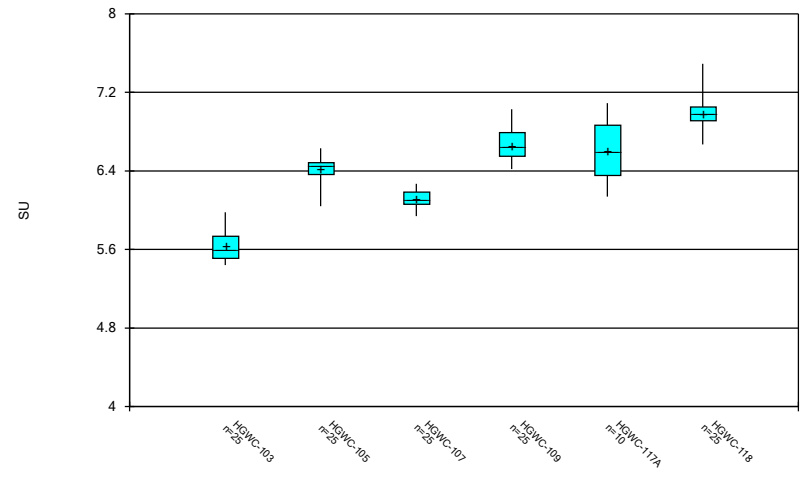
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Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



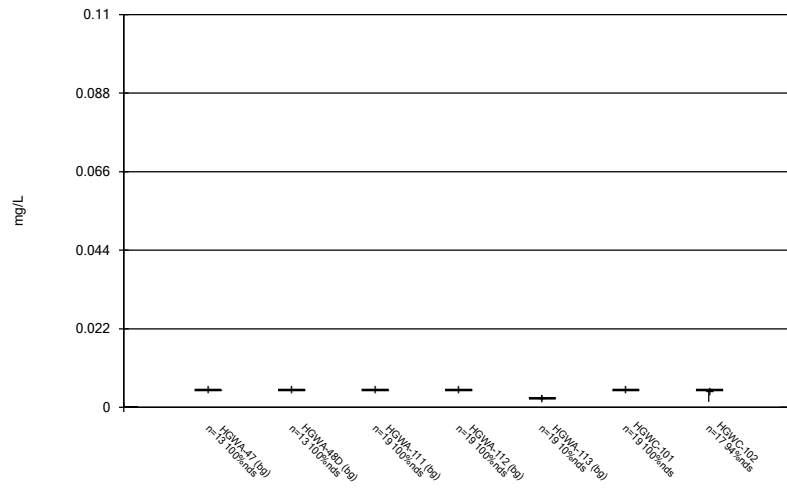
Constituent: pH, Field Analysis Run 10/21/2025 6:04 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



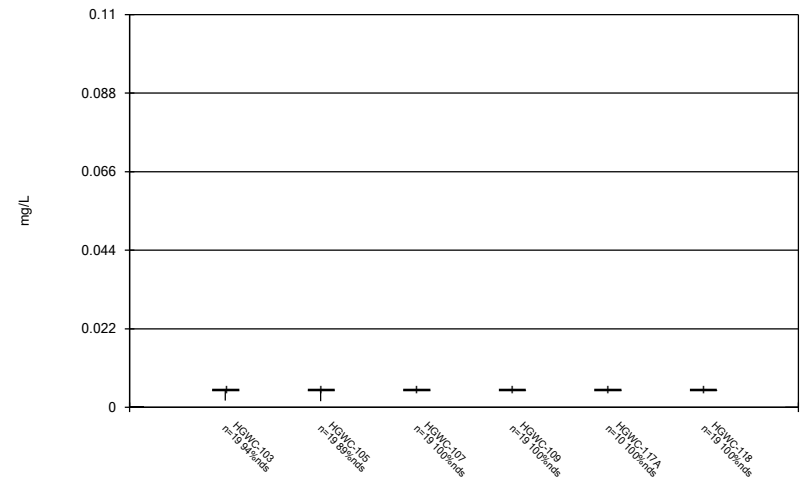
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



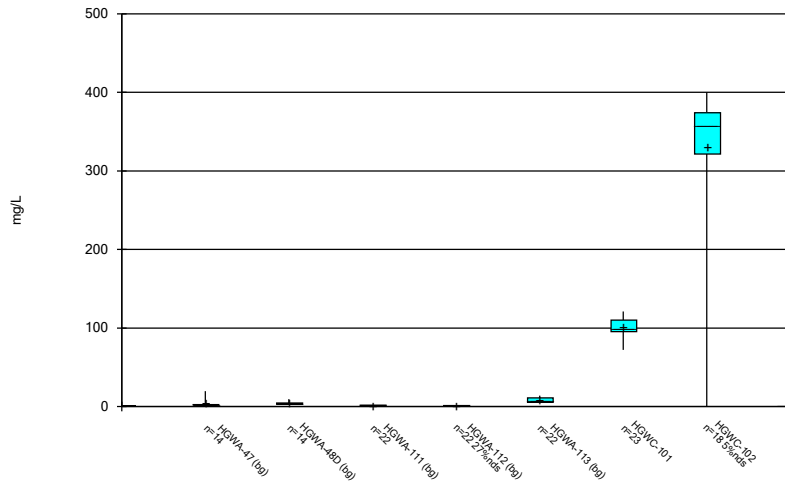
Constituent: Selenium Analysis Run 10/21/2025 6:04 AM
 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



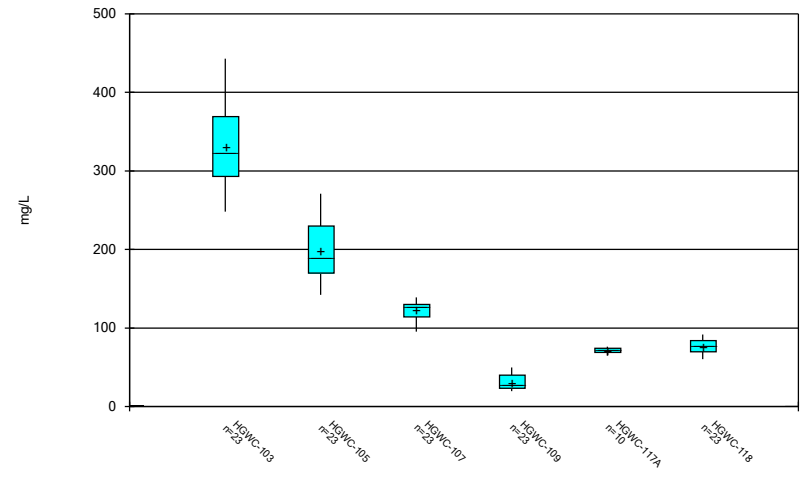
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 Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



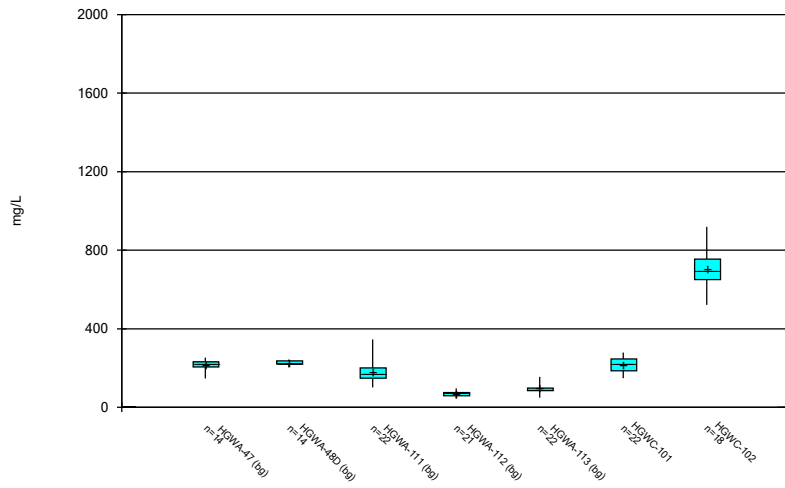
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Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



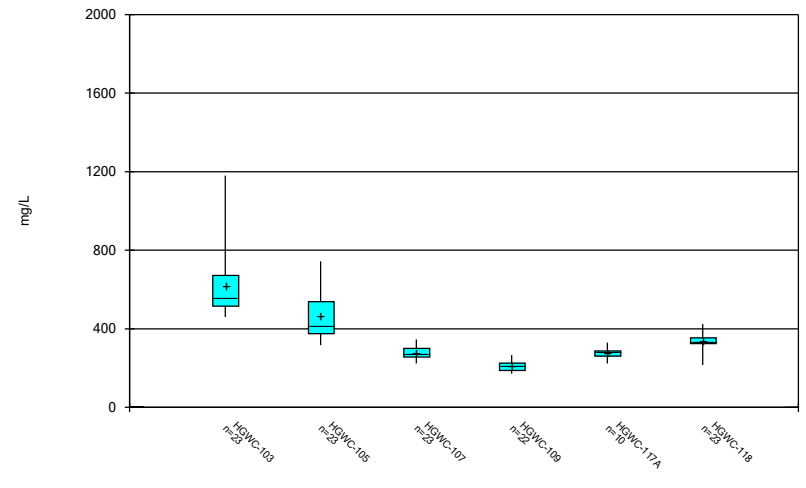
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Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



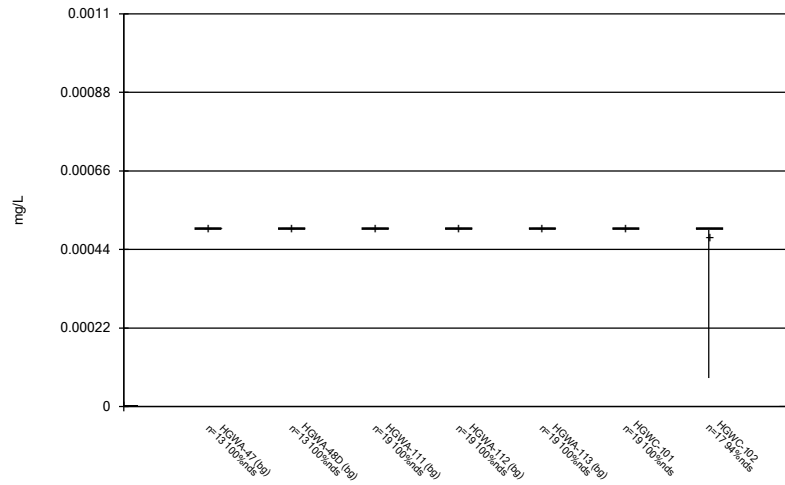
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Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



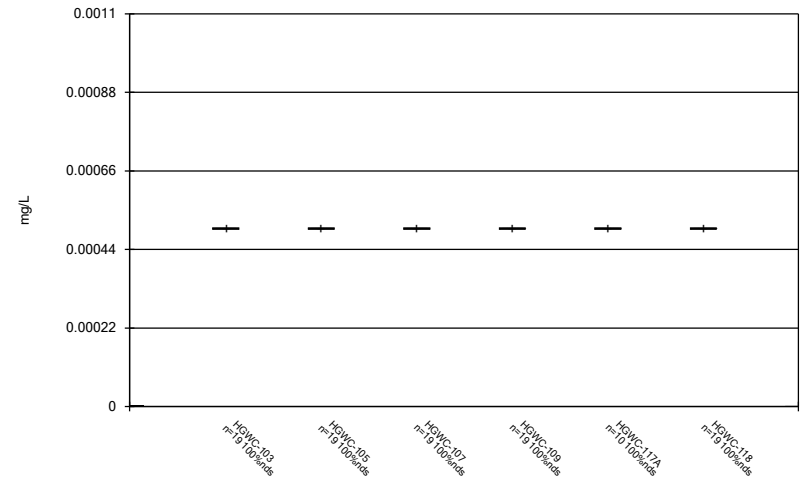
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Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/21/2025 6:04 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/21/2025 6:04 AM
Plant Hammond Client: Southern Company Data: Hammond AP4

FIGURE C.

Outlier Summary

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:21 PM

HGWA-112 TDS (mg/L)

1/25/2017

152 (O)

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	HGWC-101	0.04	n/a	8/7/2025	0.19	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-102	0.04	n/a	8/7/2025	5	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-103	0.04	n/a	8/7/2025	8.3	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-105	0.04	n/a	8/7/2025	1.6	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-107	0.04	n/a	8/7/2025	0.9	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-117A	0.04	n/a	8/7/2025	0.36	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-118	0.04	n/a	8/7/2025	0.67	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-102	73.8	n/a	8/7/2025	158	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-103	73.8	n/a	8/7/2025	202	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-105	73.8	n/a	8/7/2025	149	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-118	73.8	n/a	8/7/2025	74.3	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-102	5.7	n/a	8/7/2025	9.9	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-103	5.7	n/a	8/7/2025	11	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-105	5.7	n/a	8/7/2025	9.4	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-101	7.93	5.43	8/7/2025	5.39	Yes	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-101	19.7	n/a	8/7/2025	83.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-102	19.7	n/a	8/7/2025	336	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-103	19.7	n/a	8/7/2025	443	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-105	19.7	n/a	8/7/2025	235	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-107	19.7	n/a	8/7/2025	95.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-117A	19.7	n/a	8/7/2025	75.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-118	19.7	n/a	8/7/2025	67.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-102	345	n/a	8/7/2025	920	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-103	345	n/a	8/7/2025	1180	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-105	345	n/a	8/7/2025	744	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2

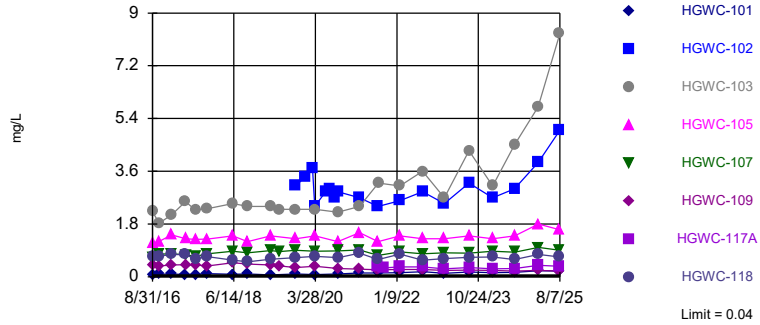
Appendix III Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	HGWC-101	0.04	n/a	8/7/2025	0.19	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-102	0.04	n/a	8/7/2025	5	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-103	0.04	n/a	8/7/2025	8.3	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-105	0.04	n/a	8/7/2025	1.6	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-107	0.04	n/a	8/7/2025	0.9	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-109	0.04	n/a	8/7/2025	0.2J	No	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-117A	0.04	n/a	8/7/2025	0.36	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-118	0.04	n/a	8/7/2025	0.67	Yes	94	n/a	n/a	34.04	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-101	73.8	n/a	8/7/2025	23.2	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-102	73.8	n/a	8/7/2025	158	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-103	73.8	n/a	8/7/2025	202	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-105	73.8	n/a	8/7/2025	149	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-107	73.8	n/a	8/7/2025	55.2	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-109	73.8	n/a	8/7/2025	45.2	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-117A	73.8	n/a	8/7/2025	59.3	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-118	73.8	n/a	8/7/2025	74.3	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-101	5.7	n/a	8/7/2025	5.4	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-102	5.7	n/a	8/7/2025	9.9	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-103	5.7	n/a	8/7/2025	11	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-105	5.7	n/a	8/7/2025	9.4	Yes	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-107	5.7	n/a	8/7/2025	3.1	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-109	5.7	n/a	8/7/2025	3.7	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-117A	5.7	n/a	8/7/2025	5	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-118	5.7	n/a	8/7/2025	4.1	No	94	n/a	n/a	0	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-101	0.23	n/a	8/7/2025	0.065J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-102	0.23	n/a	8/7/2025	0.067J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-103	0.23	n/a	8/7/2025	0.076J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-105	0.23	n/a	8/7/2025	0.065J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-107	0.23	n/a	8/7/2025	0.065J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-109	0.23	n/a	8/7/2025	0.13	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-117A	0.23	n/a	8/7/2025	0.098J	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-118	0.23	n/a	8/7/2025	0.11	No	100	n/a	n/a	18	n/a	n/a	0.0001928	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-101	7.93	5.43	8/7/2025	5.39	Yes	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-102	7.93	5.43	8/7/2025	5.84	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-103	7.93	5.43	8/7/2025	5.87	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-105	7.93	5.43	8/7/2025	6.35	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-107	7.93	5.43	8/7/2025	6.1	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-109	7.93	5.43	8/7/2025	6.79	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-117A	7.93	5.43	8/7/2025	6.63	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-118	7.93	5.43	8/7/2025	6.98	No	101	n/a	n/a	0	n/a	n/a	0.0003797	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-101	19.7	n/a	8/7/2025	83.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-102	19.7	n/a	8/7/2025	336	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-103	19.7	n/a	8/7/2025	443	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-105	19.7	n/a	8/7/2025	235	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-107	19.7	n/a	8/7/2025	95.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-109	19.7	n/a	8/7/2025	19.6	No	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-117A	19.7	n/a	8/7/2025	75.5	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-118	19.7	n/a	8/7/2025	67.9	Yes	94	n/a	n/a	6.383	n/a	n/a	0.0002192	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-101	345	n/a	8/7/2025	223	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-102	345	n/a	8/7/2025	920	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-103	345	n/a	8/7/2025	1180	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-105	345	n/a	8/7/2025	744	Yes	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-107	345	n/a	8/7/2025	296	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-109	345	n/a	8/7/2025	206	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-117A	345	n/a	8/7/2025	286	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-118	345	n/a	8/7/2025	331	No	93	n/a	n/a	0	n/a	n/a	0.0002236	NP Inter (normality) 1 of 2

Exceeds Limit: HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, HGWC-118

Prediction Limit
Interwell Non-parametric

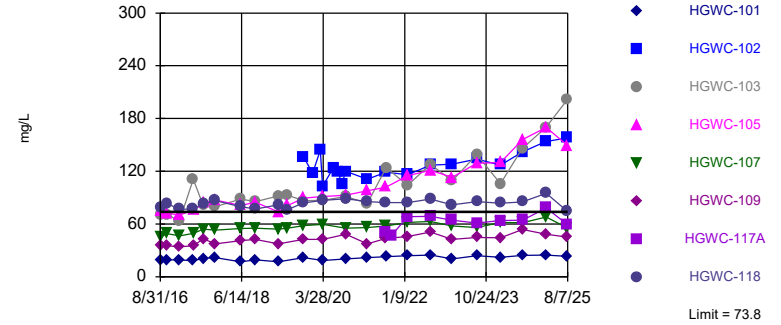


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limit is highest of 94 background values. 34.04% NDs. Annual per-constituent alpha = 0.003501. Individual comparison alpha = 0.0002192 (1 of 2). Comparing 8 points to limit.

Constituent: Boron Analysis Run 10/15/2025 2:25 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Exceeds Limit: HGWC-102, HGWC-103, HGWC-105, HGWC-118

Prediction Limit
Interwell Non-parametric

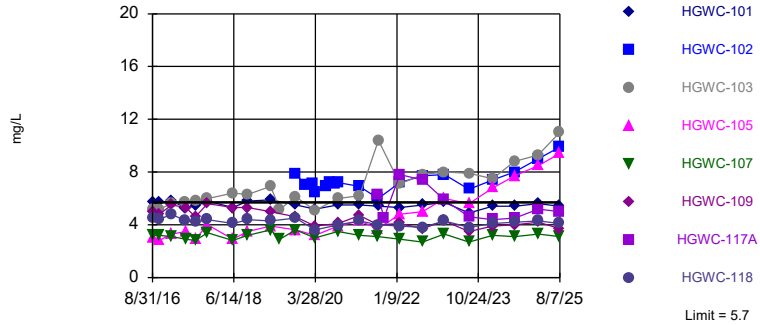


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limit is highest of 94 background values. Annual per-constituent alpha = 0.003501. Individual comparison alpha = 0.0002192 (1 of 2). Comparing 8 points to limit.

Constituent: Calcium Analysis Run 10/15/2025 2:26 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Exceeds Limit: HGWC-102, HGWC-103, HGWC-105

Prediction Limit
Interwell Non-parametric



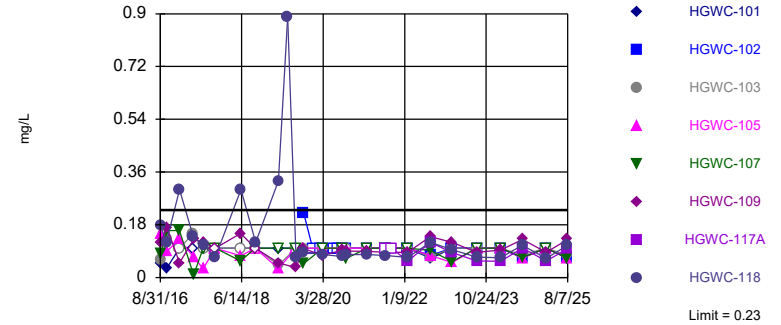
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limit is highest of 94 background values. Annual per-constituent alpha = 0.003501. Individual comparison alpha = 0.0002192 (1 of 2). Comparing 8 points to limit.

Constituent: Chloride Analysis Run 10/15/2025 2:26 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Interwell Non-parametric

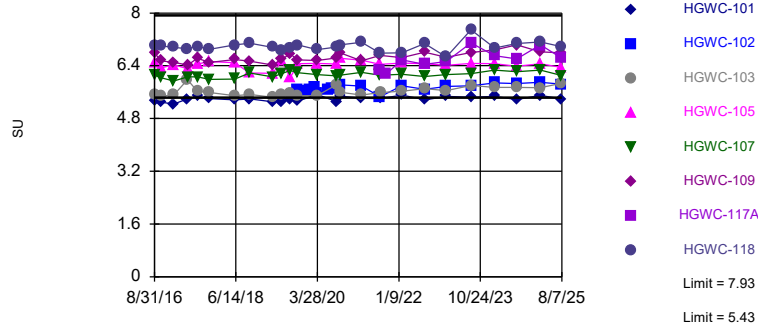


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limit is highest of 100 background values. 18% NDs. Annual per-constituent alpha = 0.00308. Individual comparison alpha = 0.0001928 (1 of 2). Comparing 8 points to limit.

Constituent: Fluoride Analysis Run 10/15/2025 2:26 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Exceeds Limits: HGWC-101

Prediction Limit
Interwell Non-parametric



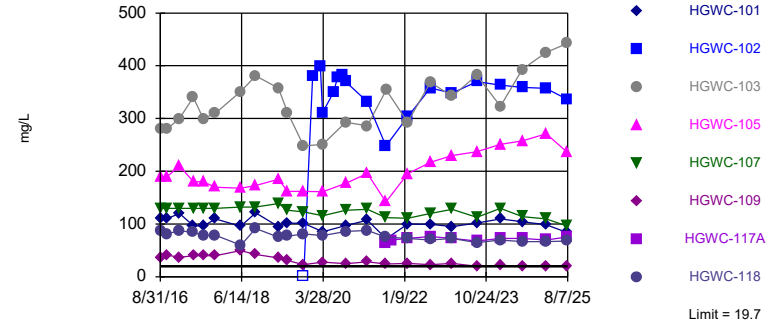
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limits are highest and lowest of 101 background values. Annual per-constituent alpha = 0.006067. Individual comparison alpha = 0.0003797 (1 of 2). Comparing 8 points to limit.

Constituent: pH, Field Analysis Run 10/15/2025 2:26 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Hollow symbols indicate censored values.

Exceeds Limit: HGWC-101, HGWC-102, HGWC-103, HGWC-105, HGWC-107, HGWC-117A, HGWC-118

Prediction Limit
Interwell Non-parametric

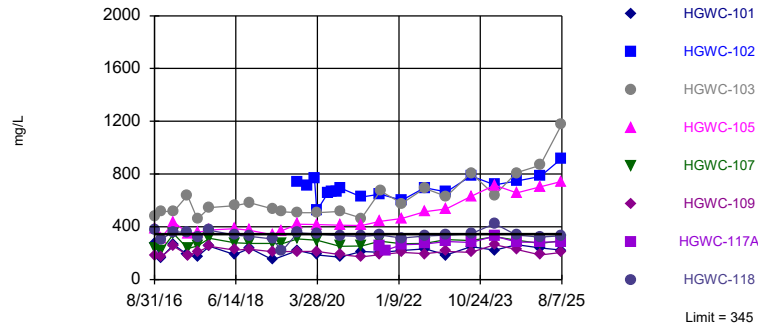


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limit is highest of 94 background values. 6.383% NDs. Annual per-constituent alpha = 0.003501. Individual comparison alpha = 0.0002192 (1 of 2). Comparing 8 points to limit.

Constituent: Sulfate Analysis Run 10/15/2025 2:26 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Exceeds Limit: HGWC-102, HGWC-103, HGWC-105

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level after cube root transformation. Limit is highest of 93 background values. Annual per-constituent alpha = 0.003572. Individual comparison alpha = 0.0002236 (1 of 2). Comparing 8 points to limit.

