

# 2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

GEORGIA POWER COMPANY –  
PLANT MITCHELL  
ASH PONDS A, 1, AND 2  
PUTNEY, GEORGIA



PROJECT NO.: 6122-16-0170  
JULY 31, 2023

WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.  
1075 BIG SHANTY ROAD, NW  
SUITE 100  
KENNESAW, GEORGIA 30144

T+ 1 770-421-3400

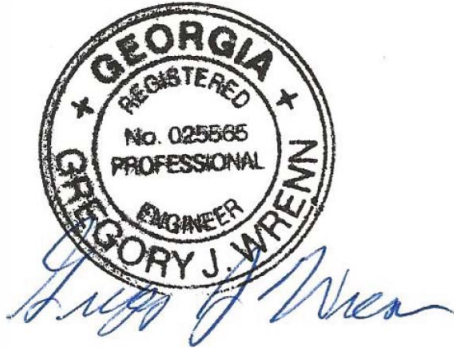
WSP.COM





# CERTIFICATION STATEMENT

This 2023 Annual Groundwater Monitoring and Corrective Action Report, Plant Mitchell (Ash Ponds A, 1, and 2) 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 WSP USA Environment & Infrastructure, 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(61).



Gregory J. Wrenn, P.E.  
Registered Professional Engineer  
Professional Engineer No. 025565



Rhonda N. Quinn, P.G.  
Registered Professional Geologist  
Georgia Registration #1031

Date: July 31, 2023

Date: July 31, 2023



# SUMMARY

This summary of the *2023 Annual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program from July 2022 through June 2023 at Georgia Power Company's (Georgia Power's) Plant Mitchell Ash Ponds A, 1 and 2 (the Site). This summary was prepared by WSP USA Environment & Infrastructure, Inc. (formerly Wood Environment & Infrastructure Solutions, Inc.) 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 6<sup>1</sup> of the United States Environmental Protection Agency (US EPA) Coal Combustion Residual (CCR) Rule (40 Code of Federal Regulations [CFR] 257 Subpart D).

Georgia Power's Plant Mitchell is located approximately eight miles south of Albany, Georgia. The Plant Mitchell Site is comprised of approximately 516 acres, with the northern portion of the Site located in Dougherty County and the southern portion located in Mitchell County. Baker County is located immediately to the west of the Site, with the Flint River forming the county boundary. There are three CCR surface impoundments (ash ponds) at the Site: Ash Pond A, Ash Pond 1, and Ash Pond 2. The three ash ponds are located adjacent to each other and are therefore considered to be one multi-unit for groundwater monitoring purposes. The former coal-fired plant buildings have been demolished. The CCR material is being removed from the ash ponds and the ponds are in the process of being closed. Because the units ceased receiving waste prior to October 19, 2015, Ash Ponds A, 1, and 2 are not subject to Federal monitoring requirements of the CCR rule. The Plant Mitchell CCR Surface Impoundments (Ash Pond A, Ash Pond 1, and Ash Pond 2) Permit was approved on June 28, 2022 (Permit No. 047-024D(CCR)).



Plant Mitchell Ash Ponds A, 1, and 2

The groundwater monitoring program for the ash ponds is managed in accordance with the GA EPD CCR Rules. A comprehensive well network monitors the groundwater conditions upgradient and downgradient of the ash ponds, in accordance with GA EPD rule requirements. Routine sampling and reporting began after the background groundwater conditions were established between August 2016 and October 2018. The first detection monitoring event was conducted in March 2019 and the first assessment monitoring event was in October 2019.

---

<sup>1</sup> 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



Semi-annual groundwater monitoring events were conducted in August 2022 and February 2023 and the Site remains in assessment monitoring. The samples collected during the routine semi-annual monitoring events were analyzed for the full suite of Appendix III<sup>2</sup> and the full suite of Appendix IV<sup>3</sup> constituents. Three wells were re-sampled in October 2022 for total dissolved solids and one well for mercury because of hold time exceedances in the laboratory. No re-sampling was conducted for the February 2023 event. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the CCR rule, groundwater results for August 2022 (including the October 2022 re-sampling results) and February 2023 were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III constituents in wells provided in the tables below. There are no confidence intervals of the individual well/constituent pairs above a Groundwater Protection Standard (GWPS). Therefore, no statistically significant levels (SSLs) were identified for the August 2022 and February 2023 sampling events.

Appendix III Constituents	August 2022
Boron	PZ-7D, PZ-15, PZ-16, PZ-18, PZ-19, PZ-25, PZ-33
Calcium	PZ-18, PZ-19, PZ-23A
Chloride	PZ-14, PZ-15, PZ-16, PZ-18, PZ-19
Fluoride	None
pH	PZ-14, PZ-18, PZ-19, PZ-23A
Sulfate	PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33
TDS	PZ-7D, PZ-15, PZ-17, PZ-18, PZ-19, PZ-23A
Appendix III Constituents	February 2023
Boron	PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33
Calcium	PZ-7D, PZ-18, PZ-19, PZ-23A
Chloride	PZ-14, PZ-15, PZ-16, PZ-18
Fluoride	None
pH	PZ-7D, PZ-18, PZ-19, PZ-23A
Sulfate	PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33
TDS	PZ-7D, PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A

Based on review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program for August 2022 and February 2023, the Site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to GA EPD semi-annually.

<sup>2</sup> Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

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



# TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION</b> .....	<b>1</b>
1.1	SITE DESCRIPTION AND BACKGROUND .....	1
1.2	REGIONAL GEOLOGY AND HYDROGEOLOGIC SETTING .....	2
1.2.1	SITE GEOLOGY .....	2
1.2.2	SITE HYDROGEOLOGY .....	3
1.3	GROUNDWATER MONITORING SYSTEM .....	4
<b>2</b>	<b>GROUNDWATER MONITORING ACTIVITIES</b> .....	<b>5</b>
2.1	MONITORING WELL INSTALLATION AND MAINTENACE .....	5
2.2	ASSESSMENT MONITORING .....	5
<b>3</b>	<b>SAMPLE METHODOLOGY &amp; ANALYSES</b> .....	<b>6</b>
3.1	GROUNDWATER ELEVATION MEASUREMENTS AND FLOW DIRECTION.....	6
3.2	GROUNDWATER GRADIENT AND FLOW VELOCITY .....	7
3.3	GROUNDWATER SAMPLING.....	7
3.4	LABORATORY ANALYSES.....	8
3.5	GROUNDWATER ANALYTICAL RESULTS.....	8
3.6	QUALITY ASSURANCE & QUALITY CONTROL....	9
<b>4</b>	<b>STATISTICAL ANALYSIS</b> .....	<b>11</b>
4.1	STATISTICAL METHOD .....	11
4.1.1	APPENDIX III STATISTICAL METHOD .....	11
4.1.2	APPENDIX IV STATISTICAL METHOD.....	12
4.2	STATISTICAL ANALYSES RESULTS – APPENDIX III .....	13
4.3	STATISTICAL ANALYSES RESULTS – APPENDIX IV.....	13
<b>5</b>	<b>MONITORING PROGRAM STATUS</b> .....	<b>14</b>
<b>6</b>	<b>CONCLUSIONS &amp; FUTURE ACTIONS</b> .....	<b>15</b>
<b>7</b>	<b>REFERENCES</b> .....	<b>16</b>

---

## **TABLES**

TABLE 1	SUMMARY OF DETECTION MONITORING WELL CONSTRUCTION DATA
TABLE 2	SUMMARY OF PIEZOMETER CONSTRUCTION
TABLE 3	GROUNDWATER SAMPLING EVENTS
TABLE 4	SUMMARY OF GROUNDWATER ELEVATIONS
TABLE 5	GROUNDWATER FLOW VELOCITY CALCULATIONS
TABLE 6	ANALYTICAL DATA SUMMARY APPENDIX III - AUGUST 2022 AND FEBRUARY 2023
TABLE 7	ANALYTICAL DATA SUMMARY APPENDIX IV – AUGUST 2022 AND FEBRUARY 2023
TABLE 8	STATISTICAL METHOD SUMMARY
TABLE 9	SUMMARY OF GROUNDWATER PROTECTION STANDARDS