Constituent: TDS Analysis Run 10/15/2025 2:26 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWC-109	HGWC-101	HGWC-107	HGWC-105	HGWC-103	HGWC-118
8/30/2016	<0.04	<0.04	<0.04						
8/31/2016				0.402	0.0724 (J)	0.651	1.14	2.22	0.681
10/20/2016		0.016 (J)			0.0877 (J)				0.697
10/24/2016	0.0226 (J)		0.0367 (J)					1.83	
10/25/2016				0.372		0.778	1.21		
1/25/2017	0.009 (J)	0.0095 (J)	0.0075 (J)						
1/31/2017				0.404	0.0928	0.782	1.43	2.12	0.768
5/23/2017	0.0082 (J)		0.0073 (J)		0.0795			2.56	0.754
5/24/2017		0.0094 (J)		0.415		0.753	1.3		
8/10/2017	0.0061 (J)	<0.04	<0.04	0.397	0.0814	0.702	1.28	2.28	0.608
11/13/2017		0.0103 (J)	0.0089 (J)						
11/14/2017	0.012 (J)			0.366	0.108	0.78	1.29	2.32	0.691
6/4/2018		0.0065 (J)	0.007 (J)						
6/5/2018	0.0085 (J)								
6/6/2018				0.48	0.081	0.87	1.4	2.5	
6/7/2018									0.57
10/1/2018	0.0042 (J)	0.0054 (J)	<0.04						
10/2/2018				0.43		0.82	1.2		
10/3/2018					0.092			2.4	0.51
4/1/2019		0.0076 (J)							
4/2/2019	0.0059 (J)		0.0043 (J)						
4/3/2019				0.4		0.89			
4/4/2019					0.06 (J)		1.4 (J)	2.4	
4/5/2019									0.6 (J)
6/17/2019				0.37		0.86		2.3	
10/21/2019		0.0097 (J)							
10/22/2019	0.01 (J)		0.016 (J)	0.32		0.91			0.65
10/23/2019					0.1		1.3	2.3	
1/3/2020									
3/4/2020									
3/24/2020		0.011 (J)	0.012 (J)						
3/25/2020				0.36	0.08 (J)	0.87	1.4	2.3	0.7
4/9/2020	0.012 (J)								
6/18/2020									
7/21/2020									
8/27/2020									
9/18/2020		0.011 (J)	0.008 (J)						
9/22/2020	0.021 (J)								
9/24/2020					0.1	0.88	1.2	2.2	
9/25/2020				0.28					
9/28/2020									0.65
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
3/11/2021		0.01 (J)							
3/12/2021			0.0061 (J)						
3/16/2021	0.011 (J)								
3/17/2021				0.26	0.13				
3/18/2021						0.92	1.5	2.4	0.81
8/12/2021	<0.04	<0.04	<0.04						
8/13/2021				0.24		0.73	1.2		0.59

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-111 (bg)	HGWA-112 (bg)	HGWC-109	HGWC-101	HGWC-107	HGWC-105	HGWC-103	HGWC-118
8/16/2021					0.13			3.2	
9/27/2021									
1/31/2022		0.0099 (J)							
2/1/2022	0.012 (J)		0.011 (J)						
2/2/2022				0.25	0.14	0.85		3.1	
2/3/2022							1.4		0.77
8/2/2022	<0.04								
8/5/2022		<0.04	0.012 (J)	0.25		0.79	1.3	3.6	0.57
8/10/2022					0.17				
1/24/2023	<0.04	<0.04	<0.04						
1/25/2023				0.22	0.12	0.82	1.3	2.7	0.62
8/8/2023		<0.04	<0.04						
8/10/2023	0.0091 (J)								
8/11/2023				0.23	0.16	0.81	1.4	4.3	0.66
2/13/2024			<0.04						
2/14/2024	0.013 (J)	<0.04							
2/16/2024					0.14	0.87		3.1	
2/17/2024				0.22			1.3		0.68
8/6/2024		<0.04							
8/8/2024	<0.04								
8/9/2024			0.029 (J)					4.5	0.59
8/10/2024				0.2	0.15	0.84	1.4		
2/12/2025									
2/13/2025	0.01 (J)	0.0082 (J)	0.0072 (J)						
2/15/2025					0.21			5.8	
2/16/2025				0.22		1	1.8		0.76
8/5/2025									
8/6/2025	0.01 (J)	0.0074 (J)	0.0069 (J)						
8/7/2025				0.2 (J)	0.19	0.9	1.6	8.3	0.67

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/17/2019				
10/21/2019				
10/22/2019				
10/23/2019	3.1			
1/3/2020	3.4			
3/4/2020	3.7			
3/24/2020	2.4			
3/25/2020				
4/9/2020				
6/18/2020	2.9			
7/21/2020	3			
8/27/2020	2.7			
9/18/2020		0.0082 (J)	0.015 (J)	
9/22/2020				
9/24/2020	2.9			
9/25/2020				
9/28/2020				
11/10/2020		0.0064 (J)		
11/11/2020			0.014 (J)	
12/15/2020		<0.04	0.0083 (J)	
1/19/2021		0.015 (J)	0.015 (J)	
3/11/2021				
3/12/2021		0.0067 (J)	0.012 (J)	
3/16/2021				
3/17/2021	2.7			
3/18/2021				
8/12/2021		<0.04	0.012 (J)	0.34
8/13/2021	2.4			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/16/2021				
9/27/2021				0.3
1/31/2022		<0.04	0.011 (J)	
2/1/2022				
2/2/2022	2.6			
2/3/2022				0.34
8/2/2022		<0.04		
8/5/2022	2.9		0.011 (J)	0.34
8/10/2022				
1/24/2023		<0.04	<0.04	
1/25/2023	2.5			0.27
8/8/2023		<0.04	<0.04	
8/10/2023				
8/11/2023	3.2			0.31
2/13/2024			<0.04	
2/14/2024		0.018 (J)		
2/16/2024	2.7			
2/17/2024				0.27
8/6/2024		<0.04	<0.04	
8/8/2024				
8/9/2024	3			
8/10/2024				0.28
2/12/2025		0.011 (J)	0.013 (J)	
2/13/2025				
2/15/2025	3.9			
2/16/2025				0.39 (J)
8/5/2025		<0.04	0.012 (J)	
8/6/2025				
8/7/2025	5			0.36

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-101	HGWC-103	HGWC-118	HGWC-109	HGWC-105	HGWC-107
8/30/2016	6.72	6.69	40.3						
8/31/2016				19.4	70.4	79.3	35.1	74.2	44.7
10/20/2016			38.7	19.3		83.7			
10/24/2016	6.4	6.25			70.9				
10/25/2016							35.4	72.5	49
1/25/2017	6.87	6.58	44.6						
1/31/2017				19.1	63.6	76.8	34.2	70.3	46.6
5/23/2017	7.13	6.4		18.3	111	77.2			
5/24/2017			34.8				35.3	75.9	49.5
8/10/2017	6.71	6.54	48.6	20.9	81.2	83.1	43.1	84	54.2
11/13/2017		6.26	17.1						
11/14/2017	7.4			21.7	79.7	86.7	37.4	87.2	53.2
6/4/2018		7.4	30.1						
6/5/2018	7.4								
6/6/2018				17	88.3		41.1	81	55
6/7/2018						79.7			
10/1/2018	6.2	5.8	14.2 (J)						
10/2/2018							42.5	84.7	55.4
10/3/2018				19.1 (J)	85.3	77.1			
4/1/2019			58.4						
4/2/2019	7.4	6.7							
4/3/2019							37.5		54
4/4/2019				16.9	91.9			73.8	
4/5/2019						82			
6/17/2019					92.6			81.2	55.3
6/18/2019						76.5			
10/21/2019			51						
10/22/2019	7.2	6.3				84.2	42.6		58.1
10/23/2019				21.9	86.5			89.4	
1/3/2020									
3/4/2020									
3/24/2020		7	61.2						
3/25/2020				18.4	86.8	86.8	42.6	91.4	59.5
4/9/2020	8.3								
6/18/2020									
7/21/2020									
8/27/2020									
9/18/2020		6.5	32.2						
9/22/2020	7.9								
9/24/2020				20.3	91.3			92.9	55.4
9/25/2020							48.5		
9/28/2020						88.9			
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
3/11/2021			53.2						
3/12/2021		6.9							
3/16/2021	8.6								
3/17/2021				21.8			37.3		
3/18/2021					83.7	85.4		97.7	56
8/12/2021	8.4	6.9	45.4						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-101	HGWC-103	HGWC-118	HGWC-109	HGWC-105	HGWC-107
8/13/2021						84.3	43.5	102	57.8
8/16/2021				22.8	124				
9/27/2021									
1/31/2022			58.6						
2/1/2022	8.6	7.4							
2/2/2022				23.8	104		45.7		62
2/3/2022						84.5		115	
8/2/2022	8								
8/5/2022		7.1	53		128	88.5	50.8	121	63
8/10/2022				24.6					
1/24/2023	7.5	6.6	55.4						
1/25/2023				20.4	109	81.8	42.4	113	57.8
8/8/2023		6.6	0.94 (J)						
8/10/2023	8.4								
8/11/2023				24.1	139	85.5	44.8	129	56
2/13/2024		6.5							
2/14/2024	7.2		51.8						
2/16/2024				22.2	106				61.9
2/17/2024						83.8	44.3	130	
8/6/2024			46.2						
8/8/2024	8.4								
8/9/2024		7.1			146	85.2			
8/10/2024				24.2			53.7	156	61.4
2/12/2025									
2/13/2025	8.5	7.2	53.9						
2/15/2025				24.8	170				
2/16/2025						94.9	48.4	170	67.9
8/5/2025									
8/6/2025	8.6	6.7	52.2						
8/7/2025				23.2	202	74.3	45.2	149	55.2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-48D (bg)	HGWA-47 (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/17/2019				
6/18/2019				
10/21/2019				
10/22/2019				
10/23/2019	136			
1/3/2020	118			
3/4/2020	144			
3/24/2020	103			
3/25/2020				
4/9/2020				
6/18/2020	124			
7/21/2020	120			
8/27/2020	106			
9/18/2020		51.8	62.2	
9/22/2020				
9/24/2020	120			
9/25/2020				
9/28/2020				
11/10/2020			73.3	
11/11/2020		61.3		
12/15/2020		61.3	72.5	
1/19/2021		58.9	72.5	
3/11/2021				
3/12/2021		57.5	69.2	
3/16/2021				
3/17/2021	111			
3/18/2021				
8/12/2021		59.5	71.2	50.7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-48D (bg)	HGWA-47 (bg)	HGWC-117A
8/13/2021	119			
8/16/2021				
9/27/2021				47.2
1/31/2022		63.2	73.8	
2/1/2022				
2/2/2022	116			
2/3/2022				68.2
8/2/2022			73	
8/5/2022	127	59.6		68.6
8/10/2022				
1/24/2023		57.8	69.2	
1/25/2023	128			64.5
8/8/2023		58.2	68	
8/10/2023				
8/11/2023	134			61.1
2/13/2024		56		
2/14/2024			29.4	
2/16/2024	127			
2/17/2024				63.9
8/6/2024		58.8	71.1	
8/8/2024				
8/9/2024	142			
8/10/2024				64.5
2/12/2025		57.2	70.7	
2/13/2025				
2/15/2025	154			
2/16/2025				78.3
8/5/2025		59.7	70.5	
8/6/2025				
8/7/2025	158			59.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-112 (bg)	HGWA-113 (bg)	HGWA-111 (bg)	HGWC-103	HGWC-107	HGWC-101	HGWC-109	HGWC-118	HGWC-105
8/30/2016	5.4	2	3.3						
8/31/2016				5.2	3.2	5.7	5	4.5	3
10/20/2016			3.2			5.7		4.4	
10/24/2016	5.2	1.9		5.2					
10/25/2016					3.2		4.8		2.8
1/25/2017	5	1.9	2.7						
1/31/2017				5.6	3.1	5.8	5.5	4.8	3.3
5/23/2017	5.1	1.6		5.7		5.3		4.3	
5/24/2017			3		2.9		5.3		3.5
8/10/2017	5.2	1.7	2.8	5.8	2.8	5.4	4.6	4.2	2.9
11/13/2017	5.5		2.5						
11/14/2017		2		6	3.4	5.8	5.6	4.4	4
6/4/2018	5.3		2.6						
6/5/2018		1.7							
6/6/2018				6.4	2.8	5.3	5.3		2.9
6/7/2018								4.1	
10/1/2018	5.6	1.6	2.2						
10/2/2018					3.2		5.3		3.5
10/3/2018				6.3		5.8		4.4	
4/1/2019			4						
4/2/2019	5.7	1.8							
4/3/2019					3.6		5		
4/4/2019				6.9		5.9			3.9
4/5/2019								4.3	
6/17/2019				5.2	2.9				
10/21/2019			3.9						
10/22/2019	5.5	1.9			3.6		4.6	4.5	
10/23/2019				6.1		5.5			3.6
1/3/2020									
3/4/2020									
3/24/2020	5.2		3.6						
3/25/2020				5.1	3	5.2	3.9	3.6	3.2
4/9/2020		1.4							
6/18/2020									
7/21/2020									
8/27/2020									
9/18/2020	5.2		2.6						
9/22/2020		1.5							
9/24/2020				6	3.5	5.5			3.9
9/25/2020							4.1		
9/28/2020								4	
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
3/11/2021			3.4						
3/12/2021	5.3								
3/16/2021		1.6							
3/17/2021						5.5	4.7		
3/18/2021				6.2	3.2			4.3	4.3
8/12/2021	4.4	1.5	2.5						
8/13/2021					3.1		4	4	3.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-112 (bg)	HGWA-113 (bg)	HGWA-111 (bg)	HGWC-103	HGWC-107	HGWC-101	HGWC-109	HGWC-118	HGWC-105
8/16/2021				10.4		5.4			
9/27/2021									
1/31/2022			3						
2/1/2022	5.2	1.6							
2/2/2022				7.1	2.9	5.3	4.1		
2/3/2022								3.9	4.8
8/2/2022		1.8							
8/5/2022	5		2.7	7.8	2.7		3.7	3.8	5
8/10/2022						5.5			
1/24/2023	5.6	1.8	3.6						
1/25/2023				8	3.3	5.7	4.3	4.3	6
8/8/2023	5.1		3						
8/10/2023		1.6							
8/11/2023				7.9	2.7	4.9	3.5	3.8	5.6
2/13/2024	5								
2/14/2024		1.5	3						
2/16/2024				7.5	3.2	5.4			
2/17/2024							3.9	4.1	6.8
8/6/2024			2.8						
8/8/2024		1.5							
8/9/2024	5.2			8.8				4.2	
8/10/2024					3.1	5.4	4		7.7
2/12/2025									
2/13/2025	4.9	1.4	2.8						
2/15/2025				9.3		5.6			
2/16/2025					3.3		4.2	4.3	8.5
8/5/2025									
8/6/2025	5.1	1.5	3.1						
8/7/2025				11	3.1	5.4	3.7	4.1	9.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/17/2019				
10/21/2019				
10/22/2019				
10/23/2019	7.9			
1/3/2020	7			
3/4/2020	7.1			
3/24/2020	6.5			
3/25/2020				
4/9/2020				
6/18/2020	6.9			
7/21/2020	7.2			
8/27/2020	7.1			
9/18/2020		2.7	2.6	
9/22/2020				
9/24/2020	7.2			
9/25/2020				
9/28/2020				
11/10/2020		2.7		
11/11/2020			2.6	
12/15/2020		2.9	2.7	
1/19/2021		2.8	2.7	
3/11/2021				
3/12/2021		2.7	2.6	
3/16/2021				
3/17/2021	6.9			
3/18/2021				
8/12/2021		2.3	2.2	6.3
8/13/2021	6			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/16/2021				
9/27/2021				4.5
1/31/2022		2.6	2.5	
2/1/2022				
2/2/2022	7.2			
2/3/2022				7.8
8/2/2022		3		
8/5/2022	7.7		2.4	7.4
8/10/2022				
1/24/2023		3	2.8	
1/25/2023	7.8			5.9
8/8/2023		2.7	2.7	
8/10/2023				
8/11/2023	6.7			4.6
2/13/2024			2.6	
2/14/2024		1.6		
2/16/2024	7.4			
2/17/2024				4.4
8/6/2024		2.9	2.7	
8/8/2024				
8/9/2024	8			
8/10/2024				4.5
2/12/2025		2.6	2.4	
2/13/2025				
2/15/2025	9			
2/16/2025				5.2
8/5/2025		2.9	2.8	
8/6/2025				
8/7/2025	9.9			5

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-105	HGWC-118	HGWC-101	HGWC-103	HGWC-109	HGWC-107
8/30/2016	0.07 (J)	0.04 (J)	0.2 (J)						
8/31/2016				0.15 (J)	0.18 (J)	0.05 (J)	0.06 (J)	0.12 (J)	0.08 (J)
10/20/2016	0.07 (J)				0.12 (J)	0.03 (J)			
10/24/2016		0.05 (J)	0.16 (J)				0.13 (J)		
10/25/2016				0.09 (J)				0.17 (J)	0.16 (J)
1/25/2017	0.14 (J)	<0.1	0.15 (J)						
1/31/2017				0.13 (J)	0.3	<0.1	<0.1	0.05 (J)	0.16 (J)
5/23/2017		0.004 (J)	0.18 (J)		0.14 (J)	<0.1	0.15 (J)		
5/24/2017	0.02 (J)			0.07 (J)				0.13 (J)	0.009 (J)
8/10/2017	0.06 (J)	0.03 (J)	0.19 (J)	0.03 (J)	0.11 (J)	<0.1	<0.1	0.12 (J)	<0.1
11/13/2017	<0.1	<0.1							
11/14/2017			0.16 (J)	<0.1	0.07 (J)	<0.1	<0.1	<0.1	<0.1
6/4/2018	0.032 (J)	<0.1							
6/5/2018			0.18 (J)						
6/6/2018				0.074 (J)		<0.1	<0.1	0.15 (J)	0.057 (J)
6/7/2018					0.3				
10/1/2018	<0.1	<0.1	0.078 (J)						
10/2/2018				<0.1				<0.1	<0.1
10/3/2018					0.12 (J)	<0.1	<0.1		
4/1/2019	0.042 (J)								
4/2/2019		<0.1	0.18 (J)						
4/3/2019								0.05 (J)	<0.1
4/4/2019				0.03 (J)		<0.1	0.042 (J)		
4/5/2019					0.33				
6/18/2019					0.89				
8/21/2019	0.048 (J)	<0.1	0.11 (J)						
8/22/2019				<0.1	0.07 (J)	<0.1	<0.1		
8/23/2019								0.034 (J)	<0.1
10/21/2019	0.12 (J)								
10/22/2019		0.05 (J)	0.18 (J)		0.087 (J)			0.099 (J)	0.047 (J)
10/23/2019				<0.1		<0.1	<0.1		
1/3/2020									
3/4/2020									
3/24/2020	0.076 (J)	<0.1							
3/25/2020				<0.1	0.078 (J)	<0.1	<0.1	0.075 (J)	<0.1
4/9/2020			0.14 (J)						
6/18/2020									
7/21/2020									
8/25/2020	0.052 (J)	<0.1	0.17						
8/26/2020					0.072 (J)				
8/27/2020				<0.1		<0.1	<0.1	0.094 (J)	<0.1
9/18/2020	<0.1	<0.1							
9/22/2020			0.16						
9/24/2020				<0.1		<0.1	<0.1		0.064 (J)
9/25/2020								0.091 (J)	
9/28/2020					0.078 (J)				
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
3/11/2021	0.057 (J)								
3/12/2021		<0.1							

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-111 (bg)	HGWA-112 (bg)	HGWA-113 (bg)	HGWC-105	HGWC-118	HGWC-101	HGWC-103	HGWC-109	HGWC-107
3/16/2021			0.18						
3/17/2021						<0.1		0.089 (J)	
3/18/2021				<0.1	0.079 (J)		<0.1		<0.1
8/12/2021	<0.1	<0.1	0.16						
8/13/2021				<0.1	0.075 (J)			0.086 (J)	<0.1
8/16/2021						<0.1	<0.1		
9/27/2021									
1/31/2022	0.055 (J)								
2/1/2022		<0.1	0.16						
2/2/2022						<0.1	<0.1	0.086 (J)	<0.1
2/3/2022				<0.1	0.069 (J)				
8/2/2022			0.19						
8/5/2022	0.1	0.077 (J)		0.075 (J)	0.12		0.071 (J)	0.14	0.093 (J)
8/10/2022						0.065 (J)			
1/24/2023	0.086 (J)	0.055 (J)	0.2						
1/25/2023				0.051 (J)	0.095 (J)	<0.1	<0.1	0.12	0.054 (J)
8/8/2023	0.076 (J)	0.05 (J)							
8/10/2023			0.19						
8/11/2023				<0.1	0.07 (J)	<0.1	<0.1	0.086 (J)	<0.1
2/13/2024		<0.1							
2/14/2024	0.081 (J)		0.18						
2/16/2024						<0.1	<0.1		<0.1
2/17/2024				<0.1	0.068 (J)			0.094 (J)	
8/6/2024	0.089 (J)								
8/8/2024			0.17						
8/9/2024		0.075 (J)			0.11		0.077 (J)		
8/10/2024				0.066 (J)		0.068 (J)		0.13	0.069 (J)
2/12/2025									
2/13/2025	0.093 (J)	0.067 (J)	0.2						
2/15/2025						<0.1	<0.1		
2/16/2025				<0.1	0.065 (J)			0.086 (J)	<0.1
8/5/2025									
8/6/2025	0.097 (J)	0.062 (J)	0.21						
8/7/2025				0.065 (J)	0.11	0.065 (J)	0.076 (J)	0.13	0.065 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/18/2019				
8/21/2019				
8/22/2019				
8/23/2019				
10/21/2019				
10/22/2019				
10/23/2019	0.22 (J)			
1/3/2020	<0.1			
3/4/2020	<0.1			
3/24/2020	<0.1			
3/25/2020				
4/9/2020				
6/18/2020	<0.1			
7/21/2020	<0.1			
8/25/2020				
8/26/2020				
8/27/2020	<0.1			
9/18/2020		0.067 (J)	0.098 (J)	
9/22/2020				
9/24/2020	<0.1			
9/25/2020				
9/28/2020				
11/10/2020		0.065 (J)		
11/11/2020			0.083 (J)	
12/15/2020		0.064 (J)	0.081 (J)	
1/19/2021		0.057 (J)	0.079 (J)	
3/11/2021				
3/12/2021		0.062 (J)	0.085 (J)	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
3/16/2021				
3/17/2021	<0.1			
3/18/2021				
8/12/2021		<0.1	0.064 (J)	<0.1
8/13/2021	<0.1			
8/16/2021				
9/27/2021				<0.1
1/31/2022		0.053 (J)	0.072 (J)	
2/1/2022				
2/2/2022	<0.1			
2/3/2022				0.056 (J)
8/2/2022		0.08 (J)		
8/5/2022	0.076 (J)		0.12	0.12
8/10/2022				
1/24/2023		0.081 (J)	0.092 (J)	
1/25/2023	<0.1			0.085 (J)
8/8/2023		0.072 (J)	0.091 (J)	
8/10/2023				
8/11/2023	<0.1			0.057 (J)
2/13/2024			0.071 (J)	
2/14/2024		0.23		
2/16/2024	<0.1			
2/17/2024				0.055 (J)
8/6/2024		0.094 (J)	0.1	
8/8/2024				
8/9/2024	0.067 (J)			
8/10/2024				0.1
2/12/2025		0.099 (J)	0.1	
2/13/2025				
2/15/2025	<0.1			
2/16/2025				0.057 (J)
8/5/2025		0.076 (J)	0.086 (J)	
8/6/2025				
8/7/2025	0.067 (J)			0.098 (J)

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-118	HGWC-109	HGWC-107	HGWC-101	HGWC-105	HGWC-103
3/11/2021			7.2						
3/12/2021		5.6							
3/16/2021	6.14								
3/17/2021					6.55		5.41		
3/18/2021				7.11		6.2		6.57	5.51
8/12/2021	6.08	5.5	6.67						
8/13/2021				6.78	6.71	6.11		6.44	
8/16/2021							5.4		5.59
9/27/2021									
1/31/2022			7.17						
2/1/2022	6.05	5.59							
2/2/2022					6.65	6.14	5.51		5.63
2/3/2022				6.79				6.48	
8/2/2022	6.08								
8/5/2022		5.43	6.97	7.07	6.81	6.07		6.46	5.71
8/10/2022							5.37		
1/24/2023	6.15	5.67	7.11						
1/25/2023				6.67	6.66	6.13	5.47	6.41	5.65
8/8/2023		5.77	7.01						
8/10/2023	6.07								
8/11/2023				7.49	6.8	6.16	5.44	6.47	5.8
2/13/2024		5.64							
2/14/2024	6.24		7						
2/16/2024						6.27	5.47		5.74
2/17/2024				6.94	6.88			6.46	
8/6/2024			6.99						
8/8/2024	5.98								
8/9/2024		5.65		7.07					5.74
8/10/2024					7.03	6.22	5.38	6.38	
2/12/2025									
2/13/2025	6.15	5.64	6.92						
2/15/2025							5.5		5.73
2/16/2025				7.12	6.82	6.27		6.46	
8/5/2025									
8/6/2025	6.01	5.52	7.03						
8/7/2025				6.98	6.79	6.1	5.39	6.35	5.87

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/17/2019				
6/18/2019				
8/21/2019				
8/22/2019				
8/23/2019				
10/21/2019				
10/22/2019				
10/23/2019	5.68			
1/3/2020	5.64			
1/22/2020	5.66			
3/4/2020	5.75			
3/24/2020	5.58			
3/25/2020				
4/9/2020				
6/18/2020	5.67			
7/21/2020	5.72			
8/25/2020				
8/26/2020				
8/27/2020	5.7			
9/18/2020		7.54	7.5	
9/22/2020				
9/24/2020	5.82			
9/25/2020				
9/28/2020				
11/10/2020		7.34		
11/11/2020			7.4	
12/15/2020		7.27	7.39	
1/19/2021		7.32	7.4	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
3/11/2021				
3/12/2021		7.52	7.51	
3/16/2021				
3/17/2021	5.78			
3/18/2021				
8/12/2021		7.38	7.44	6.27
8/13/2021	5.46			
8/16/2021				
9/27/2021				6.14
1/31/2022		7.34	7.44	
2/1/2022				
2/2/2022	5.79			
2/3/2022				6.58
8/2/2022		7.34		
8/5/2022	5.69		7.4	6.44
8/10/2022				
1/24/2023		7.38	7.46	
1/25/2023	5.77			6.53
8/8/2023		7.27	7.37	
8/10/2023				
8/11/2023	5.79			7.09
2/13/2024			7.59	
2/14/2024		7.93		
2/16/2024	5.88			
2/17/2024				6.7
8/6/2024		7.46	7.4	
8/8/2024				
8/9/2024	5.86			
8/10/2024				6.61
2/12/2025		7.4	7.48	
2/13/2025				
2/15/2025	5.9			
2/16/2025				7.03
8/5/2025		7.35	7.41	
8/6/2025				
8/7/2025	5.84			6.63

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-101	HGWC-118	HGWC-103	HGWC-107	HGWC-109	HGWC-105
8/30/2016	14	0.63 (J)	1.6						
8/31/2016				110	88	280	130	36	190
10/20/2016			1.6	110	81				
10/24/2016	11	0.62 (J)				280			
10/25/2016							130	41	190
1/25/2017	12	0.62 (J)	1.6						
1/31/2017				120	87	300	130	37	210
5/23/2017	12	0.55 (J)		97	84	340			
5/24/2017			1.4				130	40	180
8/10/2017	11	0.66 (J)	1.6	96	78	300	130	40	180
11/13/2017		0.61 (J)	1.3						
11/14/2017	11			110	79	310	130	40	170
6/4/2018		0.73 (J)	1.4						
6/5/2018	9.9								
6/6/2018				95.5		351	132	49.7	168
6/7/2018					60.1				
10/1/2018	6.7	0.52 (J)	1						
10/2/2018							132	42.3	173
10/3/2018				121	91.5	381			
4/1/2019			1.7						
4/2/2019	8.7	0.78 (J)							
4/3/2019							139	36	
4/4/2019				95.1		358			185
4/5/2019					75.1				
6/17/2019						311	126	30.9	162
6/18/2019				102	77				
10/21/2019			1.8						
10/22/2019	6.8	0.6 (J)			80.9		123	23.2	
10/23/2019				101		248			162
1/3/2020									
3/4/2020									
3/24/2020		<1	1.6						
3/25/2020				85.5	78.4	251	116	27.9	161
4/9/2020	6.6								
6/18/2020									
7/21/2020									
8/27/2020									
9/18/2020		<1	1						
9/22/2020	5.3								
9/24/2020				97		293	126		177
9/25/2020								24.7	
9/28/2020					86				
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
3/11/2021			1.5						
3/12/2021		0.52 (J)							
3/16/2021	7.7								
3/17/2021				107				28.3	
3/18/2021					87.8	286	128		196
8/12/2021	10	<1	1.3						

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-101	HGWC-118	HGWC-103	HGWC-107	HGWC-109	HGWC-105
8/13/2021					75.1		112	24.4	142
8/16/2021				72.1		354			
9/27/2021									
1/31/2022			1.5						
2/1/2022	8.9	0.5 (J)							
2/2/2022				100		293	111	25.5	
2/3/2022					72.7				195
8/2/2022	7.5								
8/5/2022		<1	1.4		69.8	369	120	23	217
8/10/2022				99.5					
1/24/2023	6.6	0.81 (J)	1.9						
1/25/2023				95	73	342	128	25.4	230
8/8/2023		0.71 (J)	1.5						
8/10/2023	5.1								
8/11/2023				102	64.9	382	113	19.8	237
2/13/2024		0.51 (J)							
2/14/2024	4.9		1.2						
2/16/2024				110		323	130		
2/17/2024					69.7			22	251
8/6/2024			1.3						
8/8/2024	4.6								
8/9/2024		0.76 (J)			66.5	393			
8/10/2024				104			114	19.7	258
2/12/2025									
2/13/2025	4.4	<1	1.1						
2/15/2025				98.7		425			
2/16/2025					66.8		110	20.8	271
8/5/2025									
8/6/2025	4.9	<1	1.3						
8/7/2025				83.9	67.9	443	95.5	19.6	235