---

## **FIGURES**

FIGURE 1	SITE LOCATION MAP
FIGURE 2	MONITORING NETWORK WELL LOCATION MAP
FIGURE 3	POTENTIOMETRIC SURFACE MAP– UPPER BEDROCK – AUGUST 23, 2022
FIGURE 4	POTENTIOMETRIC SURFACE MAP – UPPER BEDROCK- FEBRUARY 13, 2023



---

## *APPENDICES*

- APPENDIX A WELL REPAIRS AND INSPECTIONS
- APPENDIX B LABORATORY ANALYTICAL AND FIELD  
SAMPLING REPORTS – AUGUST 2022 AND  
FEBRUARY 2023
- APPENDIX C STATISTICAL ANALYSES



---

## *LIST OF ACRONYMS*

CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
cm/sec	Centimeters per Second
DO	Dissolved Oxygen
ft/day	Feet per Day
GA EPD	Georgia Environmental Protection Division
GWPS	Groundwater Protection Standard
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
mg/L	Milligrams per Liter
NAD	North America Datum of 1983
NAVD	North America Vertical Datum of 1988
NELAP	National Environmental Laboratory Accreditation Program
NTUS	Nephelometric Turbidity Units
OCGA	Official Code of Georgia Annotated
ORP	Oxidation-Reduction Potential
PL	Prediction Limit
QA/QC	Quality Assurance/Quality Control
RL	Reporting Limit (Laboratory)
SCS	Southern Company Services
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
su	Standard Unit (Unit for pH Values)
US EPA	United States Environmental Protection Agency



# 1 INTRODUCTION

In accordance with the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10(6)(a)-(c), this *2023 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document groundwater monitoring activities conducted at Georgia Power Company's (Georgia Power's) Plant Mitchell Ash Ponds A, 1, and 2. To specify groundwater monitoring requirements, GA EPD Rule 391-3-4-.10(6)(a) incorporates by reference the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) § 257 Subpart D. For ease of reference, the US EPA CCR Rules are cited within this report instead of the GA EPD Rules.

Groundwater monitoring and reporting for Plant Mitchell are performed in accordance with the monitoring requirements of § 257.90 through § 257.95. This annual report documents the activities completed from July 2022 through June 2023 in accordance with Georgia GA EPD Rule 391-3-4-.10(6)(c) and includes the semi-annual assessment monitoring events conducted in August 2022 and February 2023.

---

## 1.1 SITE DESCRIPTION AND BACKGROUND

Georgia Power's Plant Mitchell is located approximately eight miles south of Albany, Georgia. The Plant Mitchell site (the Site) is comprised of approximately 516 acres, with the northern portion of the Site located in Dougherty County and the southern portion located in Mitchell County. Baker County is located immediately to the west of the Site, with the Flint River forming the county boundary (**Figure 1: Site Location Map**). As depicted in **Figure 2: Monitoring Network Well Location Map**, the former coal-fired electric generating facility was located to the north of Ash Ponds A, 1, and 2. The Site is partially bounded by the Flint River on the west, the Georgia and Florida Railway on the east, pecan orchards to the south. The wooded land immediately north of the former plant buildings is owned by the Georgia Power Company.

There are three CCR surface impoundments (ash ponds) at the Site: Ash Pond A, Ash Pond 1, and Ash Pond 2. The three ash ponds are located adjacent to each other and are therefore considered to be one multi-unit for groundwater monitoring purposes. The former coal-fired plant buildings have been demolished. The CCR material is being removed from the ash ponds and the ponds are in the process of being closed. The removed CCR material is being transported by rail and/or by truck for disposal at an approved landfill or beneficially reused.