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/17/2019				
6/18/2019				
10/21/2019				
10/22/2019				
10/23/2019	<1			
1/3/2020	380			
3/4/2020	400			
3/24/2020	311			
3/25/2020				
4/9/2020				
6/18/2020	349			
7/21/2020	378			
8/27/2020	382			
9/18/2020		3.5	9.5	
9/22/2020				
9/24/2020	370			
9/25/2020				
9/28/2020				
11/10/2020		2.3		
11/11/2020			4.5	
12/15/2020		2.4	4.2	
1/19/2021		2.6	3.9	
3/11/2021				
3/12/2021		1.9	4.7	
3/16/2021				
3/17/2021	332			
3/18/2021				
8/12/2021		1.4	4.3	64.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/13/2021	248			
8/16/2021				
9/27/2021				69.7
1/31/2022		1.7	5.6	
2/1/2022				
2/2/2022	303			
2/3/2022				72.9
8/2/2022		2.1		
8/5/2022	358		3.4	76.1
8/10/2022				
1/24/2023		2.2	2.9	
1/25/2023	348			72.9
8/8/2023		2	2.9	
8/10/2023				
8/11/2023	370			67.7
2/13/2024			2.8	
2/14/2024		19.7		
2/16/2024	363			
2/17/2024				72.7
8/6/2024		2.3	2.7	
8/8/2024				
8/9/2024	359			
8/10/2024				72.6
2/12/2025		2	2.2	
2/13/2025				
2/15/2025	357			
2/16/2025				69.8
8/5/2025		2.2	2.7	
8/6/2025				
8/7/2025	336			75.5

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-109	HGWC-118	HGWC-101	HGWC-107	HGWC-103	HGWC-105
8/30/2016	77	76	172						
8/31/2016				182	373	278	235	483	389
10/20/2016			108		305	165			
10/24/2016	111	65						517	
10/25/2016				172			223		316
1/25/2017	155	152 (O)	345						
1/31/2017				252	361	263	346	516	437
5/23/2017	74	52			359	190		637	
5/24/2017			126	184			234		352
8/10/2017	94	60	174	208	325	175	254	459	356
11/13/2017		75	158						
11/14/2017	89			252	373	253	313	545	375
6/4/2018		70	131						
6/5/2018	92								
6/6/2018				224		188	278	559	385
6/7/2018					338				
10/1/2018	91	76	101						
10/2/2018				230			274		374
10/3/2018					328	238		582	
4/1/2019			213						
4/2/2019	94	69							
4/3/2019				210			273		
4/4/2019						149		535	340
4/5/2019					308				
6/17/2019							272	515	370
6/18/2019					215				
10/21/2019			187						
10/22/2019	95	81		212	354		308		
10/23/2019						221		507	419
1/3/2020									
3/4/2020									
3/24/2020		52	207						
3/25/2020				213	347	187	297	507	417
4/9/2020	48								
6/18/2020									
7/21/2020									
8/27/2020									
9/18/2020		62	139						
9/22/2020	84								
9/24/2020						170	253	517	411
9/25/2020				188					
9/28/2020					332				
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
3/11/2021			207						
3/12/2021		56							
3/16/2021	99								
3/17/2021				171		213			
3/18/2021					328		255	465	410
8/12/2021	92	63	157						

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWA-113 (bg)	HGWA-112 (bg)	HGWA-111 (bg)	HGWC-109	HGWC-118	HGWC-101	HGWC-107	HGWC-103	HGWC-105
8/13/2021				189	336		291		441
8/16/2021						206		672	
9/27/2021									
1/31/2022			186						
2/1/2022	99	73							
2/2/2022				206		220	271	576	
2/3/2022					316				463
8/2/2022	85								
8/5/2022		44	171	195	329		274	692	514
8/10/2022						232			
1/24/2023	146	96	177						
1/25/2023				214	337	186	304	630	537
8/8/2023		57	207						
8/10/2023	80								
8/11/2023				205	346	250	296	808	630
2/13/2024		73							
2/14/2024	93		187						
2/16/2024						222	325	640	
2/17/2024				265	424				716
8/6/2024			163						
8/8/2024	85								
8/9/2024		90			338			809	
8/10/2024				227		263	299		658
2/12/2025									
2/13/2025	90	63	172						
2/15/2025						241		866	
2/16/2025				187	323		275		704
8/5/2025									
8/6/2025	91	69	194						
8/7/2025				206	331	223	296	1180	744

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/30/2016				
8/31/2016				
10/20/2016				
10/24/2016				
10/25/2016				
1/25/2017				
1/31/2017				
5/23/2017				
5/24/2017				
8/10/2017				
11/13/2017				
11/14/2017				
6/4/2018				
6/5/2018				
6/6/2018				
6/7/2018				
10/1/2018				
10/2/2018				
10/3/2018				
4/1/2019				
4/2/2019				
4/3/2019				
4/4/2019				
4/5/2019				
6/17/2019				
6/18/2019				
10/21/2019				
10/22/2019				
10/23/2019	736			
1/3/2020	714			
3/4/2020	764			
3/24/2020	521			
3/25/2020				
4/9/2020				
6/18/2020	652			
7/21/2020	669			
8/27/2020	663			
9/18/2020		195	224	
9/22/2020				
9/24/2020	696			
9/25/2020				
9/28/2020				
11/10/2020		229		
11/11/2020			221	
12/15/2020		233	239	
1/19/2021		199	224	
3/11/2021				
3/12/2021		217	204	
3/16/2021				
3/17/2021	626			
3/18/2021				
8/12/2021		212	234	256

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 2:27 PM View: Appendix III Interwell
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWA-47 (bg)	HGWA-48D (bg)	HGWC-117A
8/13/2021	647			
8/16/2021				
9/27/2021				223
1/31/2022		243	223	
2/1/2022				
2/2/2022	602			
2/3/2022				264
8/2/2022		222		
8/5/2022	696		224	270
8/10/2022				
1/24/2023		223	230	
1/25/2023	664			289
8/8/2023		214	220	
8/10/2023				
8/11/2023	785			280
2/13/2024			242	
2/14/2024		147		
2/16/2024	718			
2/17/2024				329
8/6/2024		253	240	
8/8/2024				
8/9/2024	746			
8/10/2024				284
2/12/2025		229	222	
2/13/2025				
2/15/2025	782			
2/16/2025				284
8/5/2025		224	229	
8/6/2025				
8/7/2025	920			286

FIGURE E.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:31 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	HGWC-101	0.01177	154	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-103	0.2378	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-107	0.0169	99	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-113 (bg)	0.2047	135	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-103	8.401	175	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-105	8.669	215	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-113 (bg)	-0.03972	-108	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-103	0.4398	169	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-105	0.5259	180	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-48D (bg)	-0.4966	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-113 (bg)	-0.8658	-169	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-103	12.48	112	98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-107	-2.284	-127	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-118	-2.012	-132	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-103	31.97	129	98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-105	37.2	179	98	Yes	23	0	n/a	n/a	0.01	NP

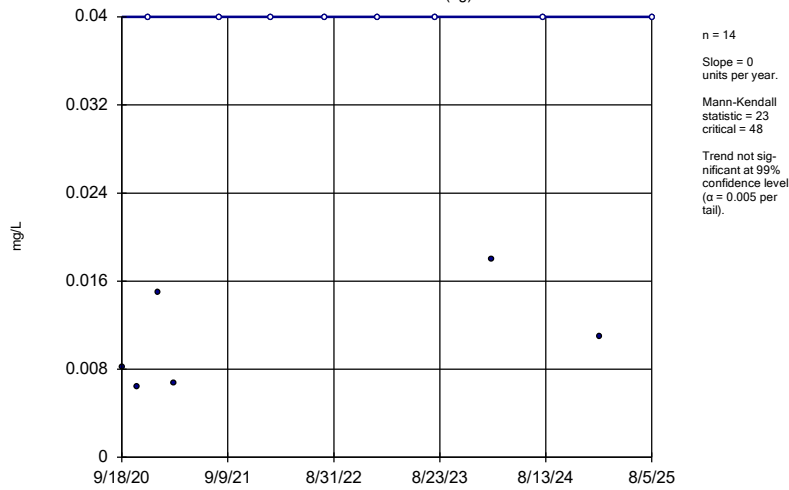
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/15/2025, 2:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-47 (bg)	0	23	48	No	14	57.14	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-48D (bg)	0.0002547	12	48	No	14	28.57	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-111 (bg)	0	26	92	No	22	36.36	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-112 (bg)	0	-5	-92	No	22	31.82	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-113 (bg)	0.000365	41	92	No	22	22.73	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-101	0.01177	154	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-102	0.02412	9	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-103	0.2378	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-105	0.02277	79	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-107	0.0169	99	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-117A	0	3	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	HGWC-118	-0.001756	-10	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-47 (bg)	-0.44	-21	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-48D (bg)	-0.292	-10	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-111 (bg)	1.348	55	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-112 (bg)	0.05159	71	92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-113 (bg)	0.2047	135	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-102	5.397	59	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-103	8.401	175	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-105	8.669	215	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-118	0.7426	71	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-47 (bg)	0	0	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-48D (bg)	0	9	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-111 (bg)	0	-2	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-112 (bg)	-0.02728	-53	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-113 (bg)	-0.03972	-108	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-102	0.2417	60	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-103	0.4398	169	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWC-105	0.5259	180	92	Yes	22	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-47 (bg)	0.003321	10	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-48D (bg)	0	6	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-111 (bg)	0.03678	63	105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-112 (bg)	-0.007721	-35	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWA-113 (bg)	0.01828	107	111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	HGWC-101	0.01332	96	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-47 (bg)	-0.04309	-10	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-48D (bg)	-0.4966	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-111 (bg)	-0.02788	-60	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-112 (bg)	0.02747	50	92	No	22	27.27	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-113 (bg)	-0.8658	-169	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-101	-0.9656	-57	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-102	-2.837	-14	-68	No	18	5.556	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-103	12.48	112	98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-105	8.168	88	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-107	-2.284	-127	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-117A	1.026	8	30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-118	-2.012	-132	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-47 (bg)	3.012	16	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-48D (bg)	1.1	12	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-111 (bg)	3.489	40	92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-112 (bg)	0.313	7	87	No	21	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-113 (bg)	-0.1534	-8	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-102	19.56	42	68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-103	31.97	129	98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWC-105	37.2	179	98	Yes	23	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

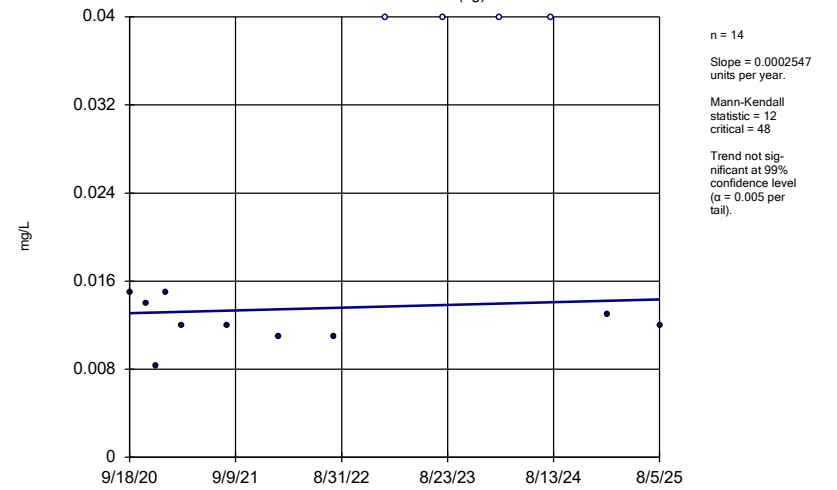
HGWA-47 (bg)



Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

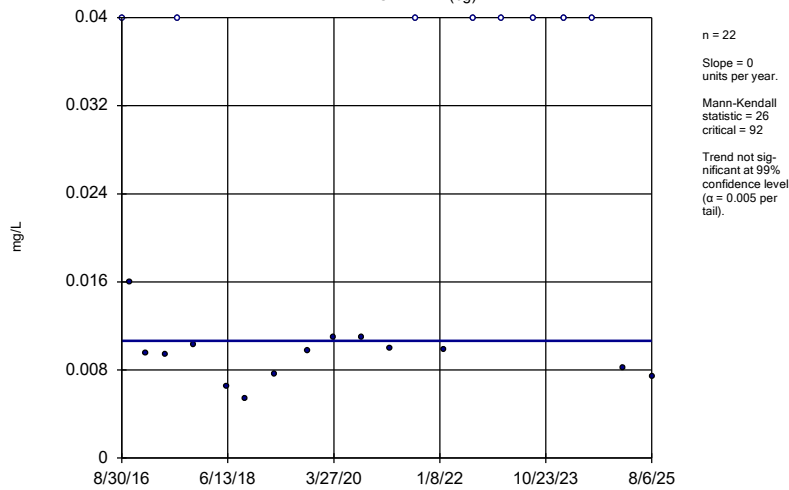
HGWA-48D (bg)



Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

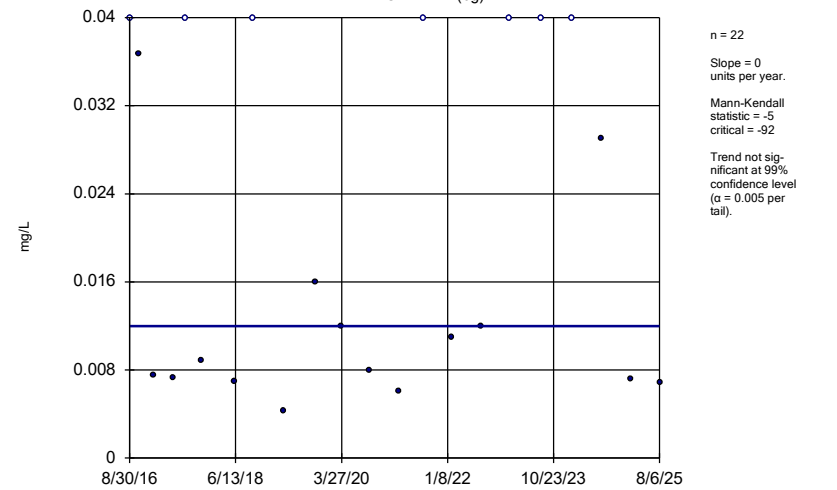
HGWA-111 (bg)



Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

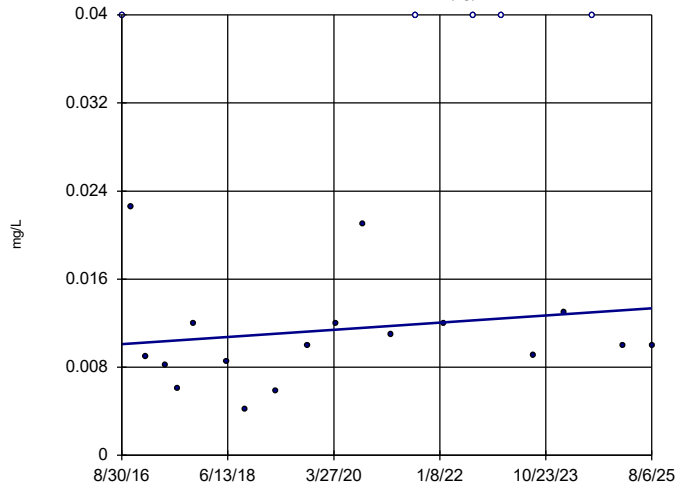
HGWA-112 (bg)



Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-113 (bg)

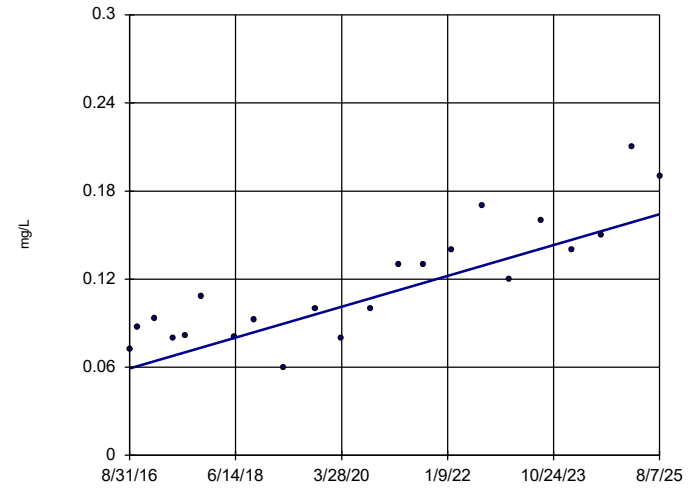


n = 22
Slope = 0.000365
units per year.
Mann-Kendall
statistic = 41
critical = 92
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-101

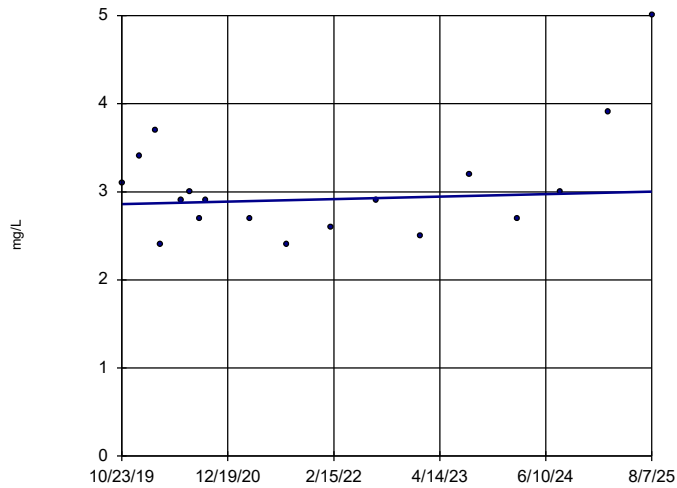


n = 22
Slope = 0.01177
units per year.
Mann-Kendall
statistic = 154
critical = 92
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-102

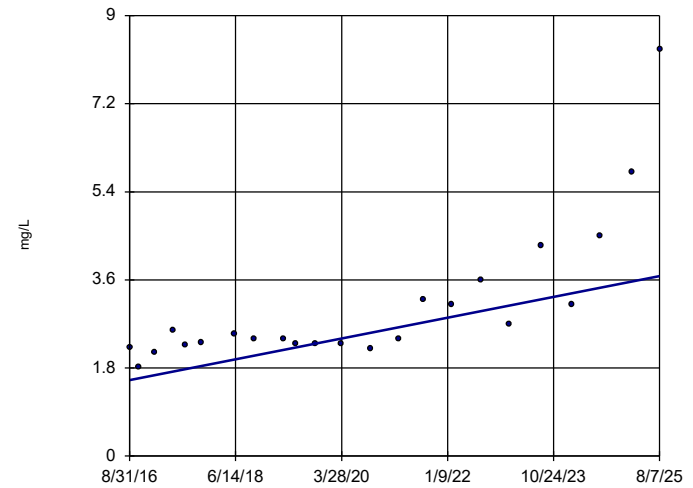


n = 18
Slope = 0.02412
units per year.
Mann-Kendall
statistic = 9
critical = 68
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-103

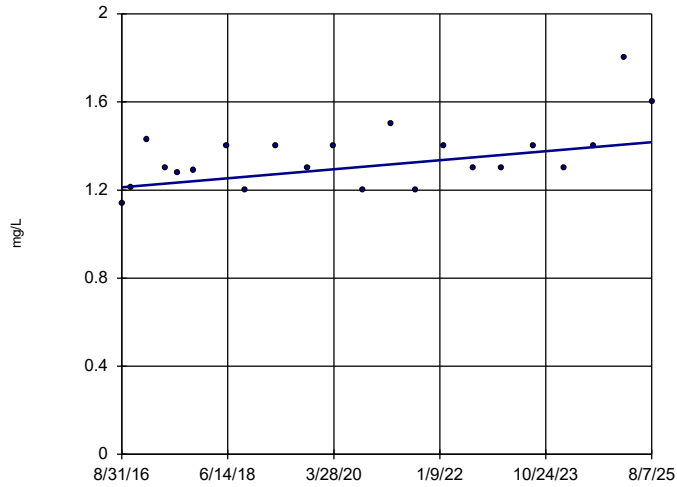


n = 23
Slope = 0.2378
units per year.
Mann-Kendall
statistic = 160
critical = 98
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-105

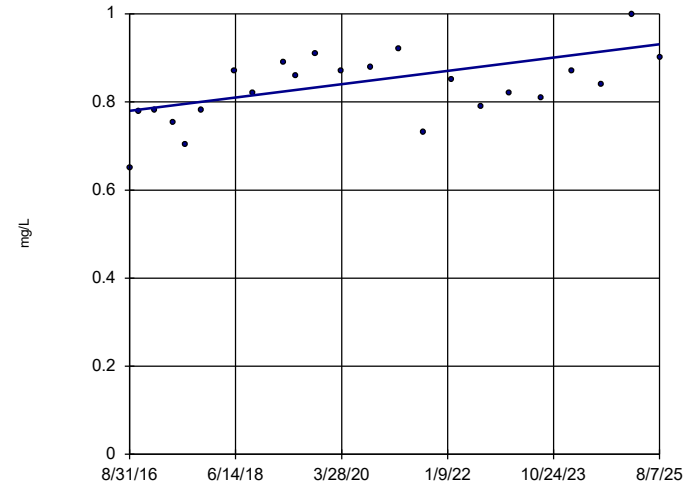


n = 22
 Slope = 0.02277
 units per year.
 Mann-Kendall
 statistic = 79
 critical = 92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-107

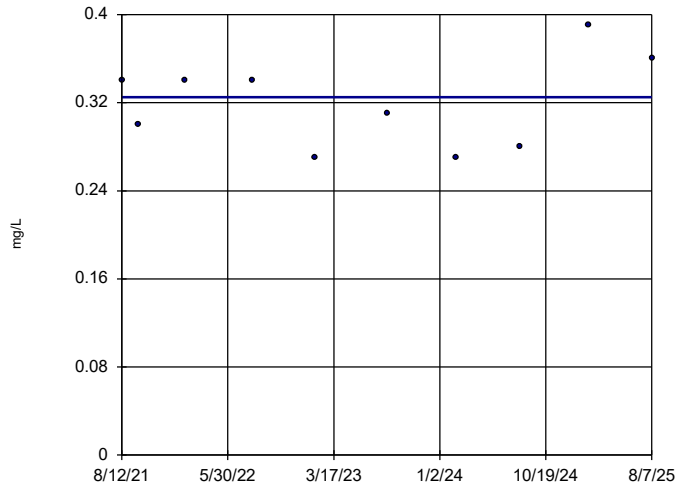


n = 23
 Slope = 0.0169
 units per year.
 Mann-Kendall
 statistic = 99
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-117A

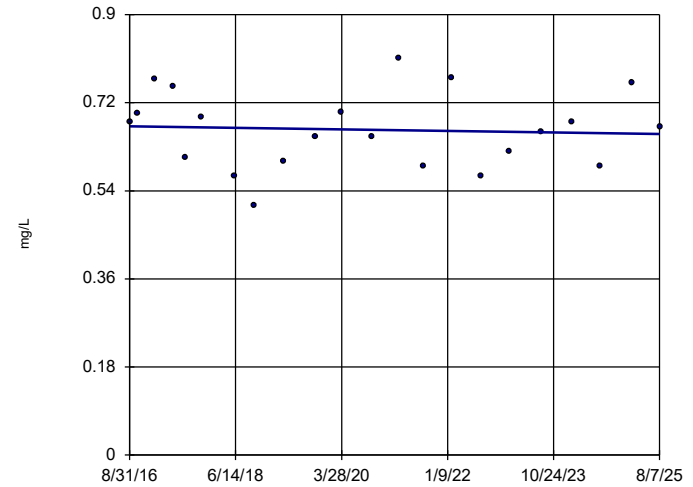


n = 10
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 3
 critical = 30
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-118

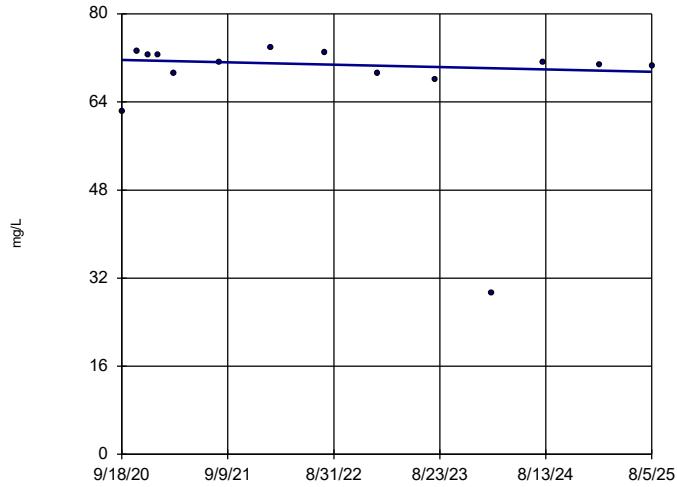


n = 22
 Slope = -0.001756
 units per year.
 Mann-Kendall
 statistic = -10
 critical = -92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

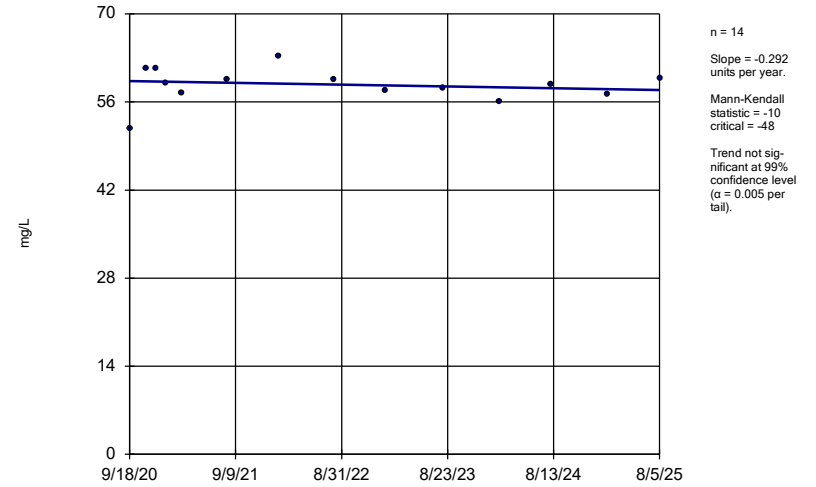
HGWA-47 (bg)



Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

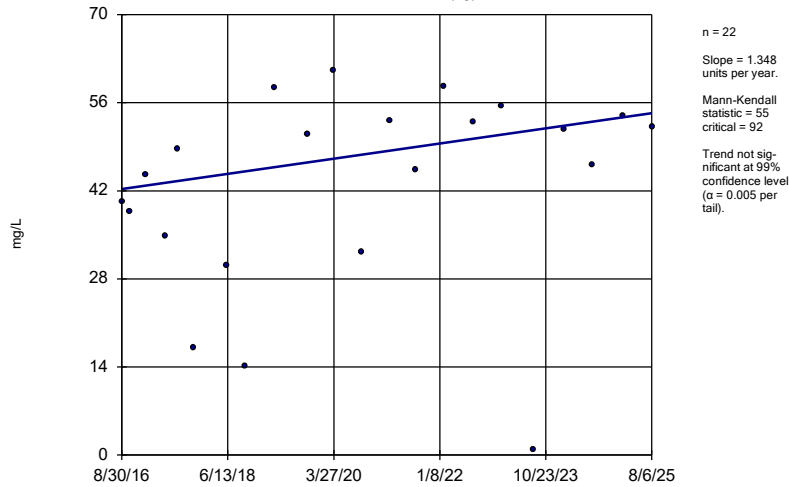
HGWA-48D (bg)



Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

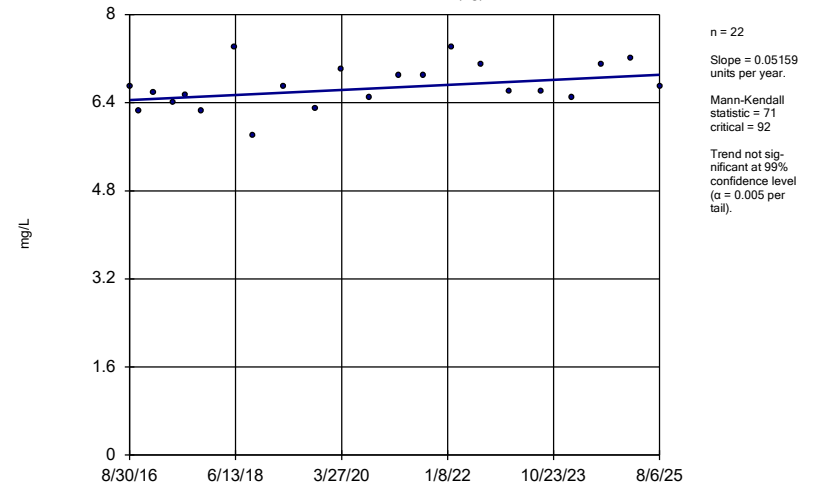
HGWA-111 (bg)



Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

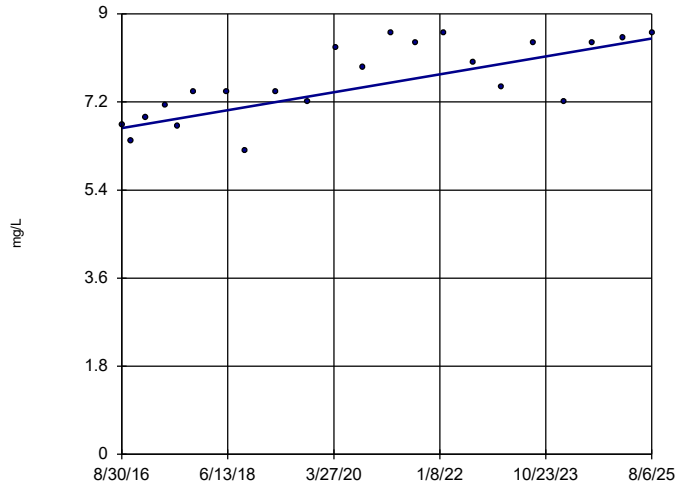
HGWA-112 (bg)



Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-113 (bg)

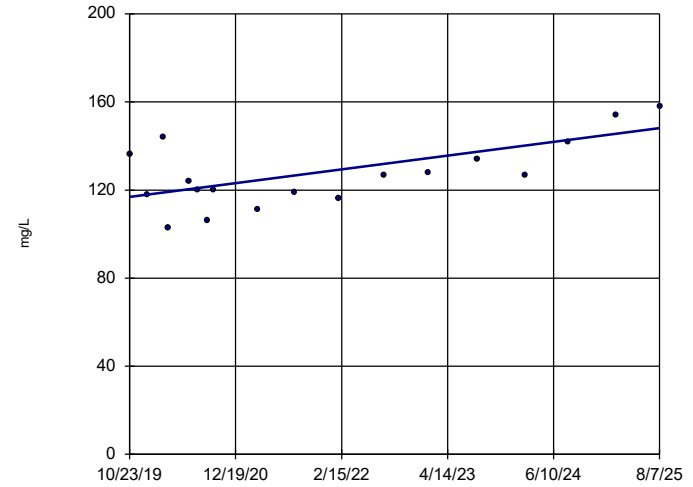


n = 22
 Slope = 0.2047
 units per year.
 Mann-Kendall
 statistic = 135
 critical = 92
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-102

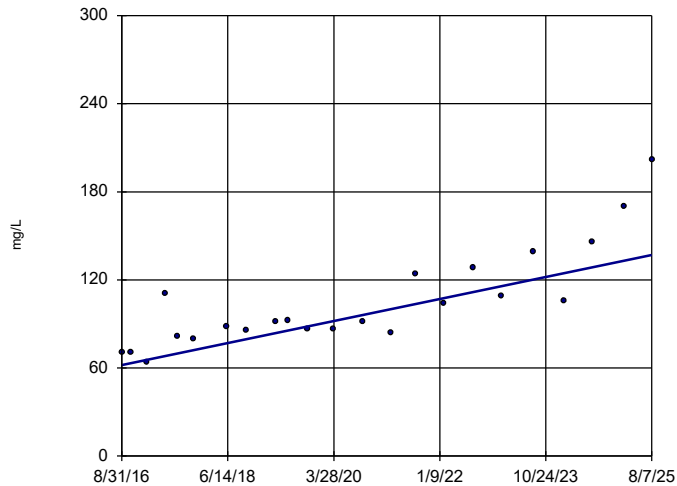


n = 18
 Slope = 5.397
 units per year.
 Mann-Kendall
 statistic = 59
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-103

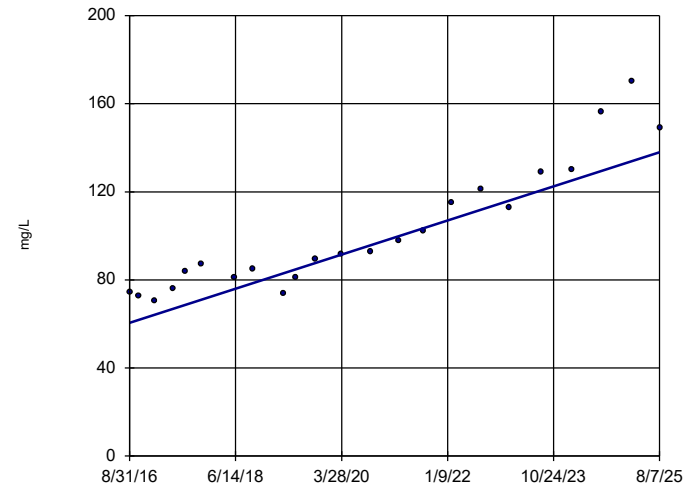


n = 23
 Slope = 8.401
 units per year.
 Mann-Kendall
 statistic = 175
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-105

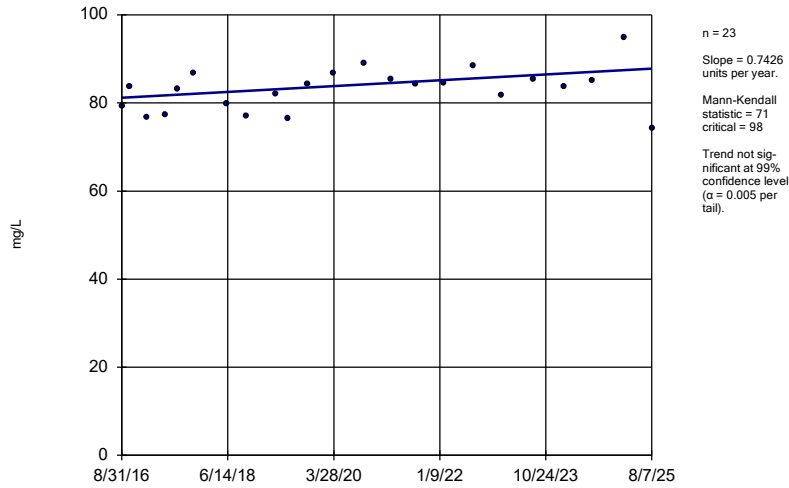


n = 23
 Slope = 8.669
 units per year.
 Mann-Kendall
 statistic = 215
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

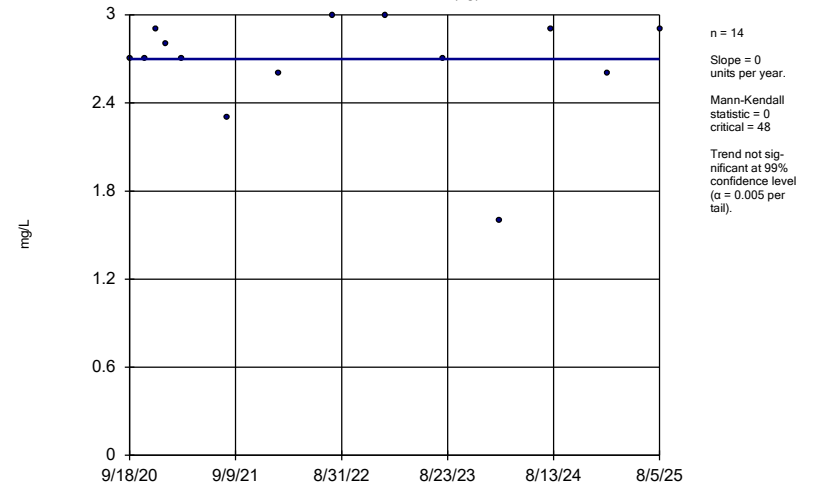
HGWC-118



Constituent: Calcium Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

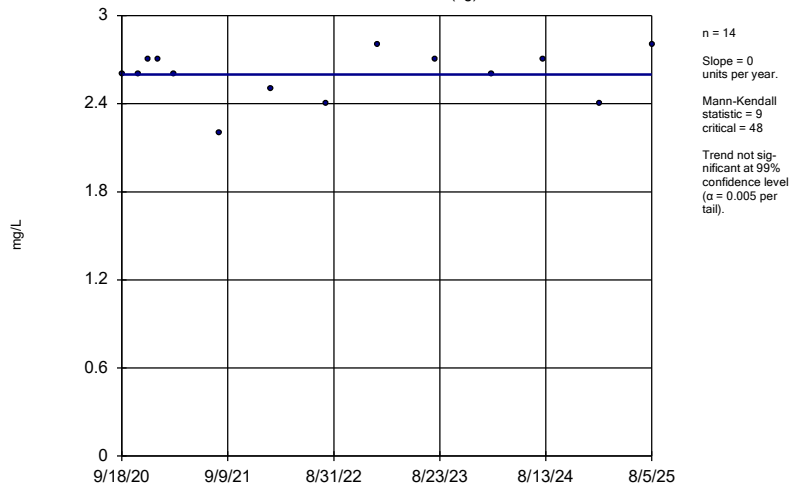
HGWA-47 (bg)



Constituent: Chloride Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

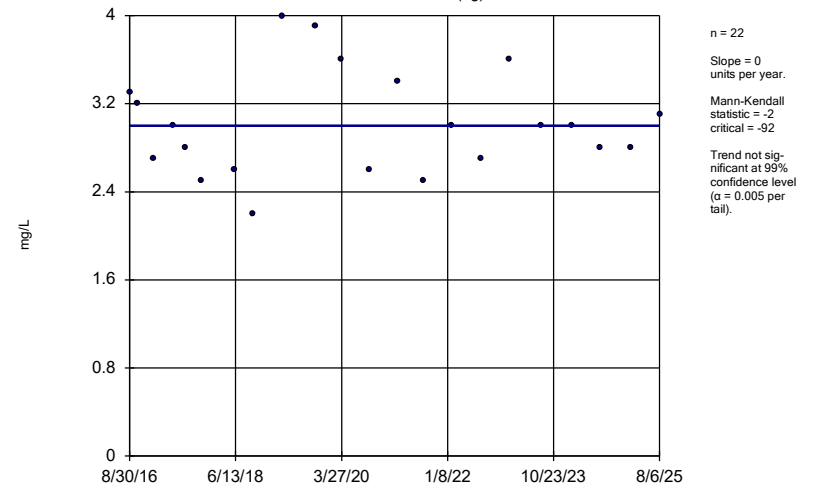
HGWA-48D (bg)



Constituent: Chloride Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

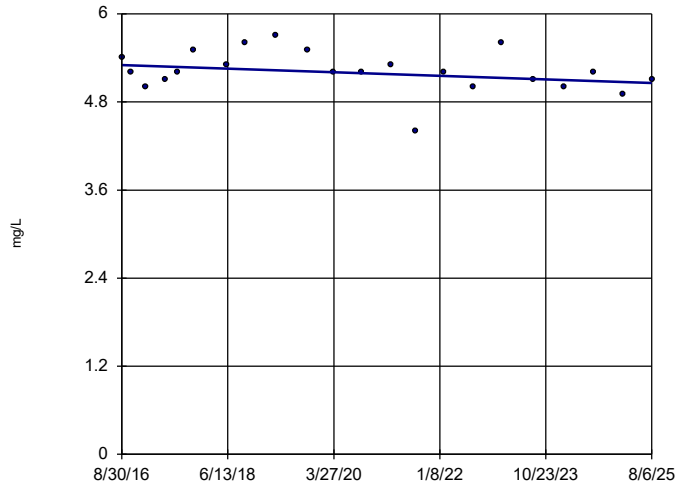
HGWA-111 (bg)



Constituent: Chloride Analysis Run 10/15/2025 2:28 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-112 (bg)

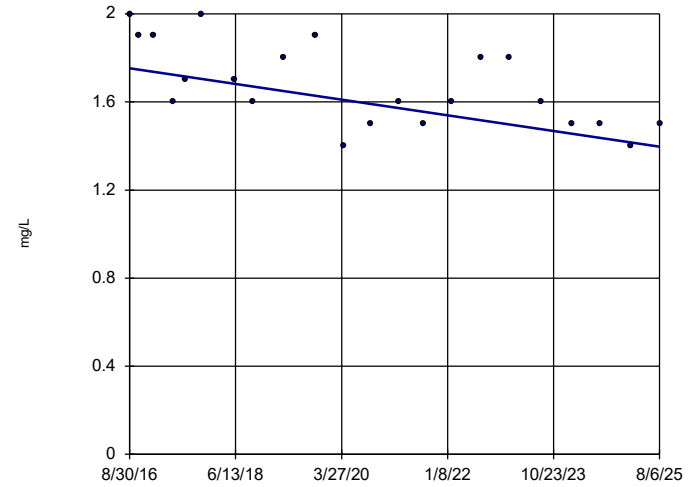


n = 22
Slope = -0.02728
units per year.
Mann-Kendall
statistic = -53
critical = -92
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chloride Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-113 (bg)

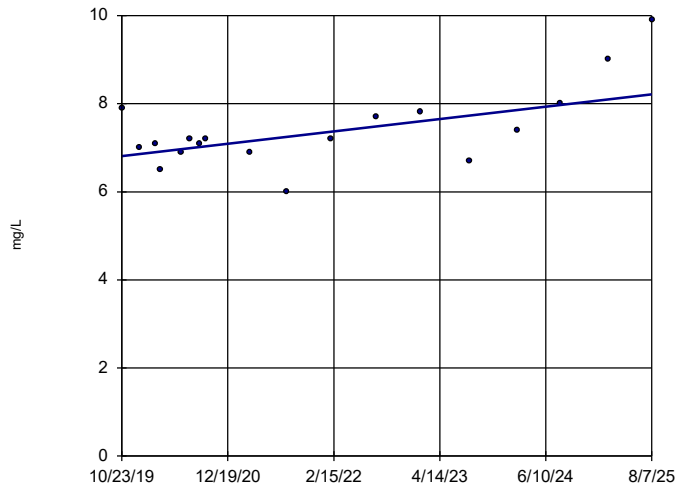


n = 22
Slope = -0.03972
units per year.
Mann-Kendall
statistic = -108
critical = -92
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chloride Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-102

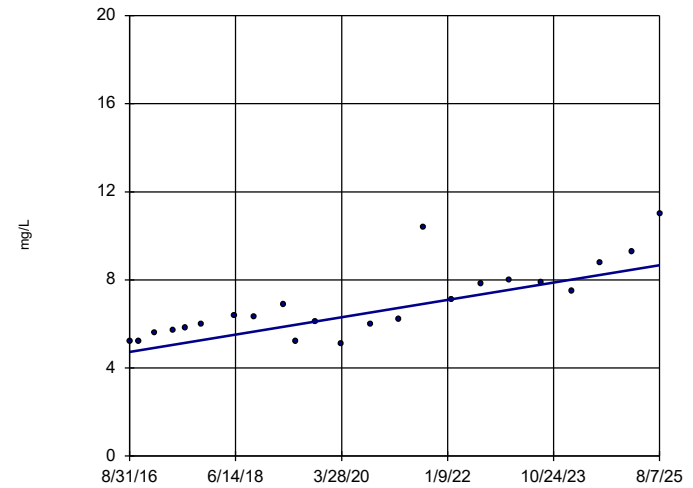


n = 18
Slope = 0.2417
units per year.
Mann-Kendall
statistic = 60
critical = 68
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chloride Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-103

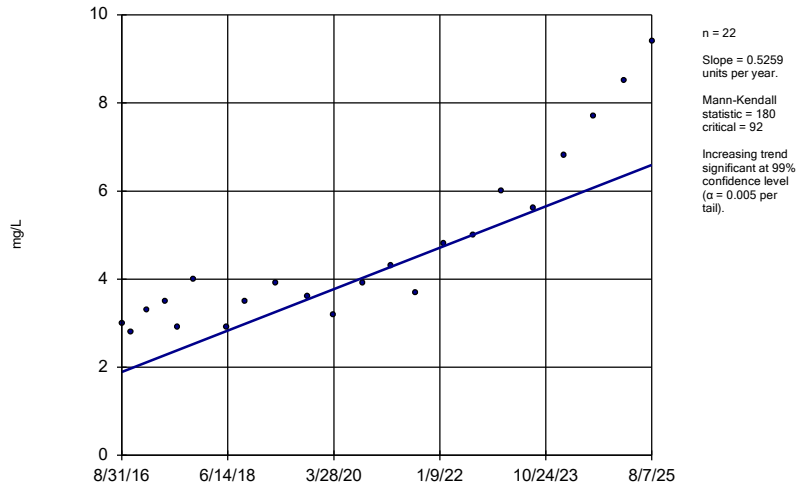


n = 23
Slope = 0.4398
units per year.
Mann-Kendall
statistic = 169
critical = 98
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chloride Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

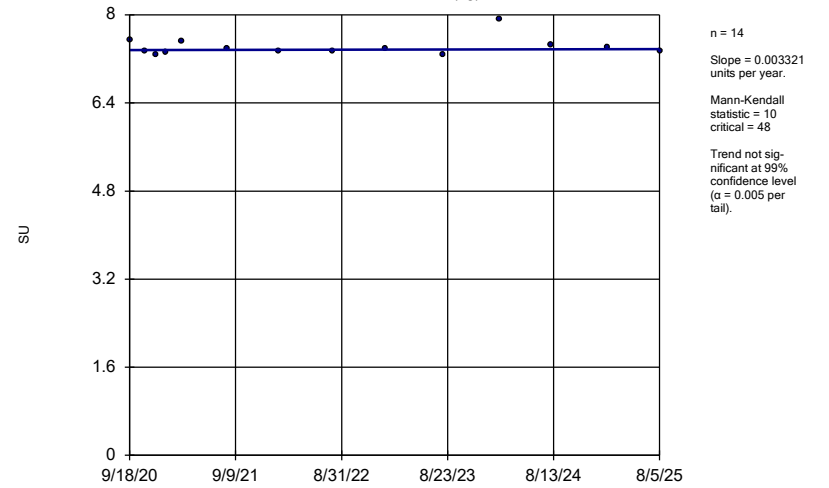
HGWC-105



Constituent: Chloride Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

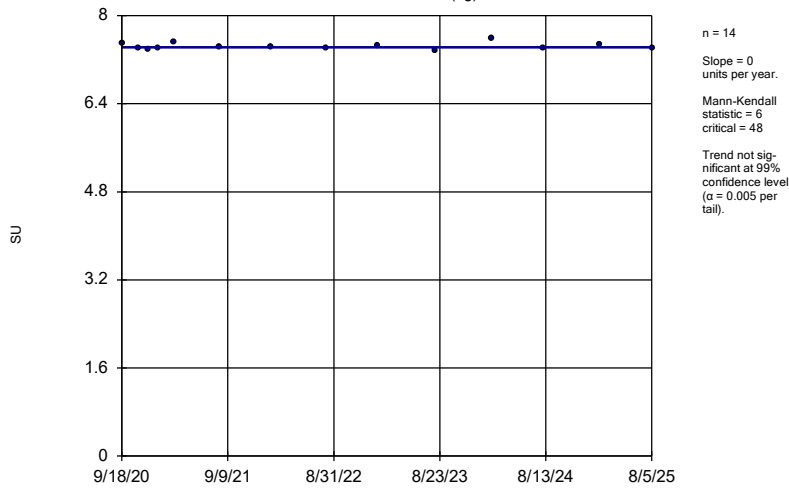
HGWA-47 (bg)



Constituent: pH, Field Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

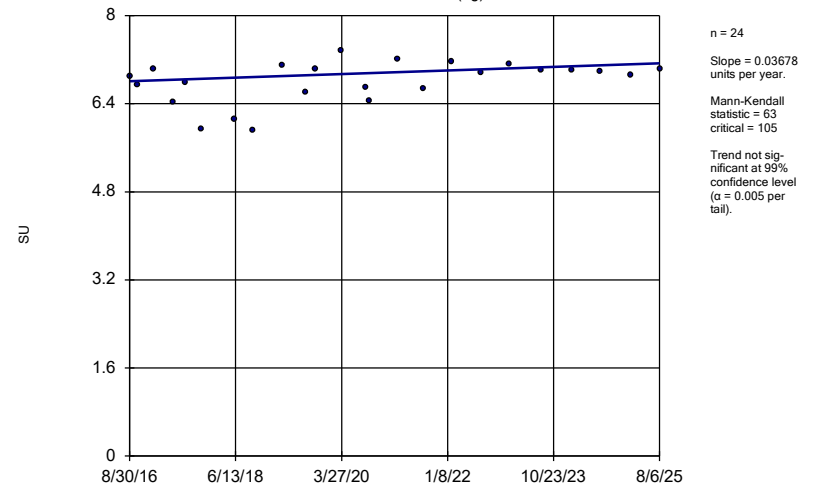
HGWA-48D (bg)



Constituent: pH, Field Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

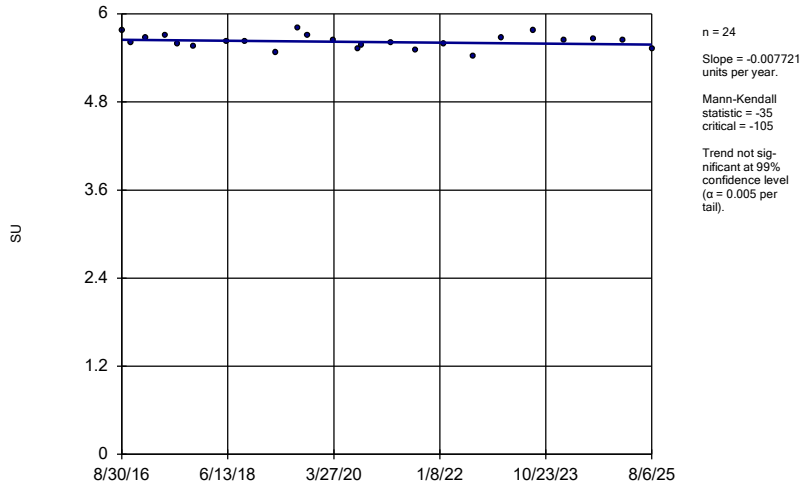
HGWA-111 (bg)



Constituent: pH, Field Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

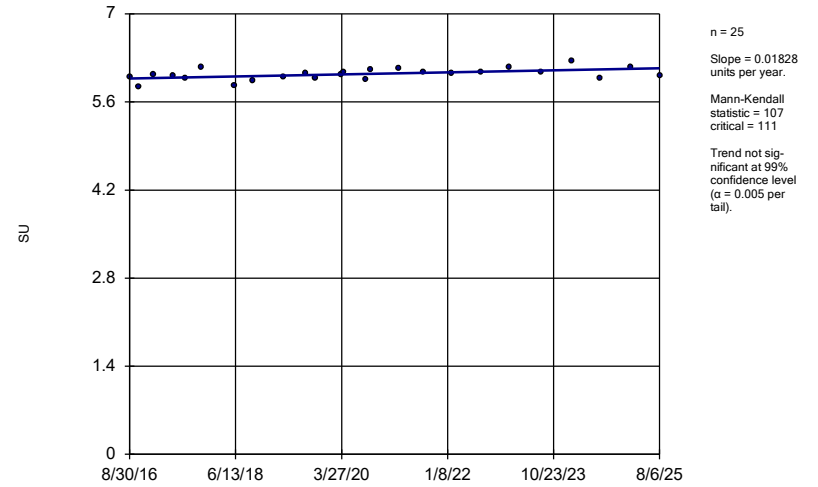
HGWA-112 (bg)



Constituent: pH, Field Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

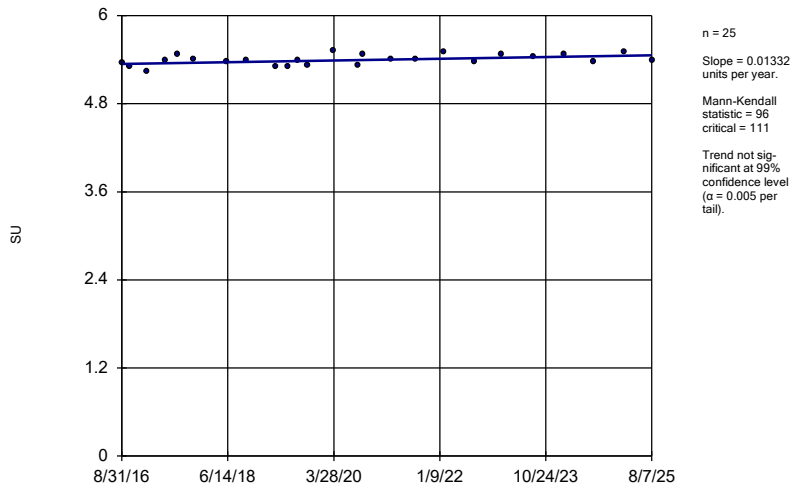
HGWA-113 (bg)



Constituent: pH, Field Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

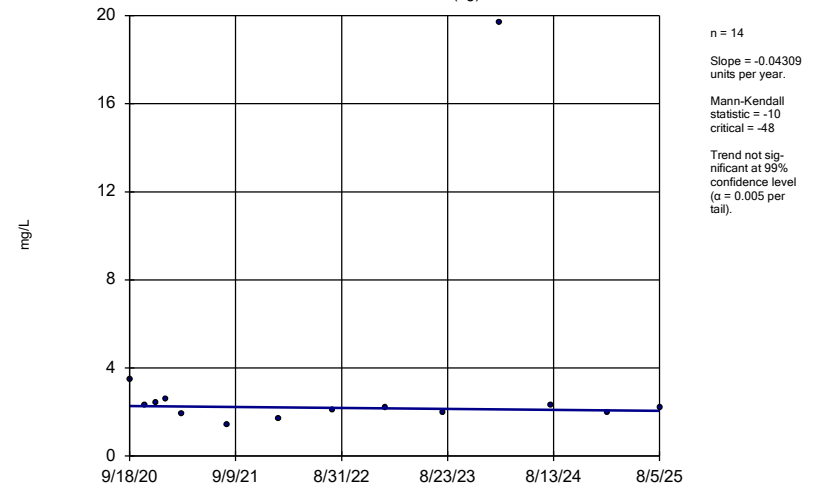
HGWC-101



Constituent: pH, Field Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

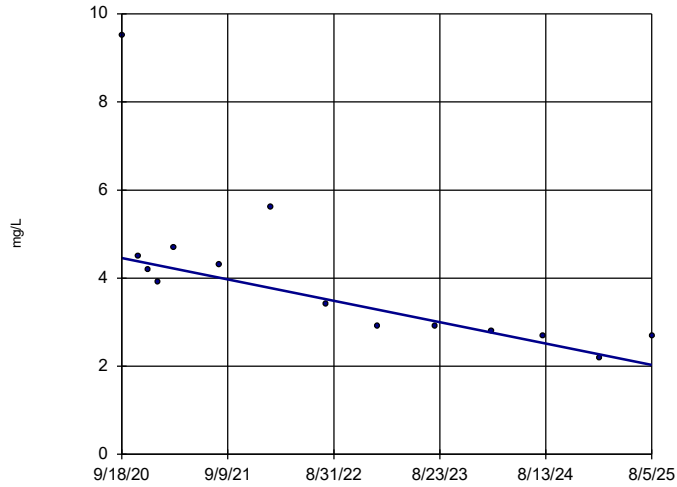
HGWA-47 (bg)



Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-48D (bg)

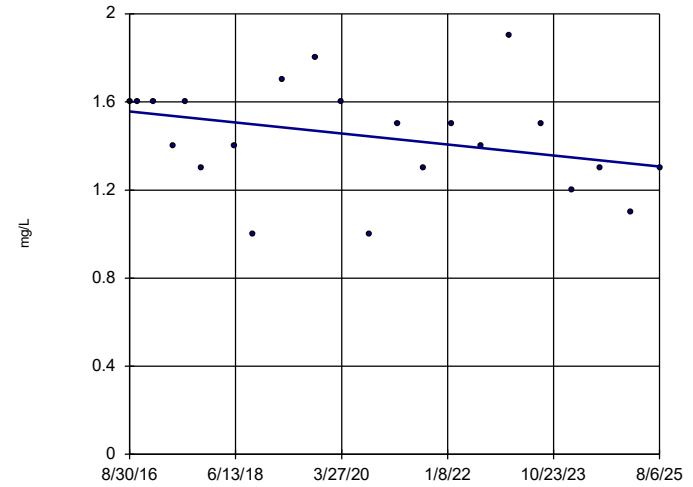


n = 14
 Slope = -0.4966
 units per year.
 Mann-Kendall
 statistic = -67
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-111 (bg)

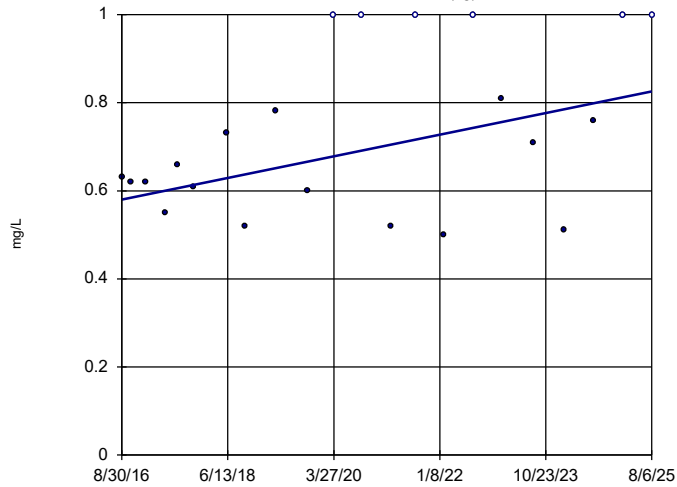


n = 22
 Slope = -0.02788
 units per year.
 Mann-Kendall
 statistic = -60
 critical = -92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-112 (bg)

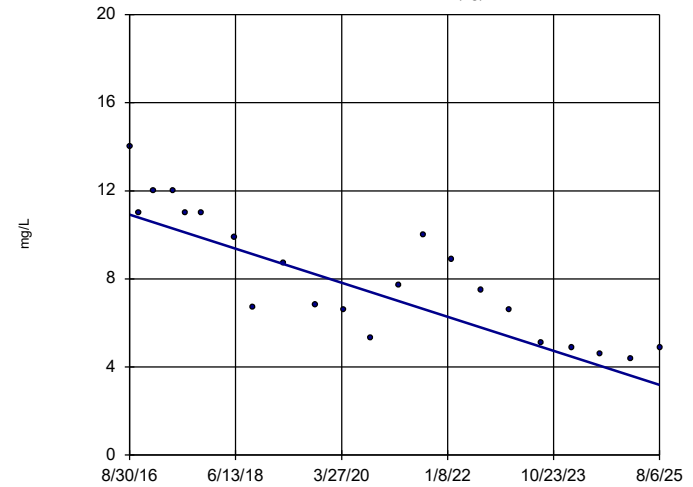


n = 22
 Slope = 0.02747
 units per year.
 Mann-Kendall
 statistic = 50
 critical = 92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-113 (bg)

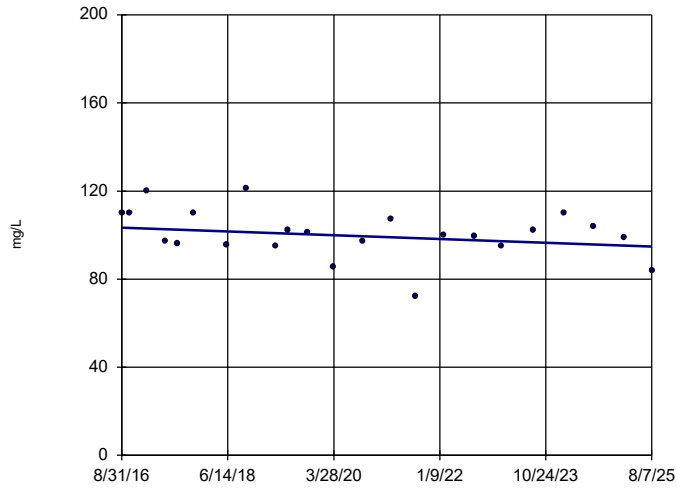


n = 22
 Slope = -0.8658
 units per year.
 Mann-Kendall
 statistic = -169
 critical = -92
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-101



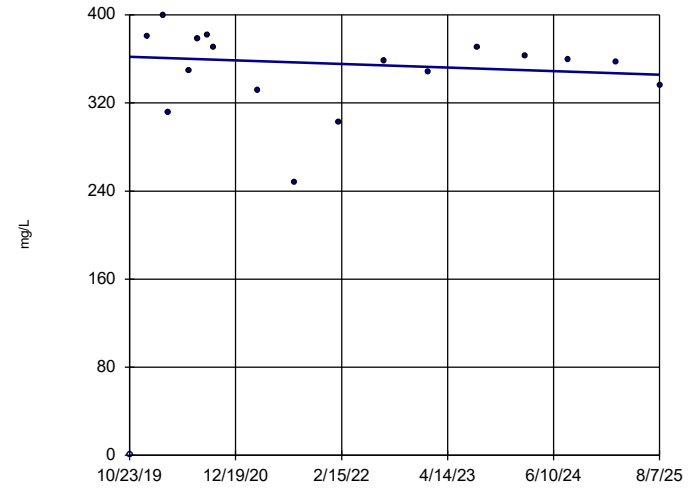
n = 23
 Slope = -0.9656
 units per year.
 Mann-Kendall
 statistic = -57
 critical = -98
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWC-102

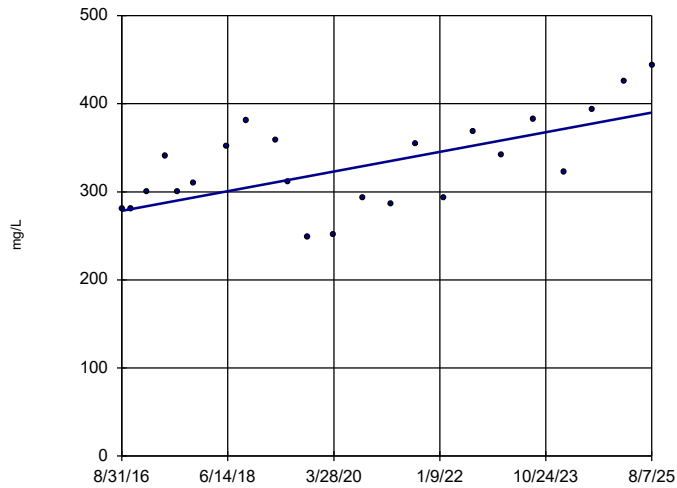


n = 18
 Slope = -2.837
 units per year.
 Mann-Kendall
 statistic = -14
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-103

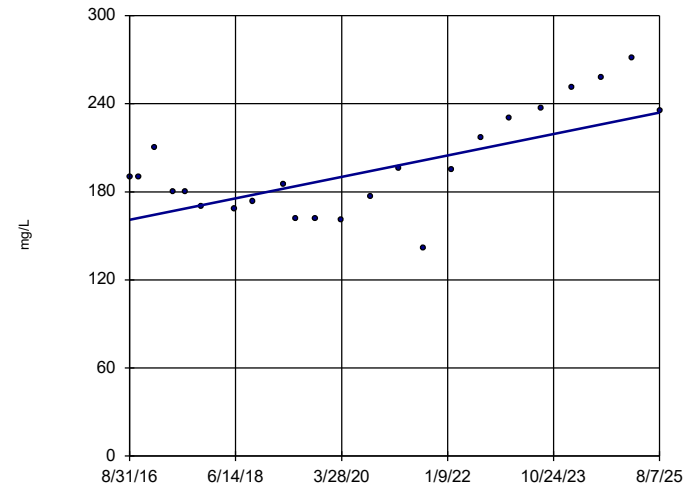


n = 23
 Slope = 12.48
 units per year.
 Mann-Kendall
 statistic = 112
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-105

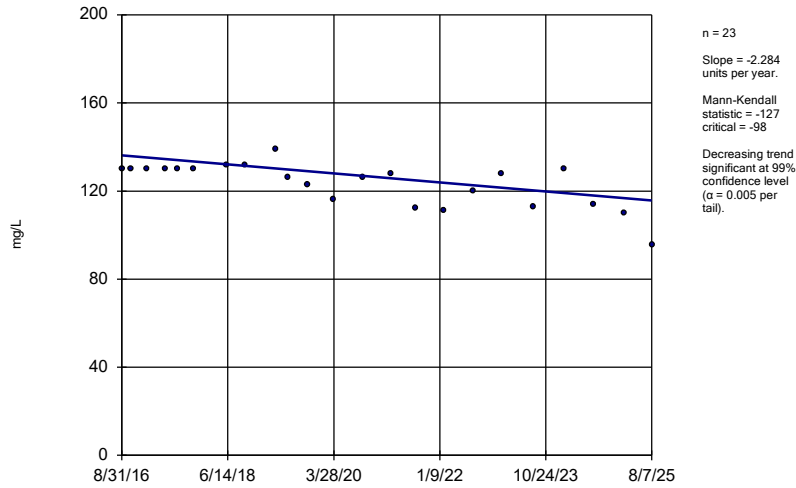


n = 23
 Slope = 8.168
 units per year.
 Mann-Kendall
 statistic = 88
 critical = 98
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

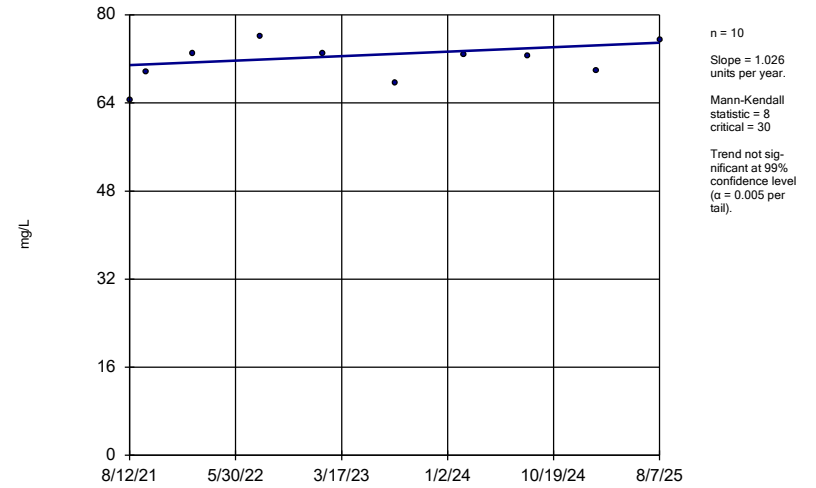
HGWC-107



Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

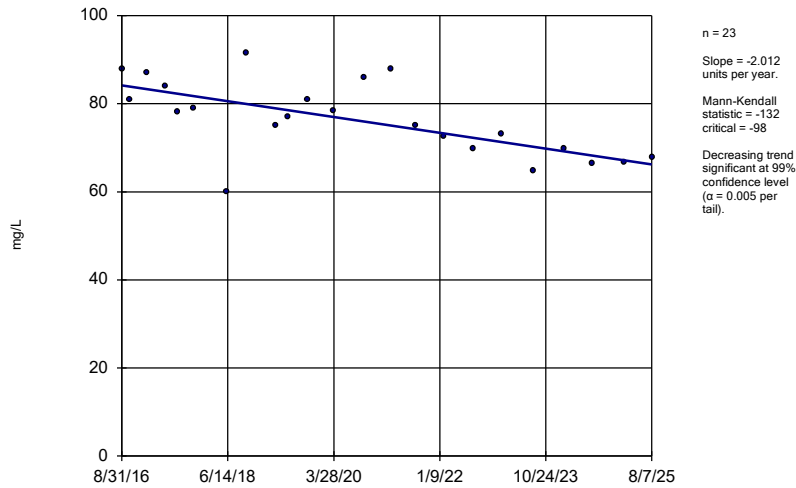
HGWC-117A



Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

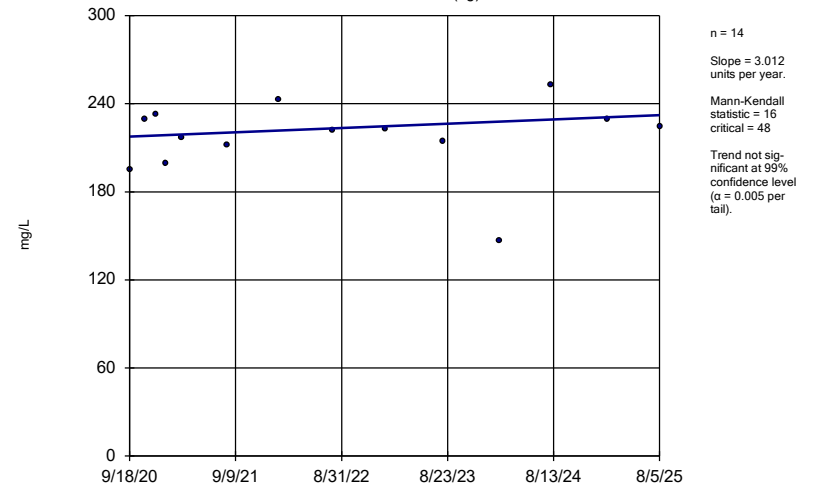
HGWC-118



Constituent: Sulfate Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

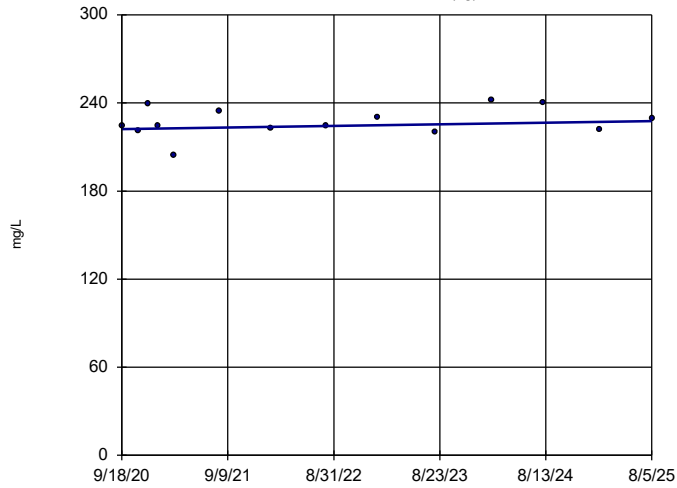
HGWA-47 (bg)



Constituent: TDS Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWA-48D (bg)

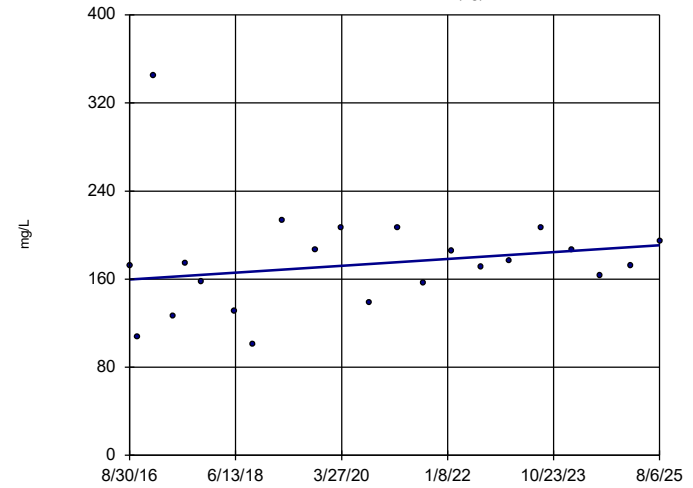


n = 14
 Slope = 1.1 units per year.
 Mann-Kendall statistic = 12
 critical = 48
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
 Plant Hammond Client: Southern Company Data: Hammond AP4

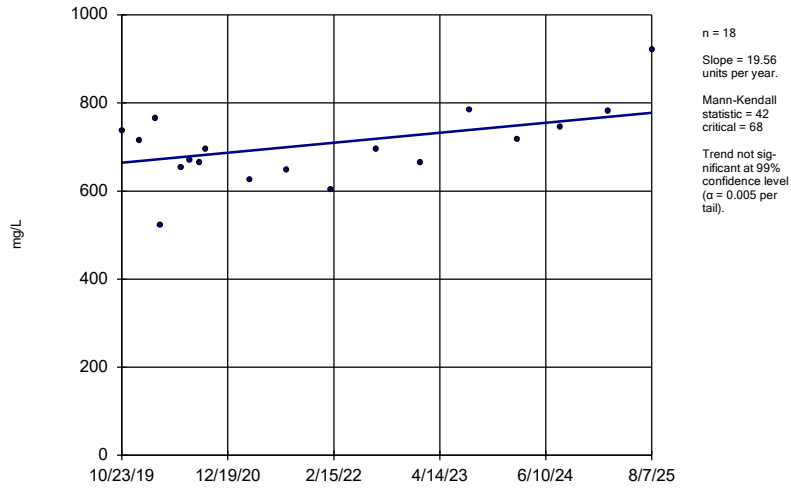
Sen's Slope Estimator

HGWA-111 (bg)



Sen's Slope Estimator

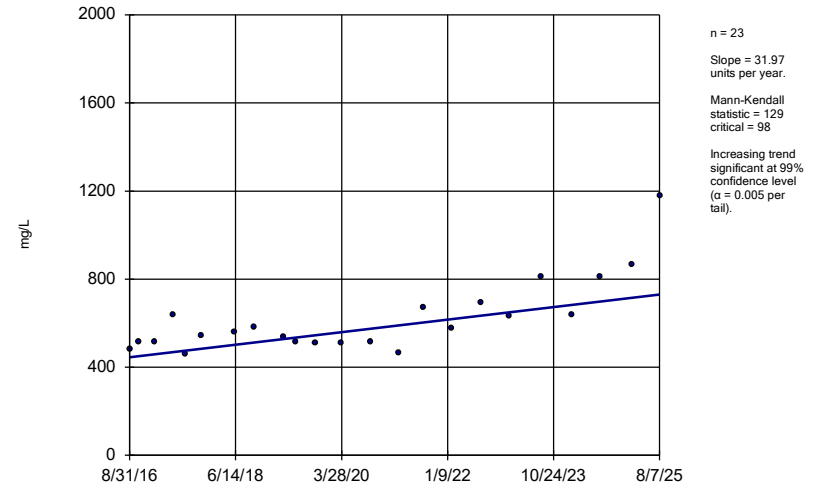
HGWC-102



Constituent: TDS Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

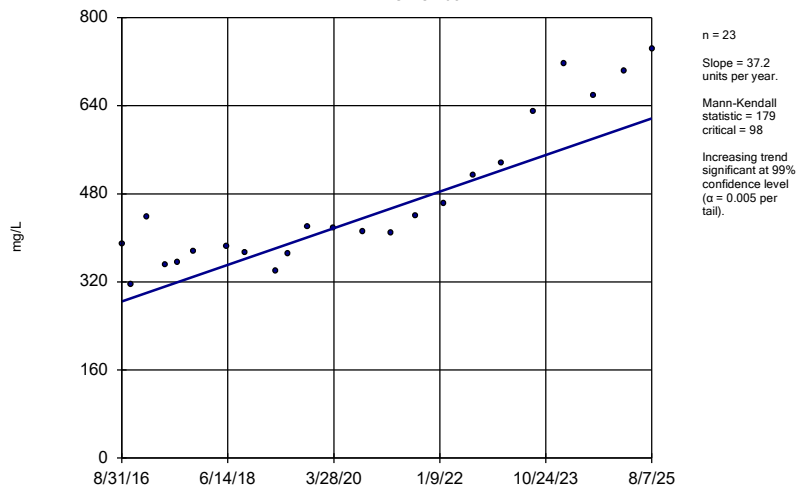
HGWC-103



Constituent: TDS Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

Sen's Slope Estimator

HGWC-105



Constituent: TDS Analysis Run 10/15/2025 2:29 PM View: Appendix III Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP4

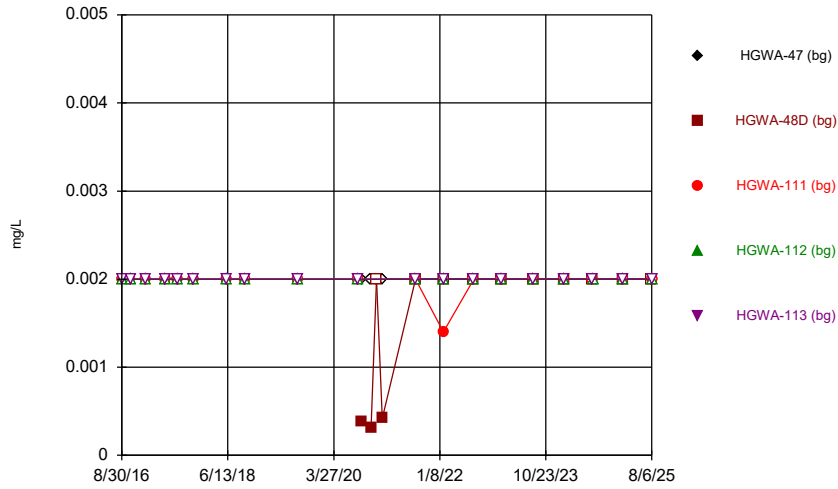
FIGURE F.

Upper Tolerance Limits Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/16/2025, 11:06 AM

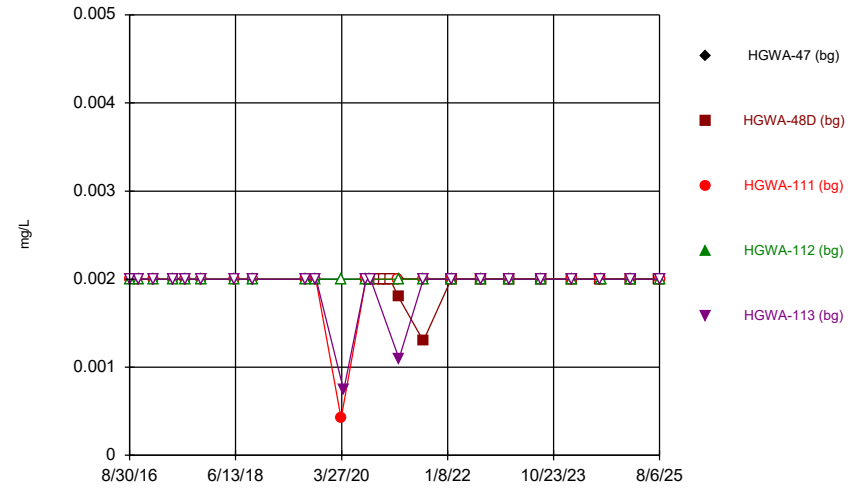
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	83	95.18	n/a	0.01416	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	97	94.85	n/a	0.006905	NP Inter(NDs)
Barium (mg/L)	n/a	0.12	n/a	n/a	n/a	n/a	97	0	n/a	0.006905	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0019	n/a	n/a	n/a	n/a	97	92.78	n/a	0.006905	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	97	100	n/a	0.006905	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0061	n/a	n/a	n/a	n/a	97	43.3	n/a	0.006905	NP Inter(normality)
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	97	91.75	n/a	0.006905	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.282	n/a	n/a	n/a	n/a	97	0	No	0.05	Inter
Fluoride (mg/L)	n/a	0.23	n/a	n/a	n/a	n/a	100	18	n/a	0.005921	NP Inter(normality)
Lead (mg/L)	n/a	0.0016	n/a	n/a	n/a	n/a	97	77.32	n/a	0.006905	NP Inter(NDs)
Lithium (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a	97	35.05	n/a	0.006905	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	83	85.54	n/a	0.01416	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	83	84.34	n/a	0.01416	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	83	79.52	n/a	0.01416	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	83	100	n/a	0.01416	NP Inter(NDs)

Time Series



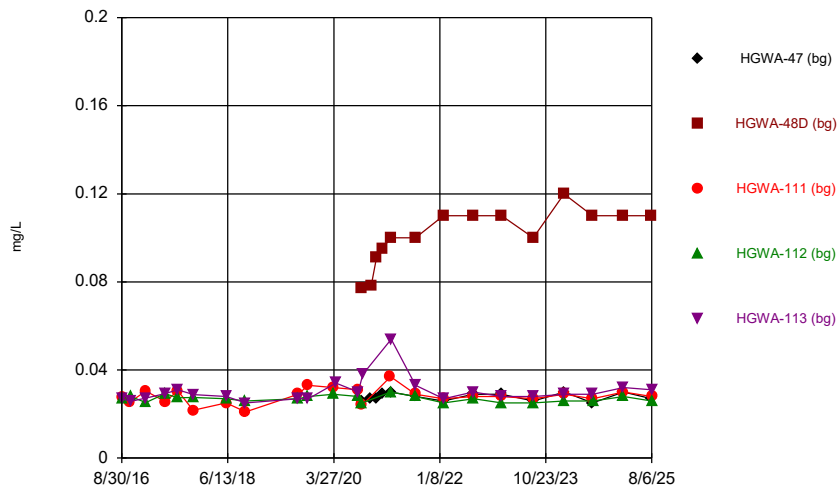
Constituent: Antimony Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



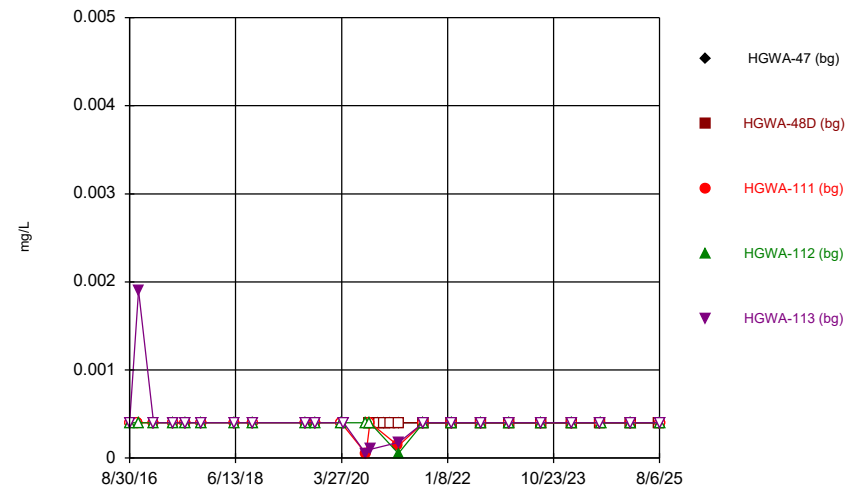
Constituent: Arsenic Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



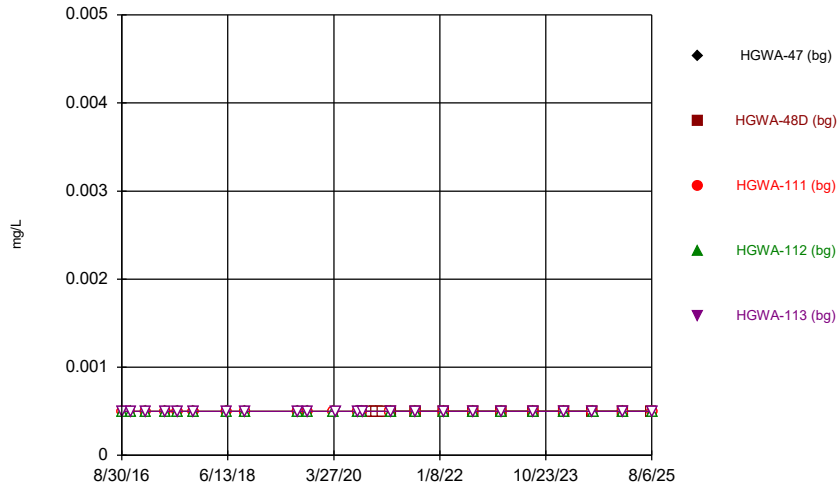
Constituent: Barium Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



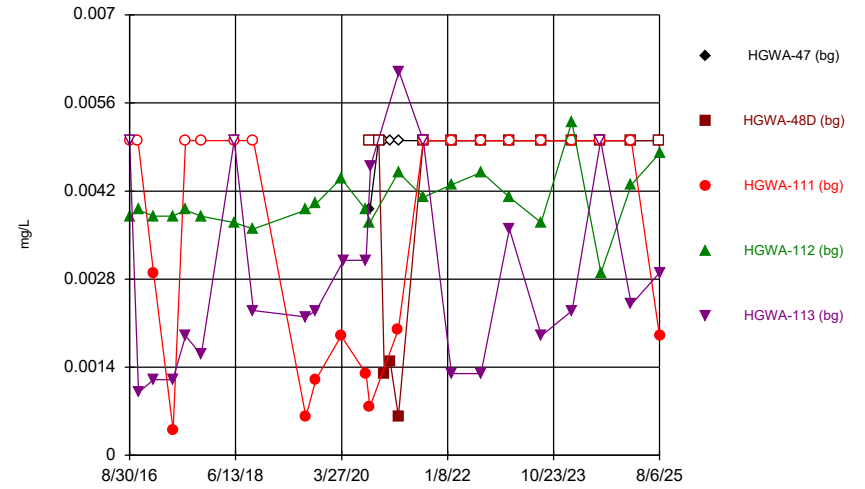
Constituent: Beryllium Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



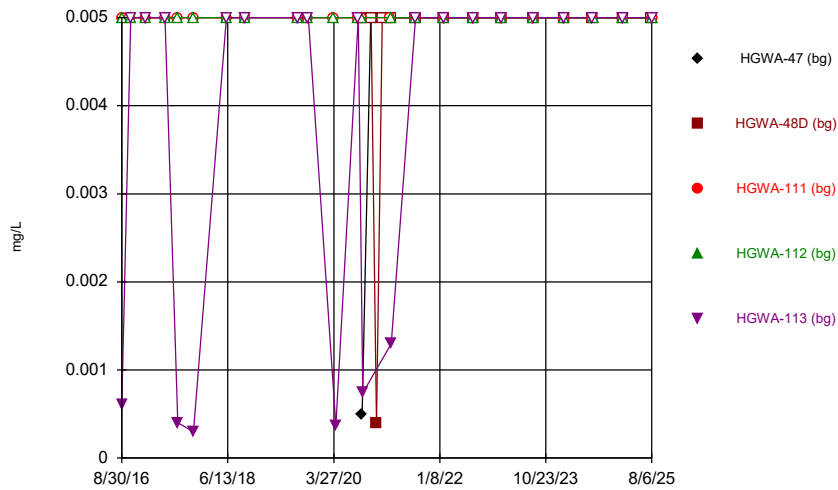
Constituent: Cadmium Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



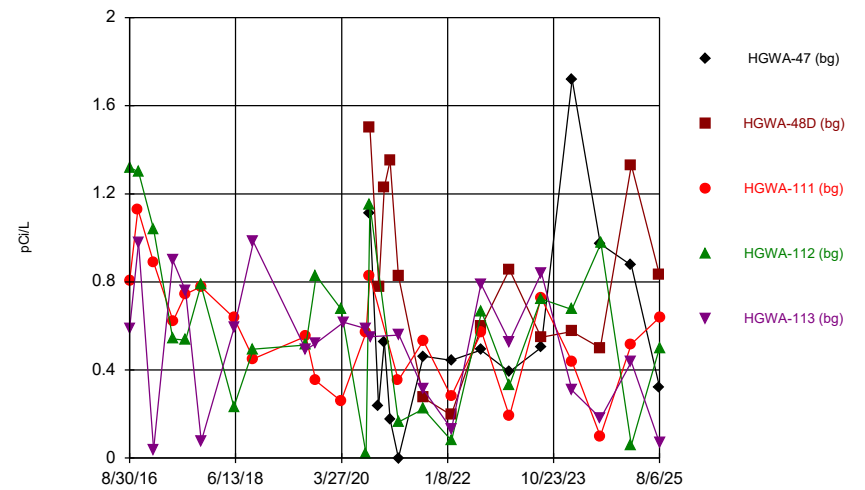
Constituent: Chromium Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



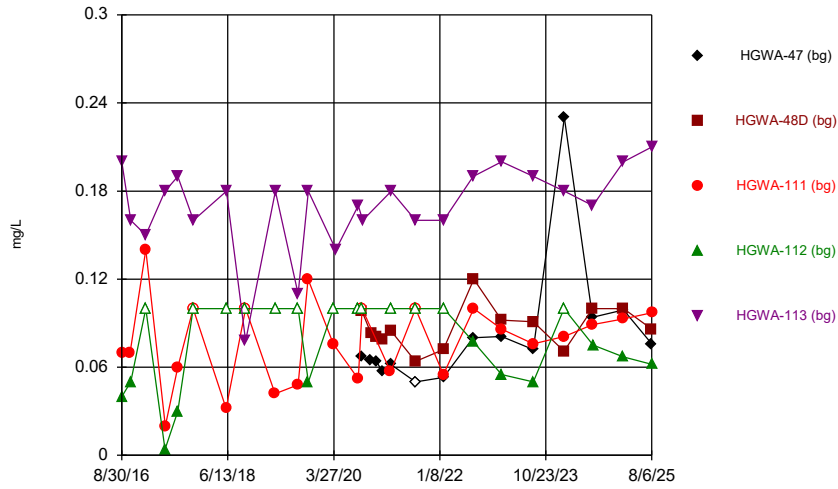
Constituent: Cobalt Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



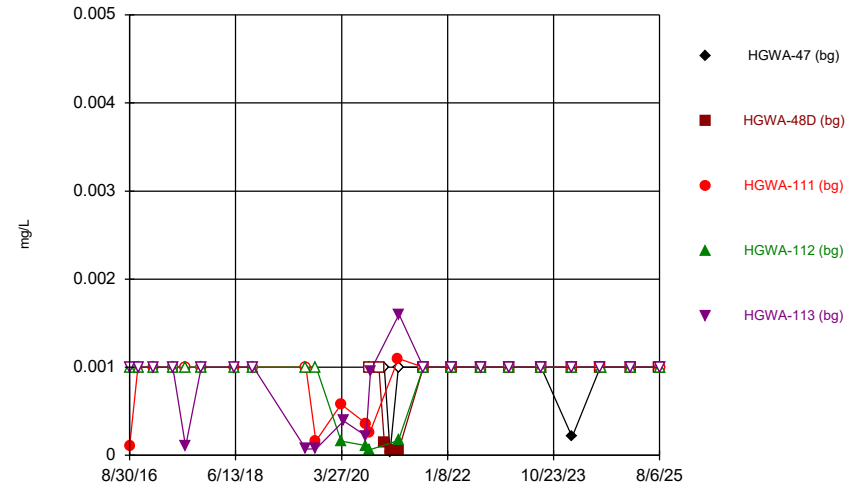
Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



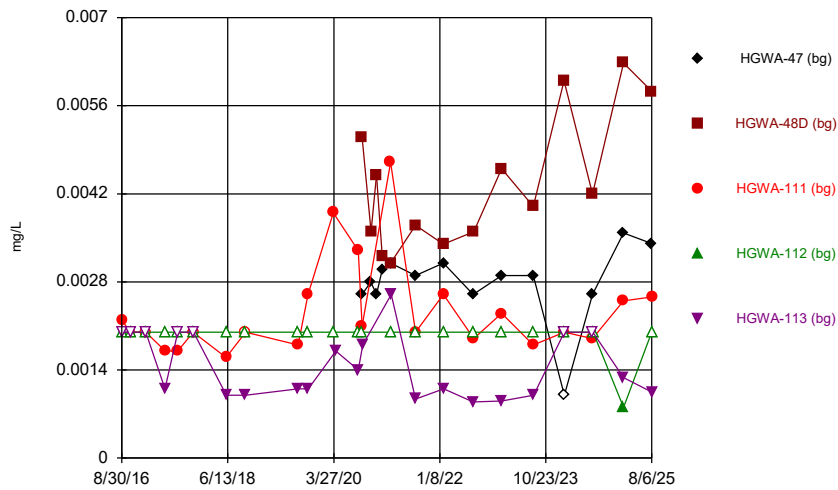
Constituent: Fluoride Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



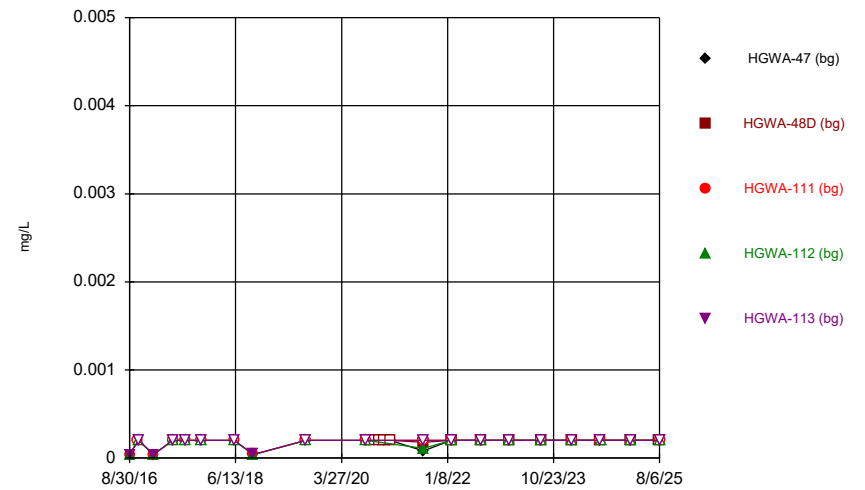
Constituent: Lead Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



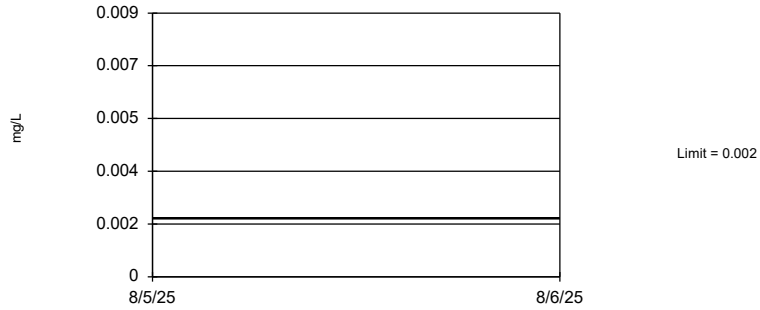
Constituent: Lithium Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Time Series



Constituent: Mercury Analysis Run 10/16/2025 11:04 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

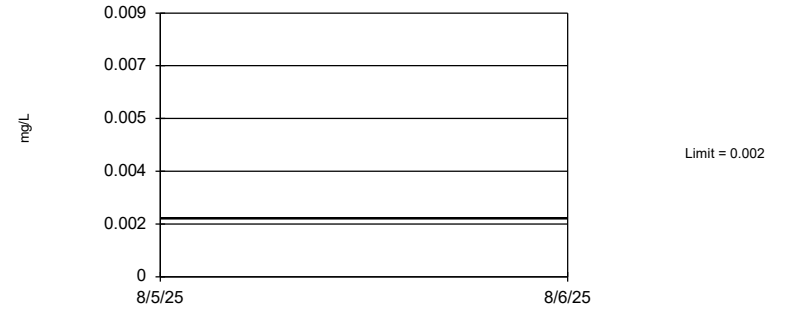
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 83 background values. 95.18% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01416.

Constituent: Antimony Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 97 background values. 94.85% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Arsenic Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

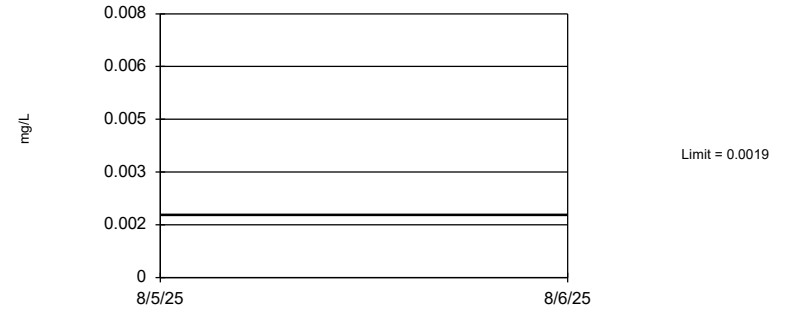
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 97 background values. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Barium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

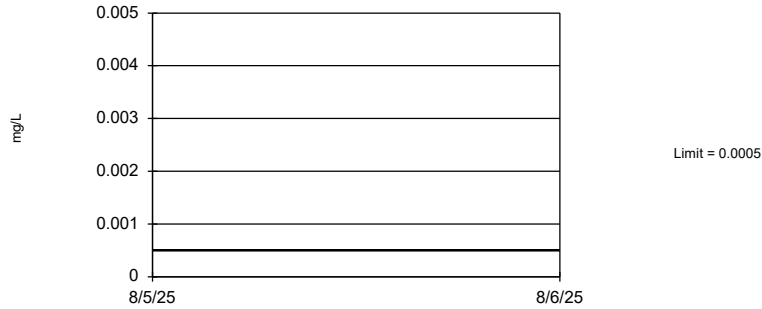
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 97 background values. 92.78% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Beryllium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

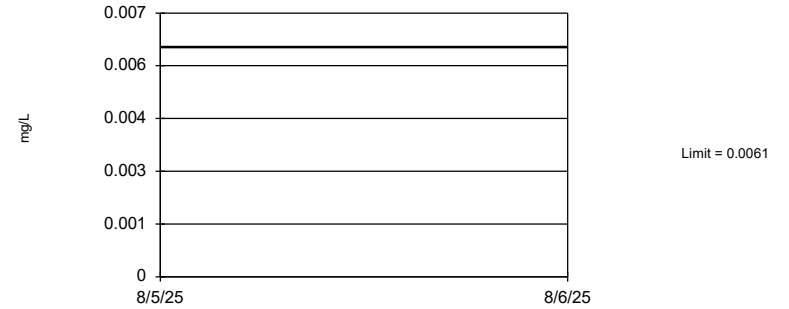
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Cadmium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 97 background values. 43.3% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Chromium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

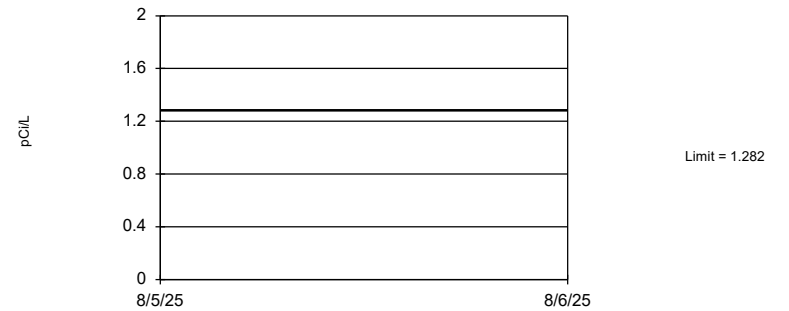
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 97 background values. 91.75% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Cobalt Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

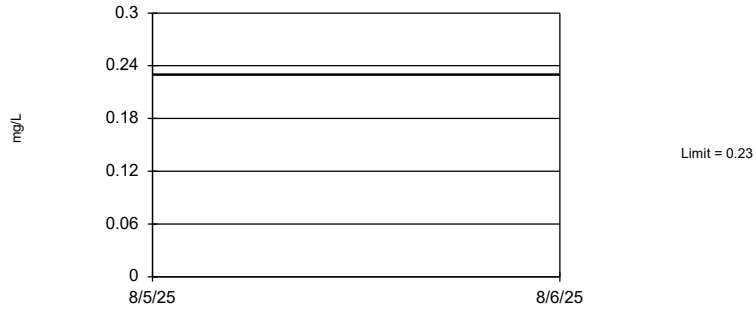
Tolerance Limit Interwell Parametric



95% coverage. Background Data Summary: Mean=0.6007, Std. Dev.=0.353, n=97. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.967, critical = 0.965. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

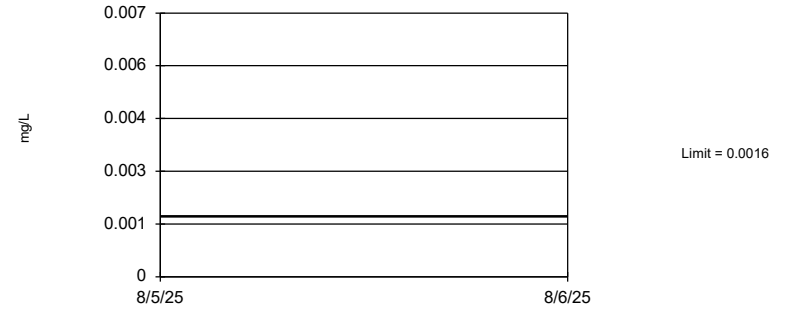
Tolerance Limit Interwell Non-parametric



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 100 background values. 18% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.005921.

Constituent: Fluoride Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

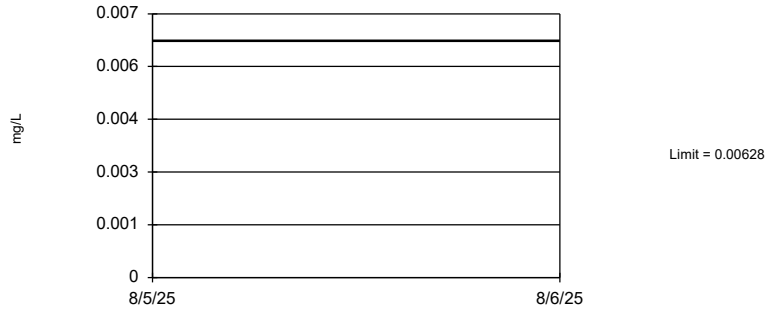
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 97 background values. 77.32% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Lead Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

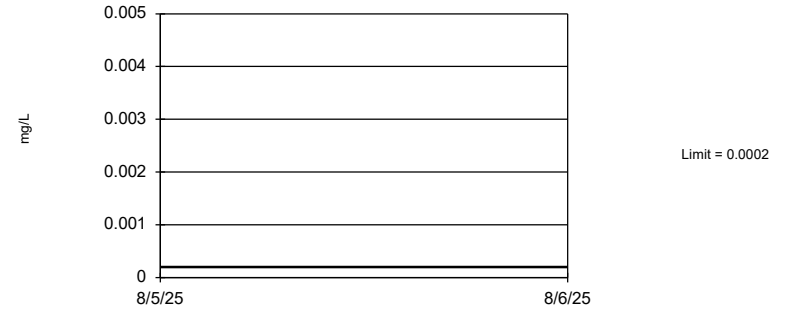
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 97 background values. 35.05% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006905.

Constituent: Lithium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

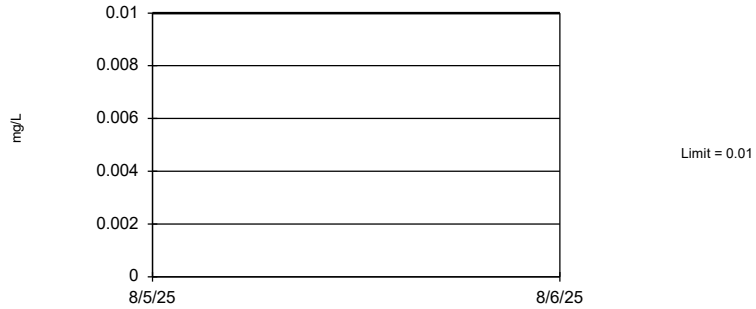
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 83 background values. 85.54% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01416.

Constituent: Mercury Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 83 background values. 84.34% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01416.

Constituent: Molybdenum Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

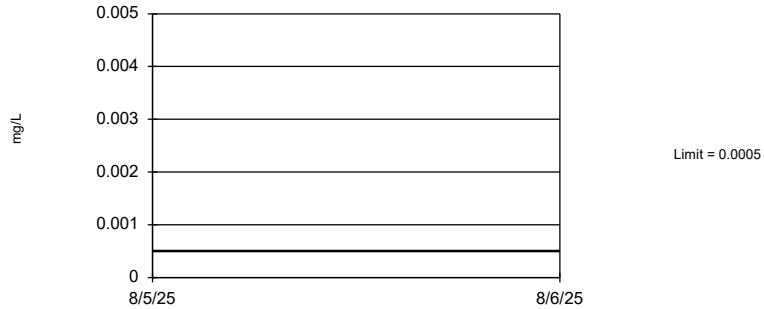
Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 83 background values. 79.52% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01416.

Constituent: Selenium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

Tolerance Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01416.

Constituent: Thallium Analysis Run 10/16/2025 11:05 AM View: UTLs
Plant Hammond Client: Southern Company Data: Hammond AP4

FIGURE G.

PLANT HAMMOND AP-4 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		0.002	0.01
Barium, Total (mg/L)	2		0.12	2
Beryllium, Total (mg/L)	0.004		0.0019	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0061	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.28	5
Fluoride, Total (mg/L)	4		0.23	4
Lead, Total (mg/L)	n/a	0.015	0.0016	0.015
Lithium, Total (mg/L)	n/a	0.040	0.0063	0.040
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

**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 AP4 Printed 10/16/2025, 11:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-102	0.003	0.00076	0.006	No	17	0.000398	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-103	0.0022	0.002	0.006	No	19	0.00004588	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-107	0.002	0.0011	0.006	No	19	0.0002065	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-101	0.002	0.00039	0.01	No	23	0.0003357	95.65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-102	0.002	0.00092	0.01	No	18	0.0005822	72.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-103	0.002	0.0015	0.01	No	23	0.0001043	95.65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-109	0.002807	0.001602	0.01	No	23	0.001331	13.04	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	HGWC-118	0.002	0.001	0.01	No	23	0.0002085	95.65	None	No	0.01	NP (NDs)
Barium (mg/L)	HGWC-101	0.04351	0.03774	2	No	23	0.005515	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-102	0.03213	0.02776	2	No	18	0.003605	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-103	0.03943	0.03488	2	No	23	0.004347	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-105	0.08064	0.07051	2	No	23	0.009823	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	HGWC-107	0.03831	0.03547	2	No	23	0.002716	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-109	0.08554	0.07981	2	No	23	0.005473	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-117A	0.06119	0.04324	2	No	10	0.01098	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	HGWC-118	0.05809	0.0477	2	No	23	0.009926	0	None	No	0.01	Param.
Beryllium (mg/L)	HGWC-101	0.0004	0.000064	0.004	No	23	0.0001709	56.52	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-103	0.0004	0.000088	0.004	No	23	0.0001284	82.61	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-118	0.0004	0.000093	0.004	No	23	0.00006401	95.65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-101	0.0002003	0.0001444	0.005	No	23	0.00005343	13.04	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-102	0.0007357	0.0003645	0.005	No	18	0.0003481	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	HGWC-103	0.0007869	0.0006983	0.005	No	23	0.00008476	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-107	0.0005	0.00011	0.005	No	23	0.0001883	69.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-117A	0.0005	0.0005	0.005	No	10	0.0001075	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	HGWC-101	0.005	0.00098	0.1	No	23	0.001651	82.61	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-102	0.005	0.00063	0.1	No	18	0.001433	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-103	0.005	0.0015	0.1	No	23	0.001847	69.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-105	0.005	0.0013	0.1	No	23	0.001661	82.61	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-107	0.005	0.00074	0.1	No	23	0.0008883	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-109	0.005	0.0014	0.1	No	23	0.001156	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-118	0.005	0.0021	0.1	No	23	0.001604	78.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-101	0.002735	0.00223	0.006	No	23	0.0004821	4.348	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-102	0.001874	0.001111	0.006	No	18	0.0007821	5.556	None	ln(x)	0.01	Param.
Cobalt (mg/L)	HGWC-103	0.002325	0.001861	0.006	No	23	0.0005278	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	HGWC-105	0.005	0.00047	0.006	No	23	0.002047	30.43	None	No	0.01	NP (normality)
Cobalt (mg/L)	HGWC-109	0.001996	0.001251	0.006	No	23	0.0007115	8.696	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-117A	0.001208	0.0004503	0.006	No	10	0.001803	20	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	HGWC-118	0.005	0.00048	0.006	No	23	0.002273	56.52	Kaplan-Meier	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	HGWC-101	0.9023	0.4589	5	No	23	0.4239	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-102	1.085	0.6278	5	No	18	0.3778	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-103	0.8186	0.4677	5	No	23	0.3355	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-105	0.808	0.4954	5	No	23	0.2988	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-107	0.9401	0.4892	5	No	23	0.4311	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-109	0.7463	0.4615	5	No	23	0.2723	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-117A	0.8223	0.2625	5	No	10	0.3137	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-118	1.012	0.4887	5	No	22	0.4874	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-101	0.1	0.068	4	No	24	0.01958	79.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-102	0.22	0.076	4	No	18	0.03172	77.78	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-103	0.13	0.077	4	No	24	0.02079	70.83	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-105	0.1	0.07	4	No	24	0.0274	54.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-107	0.1	0.065	4	No	24	0.03213	54.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	HGWC-109	0.1233	0.08754	4	No	24	0.03504	8.333	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-117A	0.09895	0.05392	4	No	10	0.02433	20	Kaplan-Meier	x^2	0.01	Param.
Fluoride (mg/L)	HGWC-118	0.14	0.072	4	No	25	0.1717	0	None	No	0.01	NP (normality)
Lead (mg/L)	HGWC-101	0.001	0.0009	0.015	No	23	0.00002085	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-102	0.001	0.00011	0.015	No	18	0.0002098	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-103	0.001	0.00043	0.015	No	23	0.0003431	73.91	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-105	0.001	0.000085	0.015	No	23	0.0003624	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-107	0.001	0.00034	0.015	No	23	0.000321	82.61	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-109	0.001	0.000058	0.015	No	23	0.000272	91.3	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-118	0.001	0.00088	0.015	No	23	0.0002987	78.26	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-101	0.002	0.000781	0.04	No	23	0.0002542	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-102	0.001257	0.001079	0.04	No	18	0.000147	11.11	None	No	0.01	Param.
Lithium (mg/L)	HGWC-103	0.001598	0.001338	0.04	No	23	0.0002632	21.74	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	HGWC-105	0.004432	0.003925	0.04	No	23	0.0005031	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	HGWC-107	0.002	0.00091	0.04	No	23	0.0005457	43.48	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-109	0.002	0.0009	0.04	No	23	0.0005379	47.83	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-117A	0.004676	0.003608	0.04	No	10	0.0005984	0	None	No	0.01	Param.

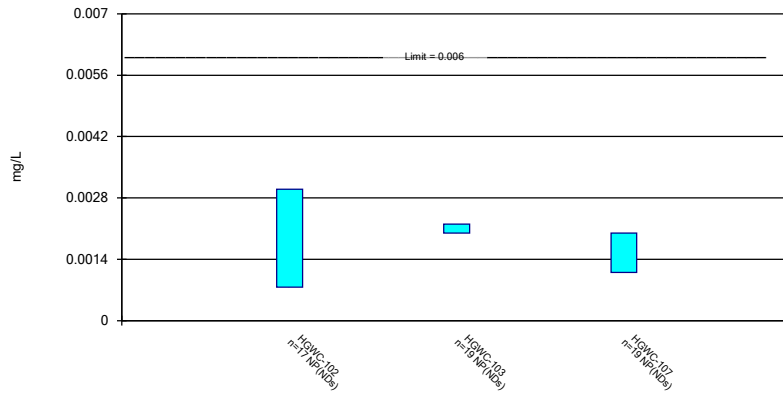
Appendix IV Confidence Intervals - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Hammond AP4 Printed 10/16/2025, 11:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	HGWC-118	0.002025	0.001422	0.04	No	23	0.000451	30.43	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	HGWC-101	0.0002	0.000099	0.002	No	19	0.00003281	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-102	0.0002	0.0001	0.002	No	17	0.00002425	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-103	0.00025	0.00017	0.002	No	19	0.00005197	68.42	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-105	0.00022	0.0002	0.002	No	19	0.00004588	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-107	0.0002	0.000084	0.002	No	19	0.00002661	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-109	0.0002	0.00008	0.002	No	19	0.00003784	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-117A	0.0002	0.0002	0.002	No	10	0.00003352	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	HGWC-118	0.0002	0.00009	0.002	No	19	0.00003613	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-102	0.005	0.0015	0.05	No	17	0.0008489	94.12	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-103	0.005	0.0019	0.05	No	19	0.0007112	94.74	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-105	0.005	0.0049	0.05	No	19	0.0007561	89.47	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-102	0.0005	0.00008	0.002	No	17	0.0001019	94.12	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

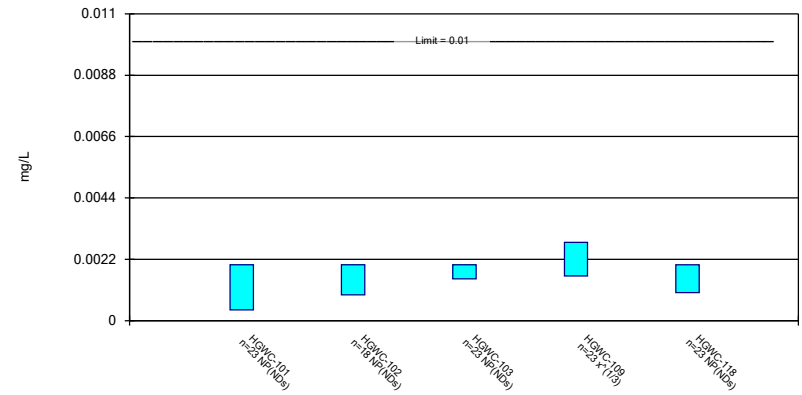
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric and Non-Parametric (NP) Confidence Interval

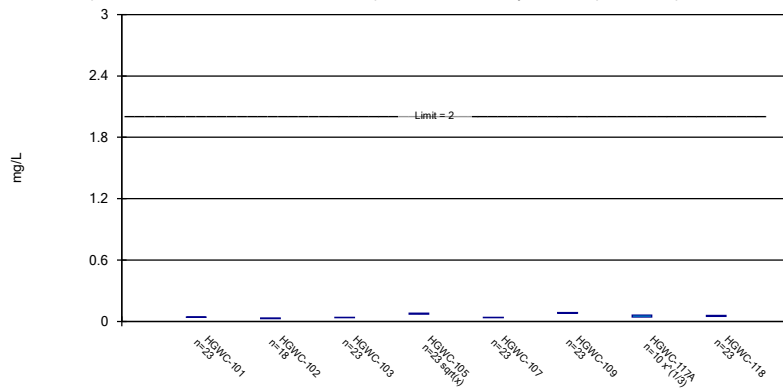
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric Confidence Interval

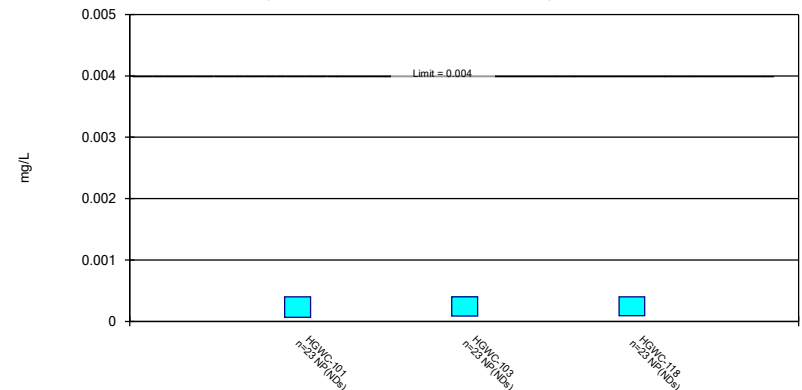
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Non-Parametric Confidence Interval

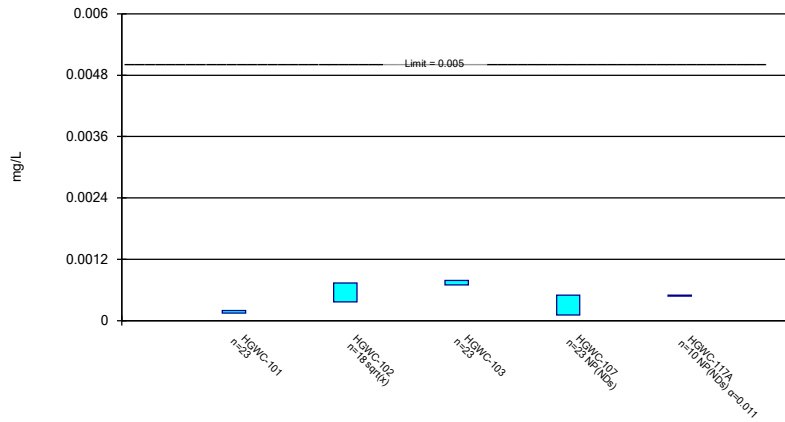
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric and Non-Parametric (NP) Confidence Interval

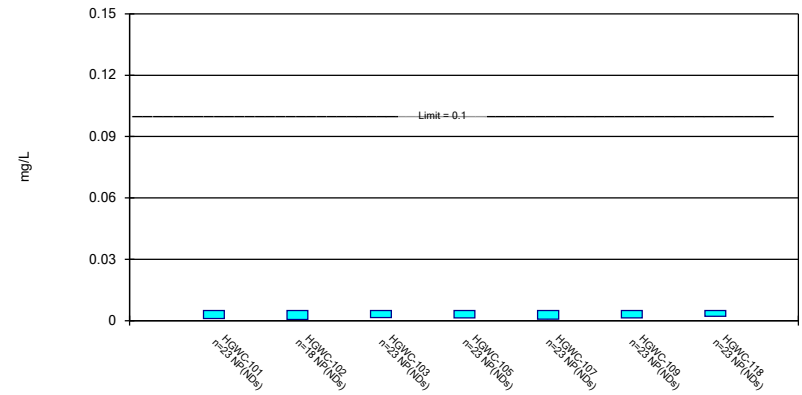
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Non-Parametric Confidence Interval

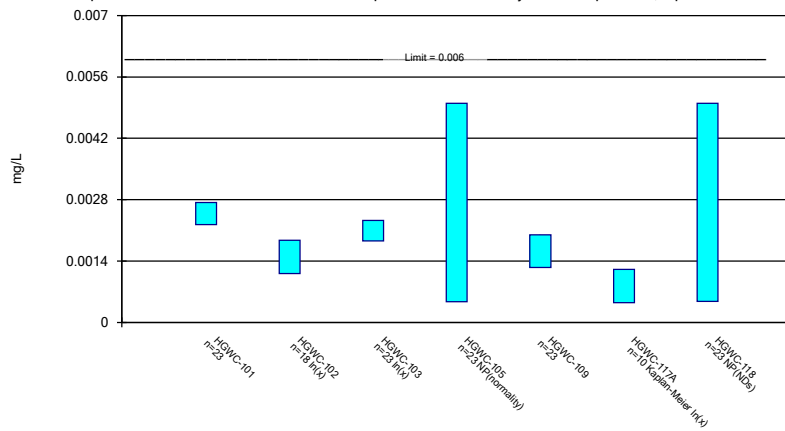
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric and Non-Parametric (NP) Confidence Interval

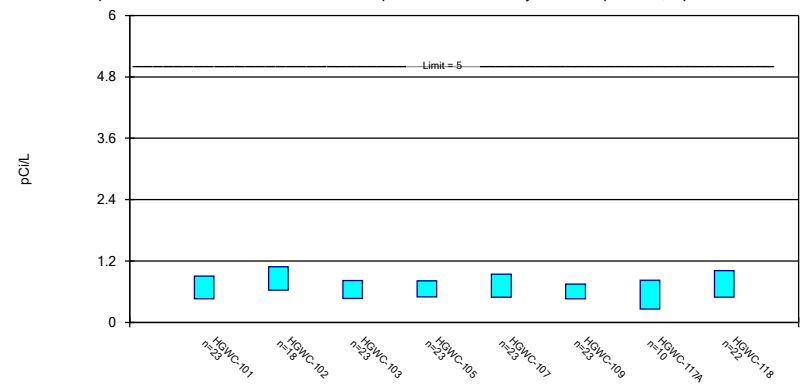
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric Confidence Interval

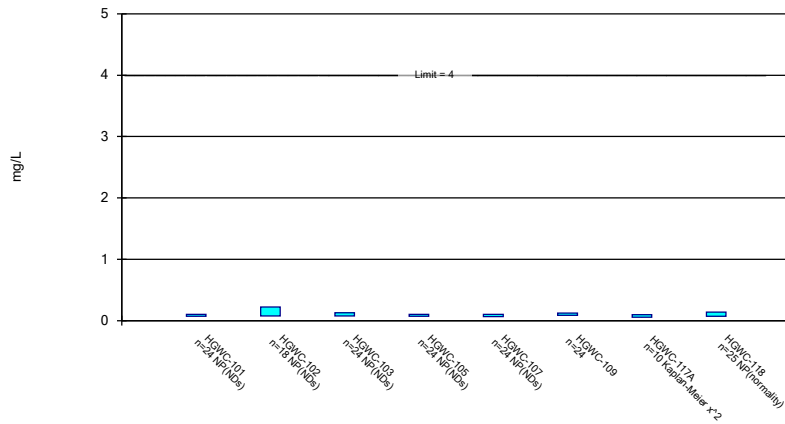
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric and Non-Parametric (NP) Confidence Interval

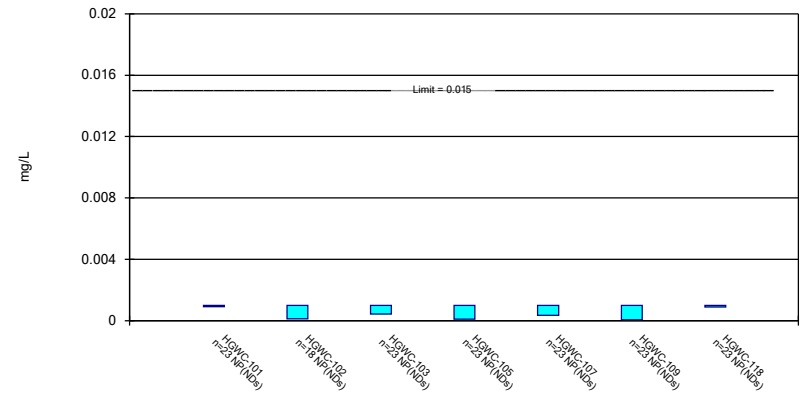
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Non-Parametric Confidence Interval

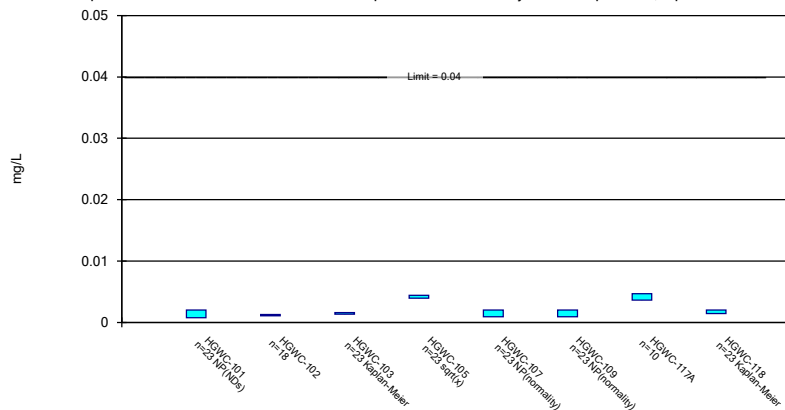
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Parametric and Non-Parametric (NP) Confidence Interval

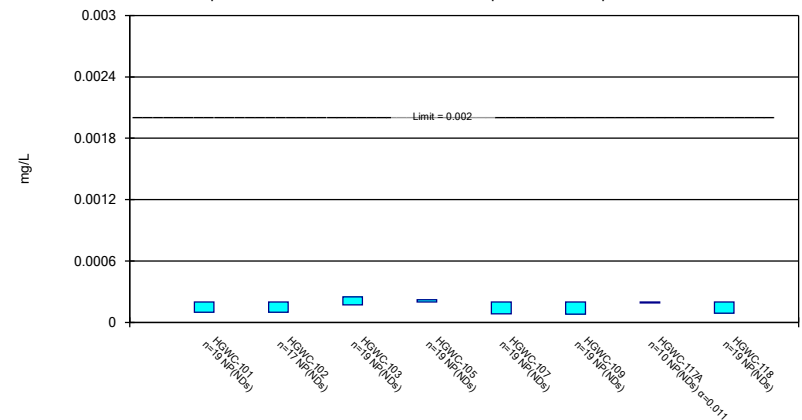
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Non-Parametric Confidence Interval

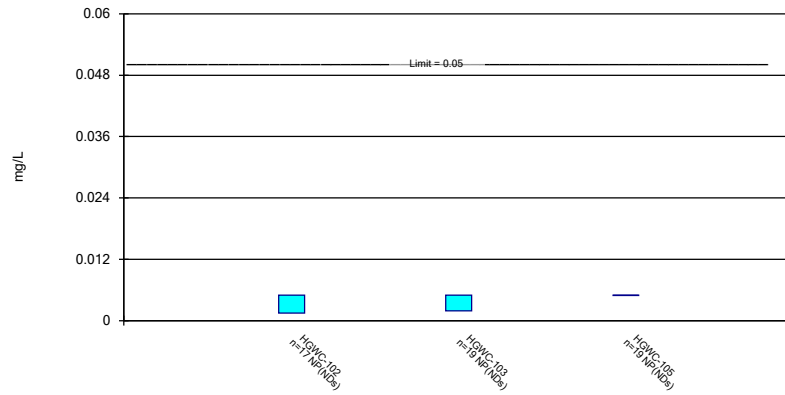
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Non-Parametric Confidence Interval

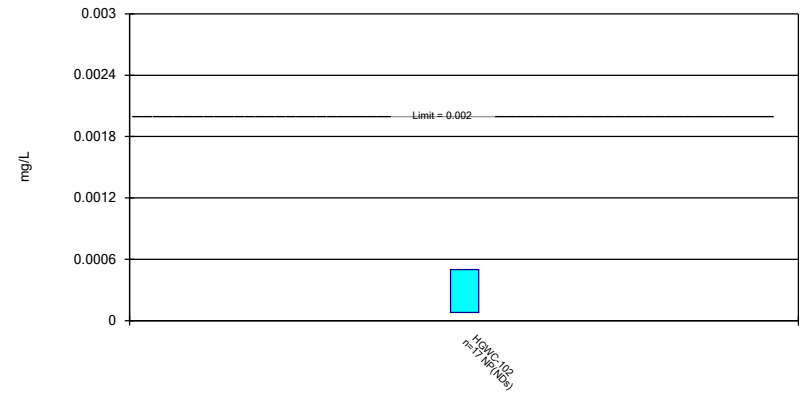
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWC-103	HGWC-107
8/31/2016		<0.002	<0.002
10/24/2016		<0.002	
10/25/2016			<0.002
1/31/2017		<0.002	<0.002
5/23/2017		<0.002	
5/24/2017			<0.002
8/10/2017		<0.002	<0.002
11/14/2017		<0.002	<0.002
6/6/2018		0.0022 (J)	<0.002
10/2/2018			0.0011 (J)
10/3/2018		<0.002	
8/22/2019		<0.002	
8/23/2019			<0.002
10/23/2019	<0.002		
1/3/2020	0.00076 (J)		
3/4/2020	<0.002		
3/24/2020	<0.002		
6/18/2020	<0.002		
7/21/2020	<0.002		
8/27/2020	<0.002	<0.002	<0.002
9/24/2020	<0.002		
8/13/2021	<0.002		<0.002
8/16/2021		<0.002	
2/2/2022	<0.002	<0.002	<0.002
8/5/2022	<0.002	<0.002	<0.002
1/25/2023	<0.002	<0.002	<0.002
8/11/2023	0.003	<0.002	<0.002
2/16/2024	<0.002	<0.002	<0.002
8/9/2024	<0.002	<0.002	
8/10/2024			<0.002
2/15/2025	<0.002	<0.002	
2/16/2025			<0.002
8/7/2025	<0.002	<0.002	<0.002
Mean	0.001986	0.002011	0.001953
Std. Dev.	0.000398	4.588E-05	0.0002065
Upper Lim.	0.003	0.0022	0.002
Lower Lim.	0.00076	0.002	0.0011

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-109	HGWC-118
8/31/2016	<0.002		<0.002	0.0045 (J)	<0.002
10/20/2016	<0.002				<0.002
10/24/2016			<0.002		
10/25/2016				0.003 (J)	
1/31/2017	<0.002		<0.002	0.0022 (J)	<0.002
5/23/2017	<0.002		<0.002		<0.002
5/24/2017				0.0012 (J)	
8/10/2017	<0.002		<0.002	0.0016 (J)	<0.002
11/14/2017	<0.002		<0.002	0.0011 (J)	<0.002
6/6/2018	<0.002		<0.002	0.0018 (J)	
6/7/2018					<0.002
10/2/2018				0.0014 (J)	
10/3/2018	<0.002		<0.002		<0.002
8/22/2019	<0.002		<0.002		<0.002
8/23/2019				0.0035 (J)	
10/22/2019				0.0019 (J)	<0.002
10/23/2019	<0.002	<0.002	<0.002		
1/3/2020		0.00065 (J)			
3/4/2020		0.00036 (J)			
3/24/2020		<0.002			
3/25/2020	0.00039 (J)		<0.002	0.0025 (J)	<0.002
6/18/2020		0.00092 (J)			
7/21/2020		0.00083 (J)			
8/26/2020					<0.002
8/27/2020	<0.002	<0.002	<0.002	0.0011 (J)	
9/24/2020	<0.002	<0.002	<0.002		
9/25/2020				0.0017 (J)	
9/28/2020					<0.002
3/17/2021	<0.002	<0.002		0.0019 (J)	
3/18/2021			<0.002		0.001 (J)
8/13/2021		<0.002		0.0019 (J)	<0.002
8/16/2021	<0.002		<0.002		
2/2/2022	<0.002	<0.002	<0.002	<0.01	
2/3/2022					<0.002
8/5/2022		<0.002	<0.002	0.0022 (J)	<0.002
8/10/2022	<0.002				
1/25/2023	<0.002	<0.002	<0.002	<0.01	<0.002
8/11/2023	<0.002	<0.002	<0.002	<0.01	<0.002
2/16/2024	<0.002	<0.002	<0.002		
2/17/2024				0.0013 (J)	<0.002
8/9/2024		0.0011 (J)	0.0015 (J)		<0.002
8/10/2024	<0.002			0.00091 (J)	
2/15/2025	<0.002	<0.002	<0.002		
2/16/2025				0.0014 (J)	<0.002
8/7/2025	<0.002	<0.002	<0.002	0.002	<0.002
Mean	0.00193	0.001659	0.001978	0.002353	0.001957
Std. Dev.	0.0003357	0.0005822	0.0001043	0.001331	0.0002085
Upper Lim.	0.002	0.002	0.002	0.002807	0.002
Lower Lim.	0.00039	0.00092	0.0015	0.001602	0.001

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.0527		0.045	0.067	0.0391	0.0883		0.0595
10/20/2016	0.0477							0.055
10/24/2016			0.0386					
10/25/2016				0.0745	0.041	0.0831		
1/31/2017	0.0527		0.0365	0.0674	0.0382	0.0844		0.0613
5/23/2017	0.0436		0.0254					0.068
5/24/2017				0.0668	0.0377	0.0784		
8/10/2017	0.0419		0.0396	0.067	0.0385	0.0903		0.0638
11/14/2017	0.0407		0.0385	0.0643	0.039	0.083		0.07
6/6/2018	0.043		0.043	0.068	0.039	0.095		
6/7/2018								0.059
10/2/2018				0.066	0.038	0.089		
10/3/2018	0.041		0.04					0.056
8/22/2019	0.043		0.036	0.066				0.052
8/23/2019					0.038	0.088		
10/22/2019					0.039	0.087		0.054
10/23/2019	0.043	0.037	0.039	0.066				
1/3/2020		0.036						
3/4/2020		0.033						
3/24/2020		0.024						
3/25/2020	0.038		0.036	0.074	0.037	0.084		0.06
6/18/2020		0.029						
7/21/2020		0.028						
8/26/2020								0.056
8/27/2020	0.045	0.028	0.038	0.068	0.034	0.083		
9/24/2020	0.041	0.029	0.036	0.075	0.039			
9/25/2020						0.085		
9/28/2020								0.046
3/17/2021	0.04	0.031				0.077		
3/18/2021			0.042	0.082	0.041			0.067
8/12/2021							0.079	
8/13/2021		0.026		0.073	0.033	0.08		0.043
8/16/2021	0.037		0.037					
9/27/2021							0.062	
2/2/2022	0.036	0.029	0.036		0.034	0.072		
2/3/2022				0.093			0.049	0.047
8/5/2022		0.031	0.037	0.088	0.036	0.085	0.055	0.039
8/10/2022	0.04							
1/25/2023	0.033	0.027	0.032	0.094	0.035	0.076	0.05	0.048
8/11/2023	0.036	0.028	0.035	0.089	0.032	0.081	0.046	0.04
2/16/2024	0.032	0.026	0.031		0.033			
2/17/2024				0.085		0.078	0.047	0.05
8/9/2024		0.029	0.032					0.037
8/10/2024	0.033			0.083	0.033	0.076	0.042	
2/15/2025	0.037	0.034	0.043					
2/16/2025				0.087	0.039	0.08	0.049	0.048
8/7/2025	0.037	0.034	0.038	0.079	0.035	0.078	0.044	0.037
Mean	0.04062	0.02994	0.03716	0.07578	0.03689	0.08267	0.0523	0.0529
Std. Dev.	0.005515	0.003605	0.004347	0.009823	0.002716	0.005473	0.01098	0.009926
Upper Lim.	0.04351	0.03213	0.03943	0.08064	0.03831	0.08554	0.06119	0.05809
Lower Lim.	0.03774	0.02776	0.03488	0.07051	0.03547	0.07981	0.04324	0.0477

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-103	HGWC-118
8/31/2016	<0.0004	<0.0004	<0.0004
10/20/2016	<0.0004		<0.0004
10/24/2016		<0.0004	
1/31/2017	<0.0004	<0.0004	<0.0004
5/23/2017	7E-05 (J)	<0.0004	<0.0004
8/10/2017	<0.0004	<0.0004	<0.0004
11/14/2017	<0.0004	<0.0004	<0.0004
6/6/2018	5.9E-05 (J)	<0.0004	
6/7/2018			<0.0004
10/3/2018	6.5E-05 (J)	<0.0004	<0.0004
8/22/2019	<0.0004	<0.0004	<0.0004
10/22/2019			<0.0004
10/23/2019	7.5E-05 (J)	<0.0004	
3/25/2020	<0.0004	<0.0004	<0.0004
8/26/2020			<0.0004
8/27/2020	5.7E-05 (J)	5E-05 (J)	
9/24/2020	4.8E-05 (J)	8.8E-05 (J)	
9/28/2020			<0.0004
3/17/2021	5.9E-05 (J)		
3/18/2021		6.1E-05 (J)	9.3E-05 (J)
8/13/2021			<0.0004
8/16/2021	<0.0004	<0.0004	
2/2/2022	6.2E-05 (J)	7.7E-05 (J)	
2/3/2022			<0.0004
8/5/2022		<0.0004	<0.0004
8/10/2022	6.4E-05 (J)		
1/25/2023	<0.0004	<0.0004	<0.0004
8/11/2023	7E-05 (J)	<0.0004	<0.0004
2/16/2024	<0.0004	<0.0004	
2/17/2024			<0.0004
8/9/2024		<0.0004	<0.0004
8/10/2024	<0.0004		
2/15/2025	<0.0004	<0.0004	
2/16/2025			<0.0004
8/7/2025	<0.0004	<0.0004	<0.0004
Mean	0.0002534	0.0003424	0.0003867
Std. Dev.	0.0001709	0.0001284	6.401E-05
Upper Lim.	0.0004	0.0004	0.0004
Lower Lim.	6.4E-05	8.8E-05	9.3E-05

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-107	HGWC-117A
8/31/2016	0.0002 (J)		0.0006 (J)	0.0001 (J)	
10/20/2016	0.0003 (J)				
10/24/2016			0.0008 (J)		
10/25/2016				8E-05 (J)	
1/31/2017	0.0001 (J)		0.0006 (J)	9E-05 (J)	
5/23/2017	0.0002 (J)		0.0006 (J)		
5/24/2017				0.0001 (J)	
8/10/2017	0.0002 (J)		0.0007 (J)	<0.0005	
11/14/2017	<0.0005		0.0007 (J)	<0.0005	
6/6/2018	9.5E-05 (J)		0.00073 (J)	0.00012 (J)	
10/2/2018				0.0001 (J)	
10/3/2018	0.00018 (J)		0.00078 (J)		
8/22/2019	0.00014 (J)		0.0008 (J)		
8/23/2019				0.00011 (J)	
10/22/2019				<0.0005	
10/23/2019	0.0002 (J)	0.00026 (J)	0.00091 (J)		
1/3/2020		0.0002 (J)			
3/4/2020		0.00026 (J)			
3/24/2020		0.00068 (J)			
3/25/2020	0.00014 (J)		0.00068 (J)	<0.0005	
6/18/2020		0.00047 (J)			
7/21/2020		0.00083 (J)			
8/27/2020	0.00019 (J)	0.00038 (J)	0.00082 (J)	<0.0005	
9/24/2020	0.00014 (J)	0.00032 (J)	0.00076 (J)	<0.0005	
3/17/2021	<0.0005	0.00094			
3/18/2021			0.00068	<0.0005	
8/12/2021					0.00016 (J)
8/13/2021		0.00069		<0.0005	
8/16/2021	0.00015 (J)		0.00081		
9/27/2021					<0.0005
2/2/2022	<0.0005	0.00055	0.0008	<0.0005	
2/3/2022					<0.0005
8/5/2022		0.00044 (J)	0.00081	<0.0005	<0.0005
8/10/2022	0.00011 (J)				
1/25/2023	0.00011 (J)	0.00035 (J)	0.00063	<0.0005	<0.0005
8/11/2023	0.00015 (J)	0.00067	0.0007	<0.0005	<0.0005
2/16/2024	0.00016 (J)	0.00031 (J)	0.00074	<0.0005	
2/17/2024					<0.0005
8/9/2024		0.00043 (J)	0.00078		
8/10/2024	0.00014 (J)			<0.0005	<0.0005
2/15/2025	0.00015 (J)	0.0016	0.00085		
2/16/2025				<0.0005	<0.0005
8/7/2025	0.00016 (J)	0.00098	0.0008	<0.0005	<0.0005
Mean	0.0001724	0.0005756	0.0007426	0.0003783	0.000466
Std. Dev.	5.343E-05	0.0003481	8.476E-05	0.0001883	0.0001075
Upper Lim.	0.0002003	0.0007357	0.0007869	0.0005	0.0005
Lower Lim.	0.0001444	0.0003645	0.0006983	0.00011	0.0005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-118
8/31/2016	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
10/20/2016	<0.005						<0.005
10/24/2016			<0.005				
10/25/2016				<0.005	<0.005	<0.005	
1/31/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
5/23/2017	0.0006 (J)		<0.005				<0.005
5/24/2017				<0.005	<0.005	<0.005	
8/10/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
11/14/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
6/6/2018	<0.005		<0.005	<0.005	<0.005	<0.005	
6/7/2018							<0.005
10/2/2018				<0.005	<0.005	<0.005	
10/3/2018	<0.005		<0.005				<0.005
8/22/2019	0.00064 (J)		0.00063 (J)	<0.005			<0.005
8/23/2019					<0.005	<0.005	
10/22/2019					<0.005	0.00062 (J)	0.00066 (J)
10/23/2019	<0.005	<0.005	0.0015 (J)	0.0004 (J)			
1/3/2020		0.00063 (J)					
3/4/2020		<0.005					
3/24/2020		0.00051 (J)					
3/25/2020	0.00098 (J)		0.00045 (J)	0.0013 (J)	0.00074 (J)	0.0014 (J)	0.00081 (J)
6/18/2020		<0.005					
7/21/2020		<0.005					
8/26/2020							0.00098 (J)
8/27/2020	<0.005	<0.005	0.00069 (J)	<0.005	<0.005	<0.005	
9/24/2020	<0.005	<0.005	0.00081 (J)	0.00064 (J)	<0.005		
9/25/2020						<0.005	
9/28/2020							0.0017 (J)
3/17/2021	0.00075 (J)	<0.005				<0.005	
3/18/2021			0.003 (J)	0.00058 (J)	<0.005		0.0021 (J)
8/13/2021		<0.005		<0.005	<0.005	<0.005	<0.005
8/16/2021	<0.005		<0.005				
2/2/2022	<0.005	<0.005	0.0013 (J)		<0.005	<0.005	
2/3/2022				<0.005			<0.005
8/5/2022		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/10/2022	<0.005						
1/25/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/11/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2024	<0.005	<0.005	<0.005		<0.005		
2/17/2024				<0.005		<0.005	<0.005
8/9/2024		<0.005	<0.005				<0.005
8/10/2024	<0.005			<0.005	<0.005	<0.005	
2/15/2025	<0.005	<0.005	<0.005				
2/16/2025				<0.005	<0.005	<0.005	<0.005
8/7/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mean	0.00426	0.004508	0.003843	0.004257	0.004815	0.004653	0.004185
Std. Dev.	0.001651	0.001433	0.001847	0.001661	0.0008883	0.001156	0.001604
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00098	0.00063	0.0015	0.0013	0.00074	0.0014	0.0021

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.0033 (J)		0.0018 (J)	0.0014 (J)	0.0023 (J)		<0.005
10/20/2016	0.0025 (J)						<0.005
10/24/2016			0.0018 (J)				
10/25/2016				0.0013 (J)	0.0017 (J)		
1/31/2017	0.001 (J)		0.0016 (J)	0.0006 (J)	0.0017 (J)		<0.005
5/23/2017	0.0025 (J)		0.0014 (J)				0.0005 (J)
5/24/2017				0.0007 (J)	0.002 (J)		
8/10/2017	0.0029 (J)		0.0025 (J)	0.0006 (J)	0.0012 (J)		0.0003 (J)
11/14/2017	0.003 (J)		0.002 (J)	0.0005 (J)	0.0014 (J)		0.0004 (J)
6/6/2018	0.0016 (J)		0.0031 (J)	0.00056 (J)	0.0014 (J)		
6/7/2018							<0.005
10/2/2018				<0.005	0.00081 (J)		
10/3/2018	0.0028 (J)		0.0023 (J)				<0.005
8/22/2019	<0.005		0.0019 (J)	<0.005			0.0003 (J)
8/23/2019					0.0027 (J)		
10/22/2019					0.0022 (J)		0.00061 (J)
10/23/2019	0.0023 (J)	0.0018 (J)	0.0021 (J)	0.00038 (J)			
1/3/2020		0.0038 (J)					
3/4/2020		0.0021 (J)					
3/24/2020		0.0019 (J)					
3/25/2020	0.0021 (J)		0.0022 (J)	0.00047 (J)	0.0022 (J)		<0.005
6/18/2020		0.0012 (J)					
7/21/2020		0.00098 (J)					
8/26/2020							0.00061 (J)
8/27/2020	0.0027 (J)	0.001 (J)	0.0019 (J)	<0.005	0.00086 (J)		
9/24/2020	0.0021 (J)	0.0011 (J)	0.0019 (J)	0.00044 (J)			
9/25/2020					0.001 (J)		
9/28/2020							0.00048 (J)
3/17/2021	0.0023 (J)	0.0012 (J)			0.003 (J)		
3/18/2021			0.0021 (J)	0.00045 (J)			0.0012 (J)
8/12/2021						0.0024 (J)	
8/13/2021		0.00085 (J)		<0.005	0.0011 (J)		<0.005
8/16/2021	0.0026 (J)		0.0022 (J)				
9/27/2021						0.0011 (J)	
2/2/2022	0.0027 (J)	0.0019 (J)	0.0022 (J)		0.002 (J)		
2/3/2022				<0.005		0.00041 (J)	0.00045 (J)
8/5/2022		0.001 (J)	0.0021 (J)	<0.005	0.0008 (J)	0.0011 (J)	<0.005
8/10/2022	0.0028 (J)						
1/25/2023	0.0021 (J)	0.0016 (J)	0.0017 (J)	0.00046 (J)	0.0016 (J)	0.00048 (J)	<0.005
8/11/2023	0.0028 (J)	0.001 (J)	0.0019 (J)	0.00047 (J)	0.00077 (J)	0.00078 (J)	<0.005
2/16/2024	0.0026 (J)	0.0011 (J)	0.002 (J)				
2/17/2024				0.00071 (J)	0.0011 (J)	0.00047 (J)	0.00042 (J)
8/9/2024		0.00094 (J)	0.002 (J)				<0.005
8/10/2024	0.0025 (J)			0.00052 (J)	0.0005 (J)	0.00081 (J)	
2/15/2025	0.0027 (J)	<0.005	0.0023 (J)				
2/16/2025				<0.005	<0.005	<0.005	<0.005
8/7/2025	0.0027 (J)	0.0026 (J)	0.004 (J)	0.0019 (J)	<0.005	<0.005	<0.005
Mean	0.002483	0.001587	0.00213	0.00202	0.001623	0.001755	0.003055
Std. Dev.	0.0004821	0.0007821	0.0005278	0.002047	0.0007115	0.001803	0.002273
Upper Lim.	0.002735	0.001874	0.002325	0.005	0.001996	0.001208	0.005
Lower Lim.	0.00223	0.001111	0.001861	0.00047	0.001251	0.0004503	0.00048

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.621 (U)		1.62	0.906 (U)	1.2	1.03		
10/20/2016	1.4							1.97
10/24/2016			1.01 (U)					
10/25/2016				1.03	1.11	1.07		
1/31/2017	0.906 (U)		0.976 (U)	0.868 (U)	1.45	0.588 (U)		1.03
5/23/2017	0.388 (U)		0.891 (U)					0.398 (U)
5/24/2017				0.728 (U)	0.393 (U)	0.593 (U)		
8/10/2017	1.03 (U)		0.601 (U)	1.35	0.84 (U)	0.691 (U)		0.938 (U)
11/14/2017	0.769 (U)		0.567 (U)	0.817 (U)	1.01 (U)	0.653 (U)		0.335 (U)
6/6/2018	1.28		0.836 (U)	0.559 (U)	0.365 (U)	0.939 (U)		
6/7/2018								0.696 (U)
10/2/2018				0.336 (U)	1.23	0.225 (U)		
10/3/2018	0.302 (U)		0.111 (U)					1.6 (U)
8/22/2019	0.474 (U)		0.946 (U)	0.694 (U)				0.904 (U)
8/23/2019					1.69	0.47 (U)		
10/22/2019					0.705 (U)	0.545 (U)		0.424 (U)
10/23/2019	0.776 (U)	0.858 (U)	0.571 (U)	0.584 (U)				
1/22/2020		1.04 (U)						
3/4/2020		1.32						
3/24/2020		1.23 (U)						
3/25/2020	0.603 (U)		0.403 (U)	0.663 (U)	0.673 (U)	0.508 (U)		0.915 (U)
6/18/2020		0.681 (U)						
7/21/2020		0.0938 (U)						
8/26/2020								1.19
8/27/2020	0.109 (U)	1.17 (U)	0.37 (U)	0.416 (U)	0.264 (U)	0.989 (U)		
9/24/2020	0.625 (U)	1.42	0.804 (U)	1.11 (U)	0.576 (U)			
9/25/2020						0.584 (U)		
9/28/2020								0.613 (U)
3/17/2021	0.248 (U)	0.401 (U)				0.556 (U)		
3/18/2021			0.274 (U)	0.252 (U)	0.145 (U)			0.323 (U)
8/12/2021							0.124 (U)	
8/13/2021		0.828 (U)		0.513 (U)	0.815 (U)	0.794 (U)		0.228 (U)
8/16/2021	0.667 (U)		0.493 (U)					
9/27/2021							1.05 (U)	
2/2/2022	0.162 (U)	0.806 (U)	0.569 (U)		0.0564 (U)	0.542 (U)		
2/3/2022				0.835			0.499 (U)	0.5 (U)
8/5/2022		0.618 (U)	0.205 (U)	0.139 (U)	0.917 (U)	0.22 (U)	0 (U)	0.206 (U)
8/10/2022	0.601 (U)							
1/25/2023	0.419 (U)	0.513 (U)	0.568 (U)	0.432 (U)	0.71 (U)	0.195 (U)	0.595 (U)	1.44
8/11/2023	0.93 (U)	1.08	0.849 (U)	0.292 (U)	0.314 (U)	0.105 (U)	0.822 (U)	0.806 (U)
2/16/2024	0.344 (U)	0.498 (U)	0.81 (U)		0.845 (U)			
2/17/2024				0.888 (U)		0.388 (U)	0.629 (U)	0 (U)
8/9/2024		0.604 (U)	0.378 (U)					0.421 (U)
8/10/2024	0.817 (U)			0.693 (U)	0.223 (U)	0.5 (U)	0.723 (U)	
2/15/2025	0.312 (U)	0.783 (U)	0.284 (U)					
2/16/2025				0.372 (U)	0.352 (U)	0.852 (U)	0.615 (U)	0.909 (U)
8/7/2025	1.87	1.47	0.656 (U)	0.512 (U)	0.553 (U)	0.853 (U)	0.367 (U)	0.662 (U)
Mean	0.6806	0.8563	0.6431	0.6517	0.7146	0.6039	0.5424	0.7504
Std. Dev.	0.4239	0.3778	0.3355	0.2988	0.4311	0.2723	0.3137	0.4874
Upper Lim.	0.9023	1.085	0.8186	0.808	0.9401	0.7463	0.8223	1.012
Lower Lim.	0.4589	0.6278	0.4677	0.4954	0.4892	0.4615	0.2625	0.4887

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 11:09 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	0.05 (J)		0.06 (J)	0.15 (J)	0.08 (J)	0.12 (J)		0.18 (J)
10/20/2016	0.03 (J)							0.12 (J)
10/24/2016			0.13 (J)					
10/25/2016				0.09 (J)	0.16 (J)	0.17 (J)		
1/31/2017	<0.1		<0.1	0.13 (J)	0.16 (J)	0.05 (J)		0.3
5/23/2017	<0.1		0.15 (J)					0.14 (J)
5/24/2017				0.07 (J)	0.009 (J)	0.13 (J)		
8/10/2017	<0.1		<0.1	0.03 (J)	<0.1	0.12 (J)		0.11 (J)
11/14/2017	<0.1		<0.1	<0.1	<0.1	<0.3		0.07 (J)
6/6/2018	<0.1		<0.1	0.074 (J)	0.057 (J)	0.15 (J)		
6/7/2018								0.3
10/2/2018				<0.1	<0.1	<0.3		
10/3/2018	<0.1		<0.1					0.12 (J)
4/3/2019					<0.1	0.05 (J)		
4/4/2019	<0.1		0.042 (J)	0.03 (J)				
4/5/2019								0.33
6/18/2019								0.89
8/22/2019	<0.1		<0.1	<0.1				0.07 (J)
8/23/2019					<0.1	0.034 (J)		
10/22/2019					0.047 (J)	0.099 (J)		0.087 (J)
10/23/2019	<0.1	0.22 (J)	<0.1	<0.1				
1/3/2020		<0.1						
3/4/2020		<0.1						
3/24/2020		<0.1						
3/25/2020	<0.1		<0.1	<0.1	<0.1	0.075 (J)		0.078 (J)
6/18/2020		<0.1						
7/21/2020		<0.1						
8/26/2020								0.072 (J)
8/27/2020	<0.1	<0.1	<0.1	<0.1	<0.1	0.094 (J)		
9/24/2020	<0.1	<0.1	<0.1	<0.1	0.064 (J)			
9/25/2020						0.091 (J)		
9/28/2020								0.078 (J)
3/17/2021	<0.1	<0.1				0.089 (J)		
3/18/2021			<0.1	<0.1	<0.1			0.079 (J)
8/12/2021							<0.1	
8/13/2021		<0.1		<0.1	<0.1	0.086 (J)		0.075 (J)
8/16/2021	<0.1		<0.1					
9/27/2021							<0.1	
2/2/2022	<0.1	<0.1	<0.1		<0.1	0.086 (J)		
2/3/2022				<0.1			0.056 (J)	0.069 (J)
8/5/2022		0.076 (J)	0.071 (J)	0.075 (J)	0.093 (J)	0.14	0.12	0.12
8/10/2022	0.065 (J)							
1/25/2023	<0.1	<0.1	<0.1	0.051 (J)	0.054 (J)	0.12	0.085 (J)	0.095 (J)
8/11/2023	<0.1	<0.1	<0.1	<0.1	<0.1	0.086 (J)	0.057 (J)	0.07 (J)
2/16/2024	<0.1	<0.1	<0.1		<0.1			
2/17/2024				<0.1		0.094 (J)	0.055 (J)	0.068 (J)
8/9/2024		0.067 (J)	0.077 (J)					0.11
8/10/2024	0.068 (J)			0.066 (J)	0.069 (J)	0.13	0.1	
2/15/2025	<0.1	<0.1	<0.1					
2/16/2025				<0.1	<0.1	0.086 (J)	0.057 (J)	0.065 (J)
8/7/2025	0.065 (J)	0.067 (J)	0.076 (J)	0.065 (J)	0.065 (J)	0.13	0.098 (J)	0.11
Mean	0.09075	0.1017	0.09608	0.08879	0.08992	0.1054	0.0828	0.1522

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 11:10 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
Std. Dev.	0.01958	0.03172	0.02079	0.0274	0.03213	0.03504	0.02433	0.1717
Upper Lim.	0.1	0.22	0.13	0.1	0.1	0.1233	0.09895	0.14
Lower Lim.	0.068	0.076	0.077	0.07	0.065	0.08754	0.05392	0.072

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/16/2025 11:10 AM View: Confidence Intervals
 Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-118
8/31/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
10/20/2016	<0.001						<0.001
10/24/2016			<0.001				
10/25/2016				<0.001	<0.001	<0.001	
1/31/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
5/23/2017	0.0009 (J)		<0.001				<0.001
5/24/2017				<0.001	<0.001	<0.001	
8/10/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
11/14/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
6/6/2018	<0.001		<0.001	<0.001	<0.001	<0.001	
6/7/2018							<0.001
10/2/2018				<0.001	<0.001	<0.001	
10/3/2018	<0.001		<0.001				<0.001
8/22/2019	<0.001		<0.001	<0.001			<0.001
8/23/2019					<0.001	5.8E-05 (J)	
10/22/2019					7.9E-05 (J)	5.4E-05 (J)	0.00025 (J)
10/23/2019	<0.001	<0.001	0.00043 (J)	6.8E-05 (J)			
1/3/2020		<0.001					
3/4/2020		0.00011 (J)					
3/24/2020		<0.001					
3/25/2020	<0.001		7.6E-05 (J)	8.5E-05 (J)	0.00021 (J)	<0.001	0.0001 (J)
6/18/2020		<0.001					
7/21/2020		<0.001					
8/26/2020							0.00036 (J)
8/27/2020	<0.001	<0.001	0.00018 (J)	<0.001	<0.001	<0.001	
9/24/2020	<0.001	<0.001	0.00028 (J)	4.9E-05 (J)	0.00034 (J)		
9/25/2020						<0.001	
9/28/2020							0.00022 (J)
3/17/2021	<0.001	<0.001				<0.001	
3/18/2021			0.00024 (J)	5.8E-05 (J)	9.1E-05 (J)		0.00088 (J)
8/13/2021		<0.001		<0.001	<0.001	<0.001	<0.001
8/16/2021	<0.001		<0.001				
2/2/2022	<0.001	<0.001	<0.001		<0.001	<0.001	
2/3/2022				<0.001			<0.001
8/5/2022		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/10/2022	<0.001						
1/25/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/11/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2024	<0.001	<0.001	0.00027 (J)		<0.001		
2/17/2024				<0.001		<0.001	<0.001
8/9/2024		<0.001	<0.001				<0.001
8/10/2024	<0.001			<0.001	<0.001	<0.001	
2/15/2025	<0.001	<0.001	<0.001				
2/16/2025				<0.001	<0.001	<0.001	<0.001
8/7/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mean	0.0009957	0.0009506	0.0008033	0.0008374	0.0008574	0.0009179	0.0008613
Std. Dev.	2.085E-05	0.0002098	0.0003431	0.0003624	0.000321	0.000272	0.0002987
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0009	0.00011	0.00043	8.5E-05	0.00034	5.8E-05	0.00088

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 11:10 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.002		<0.002	0.0034 (J)	<0.002	<0.002		<0.002
10/20/2016	<0.002							<0.002
10/24/2016			<0.002					
10/25/2016				0.0043 (J)	<0.002	<0.002		
1/31/2017	<0.002		<0.002	0.0042 (J)	<0.002	<0.002		<0.002
5/23/2017	<0.002		0.0012 (J)					0.0012 (J)
5/24/2017				0.0039 (J)	<0.002	0.0012 (J)		
8/10/2017	<0.002		0.0016 (J)	0.004 (J)	<0.002	<0.002		<0.002
11/14/2017	<0.002		0.0015 (J)	0.0044 (J)	<0.002	<0.002		<0.002
6/6/2018	<0.002		0.0017 (J)	0.0041 (J)	0.00099 (J)	0.0013 (J)		
6/7/2018								0.0015 (J)
10/2/2018				0.0041 (J)	<0.002	0.0013 (J)		
10/3/2018	<0.002		0.0016 (J)					<0.002
8/22/2019	<0.002		0.0015 (J)	0.004 (J)				0.0018 (J)
8/23/2019					0.00092 (J)	0.0009 (J)		
10/22/2019					0.00094 (J)	0.00088 (J)		0.0027 (J)
10/23/2019	<0.002	0.0012 (J)	0.002 (J)	0.0039 (J)				
1/3/2020		0.0011 (J)						
3/4/2020		0.0013 (J)						
3/24/2020		0.00084 (J)						
3/25/2020	<0.002		0.0016 (J)	0.0041 (J)	0.00091 (J)	<0.002		0.0017 (J)
6/18/2020		0.0013 (J)						
7/21/2020		0.0013 (J)						
8/26/2020								0.0028 (J)
8/27/2020	<0.002	0.0011 (J)	0.0016 (J)	0.0037 (J)	<0.002	0.0011 (J)		
9/24/2020	<0.002	0.0011 (J)	0.0017 (J)	0.0038 (J)	0.00098 (J)			
9/25/2020						0.001 (J)		
9/28/2020								0.0022 (J)
3/17/2021	<0.002	0.0012 (J)				<0.002		
3/18/2021			0.0018 (J)	0.0042 (J)	0.0011 (J)			0.0029 (J)
8/12/2021							0.0036 (J)	
8/13/2021		0.0011 (J)		0.0038 (J)	0.00084 (J)	<0.002		0.0017 (J)
8/16/2021	<0.002		0.0016 (J)					
9/27/2021							0.0035 (J)	
2/2/2022	<0.002	0.0013 (J)	0.0019 (J)		0.001 (J)	0.00084 (J)		
2/3/2022				0.0046 (J)			0.0051 (J)	0.0015 (J)
8/5/2022		0.0013 (J)	0.0014 (J)	0.0039 (J)	0.00082 (J)	0.00087 (J)	0.0038 (J)	0.0018 (J)
8/10/2022	<0.002							
1/25/2023	<0.002	0.001 (J)	0.0012 (J)	0.0038 (J)	0.00081 (J)	<0.002	0.0037 (J)	0.001 (J)
8/11/2023	<0.002	0.0013 (J)	0.0014 (J)	0.0044 (J)	0.00083 (J)	0.00076 (J)	0.0041 (J)	0.0023 (J)
2/16/2024	<0.002	<0.002	<0.002		<0.002			
2/17/2024				0.0041 (J)		<0.002	0.0038 (J)	<0.002
8/9/2024		<0.002	<0.002					0.0019 (J)
8/10/2024	<0.002			0.0047 (J)	<0.002	<0.002	0.0041 (J)	
2/15/2025	0.000781 (J)	0.00139 (J)	0.00158 (J)					
2/16/2025				0.0057 (J)	0.00113 (J)	0.000977 (J)	0.00512 (J)	0.00215 (J)
8/7/2025	<0.002	0.00119 (J)	0.00132 (J)	0.00523	0.000872 (J)	0.000689 (J)	0.0046	0.00204
Mean	0.001947	0.001168	0.001661	0.004188	0.001397	0.00147	0.004142	0.001965
Std. Dev.	0.0002542	0.000147	0.0002632	0.0005031	0.0005457	0.0005379	0.0005984	0.000451
Upper Lim.	0.002	0.001257	0.001598	0.004432	0.002	0.002	0.004676	0.002025
Lower Lim.	0.000781	0.001079	0.001338	0.003925	0.00091	0.0009	0.003608	0.001422

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 11:10 AM View: Confidence Intervals

Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-101	HGWC-102	HGWC-103	HGWC-105	HGWC-107	HGWC-109	HGWC-117A	HGWC-118
8/31/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/20/2016	<0.0002							<0.0002
10/24/2016			<0.0002					
10/25/2016				<0.0002	<0.0002	<0.0002		
1/31/2017	9.3E-05 (J)		8E-05 (J)	<0.0002	<0.0002	8E-05 (J)		9E-05 (J)
5/23/2017	<0.0002		<0.0002					<0.0002
5/24/2017				<0.0002	<0.0002	<0.0002		
8/10/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
11/14/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
6/6/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
6/7/2018								<0.0002
10/2/2018				<0.0002	<0.0002	<0.0002		
10/3/2018	<0.0002		<0.0002					<0.0002
8/22/2019	<0.0002		<0.0002	<0.0002				<0.0002
8/23/2019					<0.0002	<0.0002		
10/23/2019		<0.0002						
1/3/2020		<0.0002						
3/4/2020		<0.0002						
3/24/2020		<0.0002						
6/18/2020		<0.0002						
7/21/2020		<0.0002						
8/26/2020								<0.0002
8/27/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
9/24/2020		<0.0002						
8/12/2021							9.4E-05 (J)	
8/13/2021		0.0001 (J)		0.00022	8.4E-05 (J)	8E-05 (J)		8.1E-05 (J)
8/16/2021	9.9E-05 (J)		0.00027					
9/27/2021							<0.0002	
2/2/2022	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		
2/3/2022				<0.0002			<0.0002	<0.0002
8/5/2022		<0.0002	0.00017 (J)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/10/2022	<0.0002							
1/25/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/11/2023	<0.0002	<0.0002	0.00025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/16/2024	<0.0002	<0.0002	<0.0002		<0.0002			
2/17/2024				<0.0002		<0.0002	<0.0002	<0.0002
8/9/2024		<0.0002	<0.0002					<0.0002
8/10/2024	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002	
2/15/2025	<0.0002	<0.0002	0.00014 (J)					
2/16/2025				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/7/2025	<0.0002	<0.0002	0.00035	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mean	0.0001891	0.0001941	0.0002032	0.0002011	0.0001939	0.0001874	0.0001894	0.0001879
Std. Dev.	3.281E-05	2.425E-05	5.197E-05	4.588E-06	2.661E-05	3.784E-05	3.352E-05	3.613E-05
Upper Lim.	0.0002	0.0002	0.00025	0.00022	0.0002	0.0002	0.0002	0.0002
Lower Lim.	9.9E-05	0.0001	0.00017	0.0002	8.4E-05	8E-05	0.0002	9E-05

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 11:10 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102	HGWC-103	HGWC-105
8/31/2016		<0.005	<0.005
10/24/2016		<0.005	
10/25/2016			<0.005
1/31/2017		<0.005	<0.005
5/23/2017		<0.005	
5/24/2017			<0.005
8/10/2017		<0.005	<0.005
11/14/2017		<0.005	<0.005
6/6/2018		<0.005	<0.005
10/2/2018			<0.005
10/3/2018		<0.005	
8/22/2019		<0.005	<0.005
10/23/2019	<0.005		
1/3/2020	0.0015 (J)		
3/4/2020	<0.005		
3/24/2020	<0.005		
6/18/2020	<0.005		
7/21/2020	<0.005		
8/27/2020	<0.005	<0.005	<0.005
9/24/2020	<0.005		
8/13/2021	<0.005		<0.005
8/16/2021		<0.005	
2/2/2022	<0.005	<0.005	
2/3/2022			<0.005
8/5/2022	<0.005	<0.005	<0.005
1/25/2023	<0.005	<0.005	<0.005
8/11/2023	<0.005	<0.005	<0.005
2/16/2024	<0.005	<0.005	
2/17/2024			<0.005
8/9/2024	<0.005	<0.005	
8/10/2024			<0.005
2/15/2025	<0.005	<0.005	
2/16/2025			0.0049 (J)
8/7/2025	<0.005	0.0019 (J)	0.0017 (J)
Mean	0.004794	0.004837	0.004821
Std. Dev.	0.0008489	0.0007112	0.0007561
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0015	0.0019	0.0049

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 11:10 AM View: Confidence Intervals
Plant Hammond Client: Southern Company Data: Hammond AP4

	HGWC-102
10/23/2019	<0.0005
1/3/2020	8E-05 (J)
3/4/2020	<0.0005
3/24/2020	<0.0005
6/18/2020	<0.0005
7/21/2020	<0.0005
8/27/2020	<0.0005
9/24/2020	<0.0005
8/13/2021	<0.0005
2/2/2022	<0.0005
8/5/2022	<0.0005
1/25/2023	<0.0005
8/11/2023	<0.0005
2/16/2024	<0.0005
8/9/2024	<0.0005
2/15/2025	<0.0005
8/7/2025	<0.0005
Mean	0.0004753
Std. Dev.	0.0001019
Upper Lim.	0.0005
Lower Lim.	8E-05