Plant Mitchell Ash Pond A was closed in 1962, Ash Pond 1 closed in 1980, and Ash Pond 2 ceased accepting CCR prior to October 19, 2015. Because the units ceased receiving waste prior to October 19, 2015, Ash Ponds A, 1, and 2 are not subject to Federal monitoring requirements of the CCR rule. The Plant Mitchell CCR Surface Impoundments (Ash Pond A, Ash Pond 1, and Ash Pond 2) Permit was issued by GA EPD on June 28, 2022 (Permit No. 047-024D(CCR)).

Groundwater monitoring has been initiated in order to meet GA EPD CCR requirements. The CCR background study was initiated in August 2016 and was completed in October 2018. The first detection monitoring event was conducted in March 2019 and the first

assessment monitoring event was in October 2019. During this annual reporting period, two semi-annual assessment monitoring events were conducted in August 2022 and February 2023. The Site remains in assessment monitoring.

---

## 1.2 REGIONAL GEOLOGY AND HYDROGEOLOGIC SETTING

The geology and hydrogeology of the Plant Mitchell Ash Ponds A, 1, and 2 are summarized below. The Plant Mitchell Site is located in the Dougherty Plain physiographic district within the Gulf Coastal Plain Physiographic Province (Watson, 1981; Clark and Zisa, 1976). The Dougherty Plain is characterized as relatively flat to gently rolling lowland karst terrain consisting of solutional features including caves, ephemeral streams, springs, and solution features which manifest surficially as shallow depressions.

The surface and near surface soils in the region consist of approximately 0 to 70 feet of unconsolidated sediment collectively referred to as residuum or overburden. This overburden is typically composed of discontinuous layers of sand and clay derived from the in-place weathering of the underlying Ocala Limestone. The overburden clay content ranges from 10 to 70 percent, with clay content typically being greater than 25 percent (Watson, 1981) making the overburden material less permeable than the underlying carbonate bedrock.

The Ocala Limestone in the region is described as a light-colored fossiliferous friable to well-indurated limestone (Gordon and Gonthier, 2017). Regionally, the Ocala Limestone is between 125 and 275 feet thick with increasing thickness to the southeast. The Ocala Limestone is part of the Floridan aquifer, which is hydraulically separated from the underlying Claiborne aquifer by the Lisbon Confining Unit (Gordon and Gonthier, 2017).

---

### 1.2.1 SITE GEOLOGY

Based on the borings drilled to establish the detection monitoring network, the lithologies underlying the ash pond area from the ground surface to depth are overburden (residuum) and carbonate bedrock. The overburden (residuum) at the Site consists of an interlayered sequence of predominantly fine-grained unconsolidated material including reddish brown to gray silty and clayey sands overlying sandy clay and clay. The overburden material is composed of the residual product of weathering of the underlying Ocala Limestone in the form of non-calcareous clay interlayered with quartz sand alluvium deposits (Hicks et al, 1981). A discontinuous zone of low permeability fine-grained sediments overlying the Ocala Limestone may serve as a barrier that restricts vertical movement of groundwater from the overburden to the limestone beneath the ash pond area, as indicated by many of the boring logs from multiple subsurface investigations at the Site. The *Hydrogeologic Assessment Report* (Wood, 2022) presents laboratory analysis of undisturbed samples collected from fine-grained sediment directly overlying the limestone indicate this material can exhibit a permeability on the order of  $10^{-4}$  to  $10^{-8}$  centimeters per second (cm/sec) or  $10^{-1}$  to  $10^{-5}$  feet per day (ft/day). These values are generally consistent with the published range of literature values for overburden materials in the Dougherty Plain area. Hayes, et al. (1983) estimated horizontal hydraulic conductivity ranging from 0.0004 feet/day to 30 feet/day with a median value of 0.002 feet/day for samples gathered in the Dougherty Plain. A sample collected to the north of

the study area of Hayes, et al. (1983) estimated a hydraulic conductivity value of 0.002 feet/day and a vertical hydraulic conductivity value of 0.001 feet/day.

Locally, the Ocala Limestone bedrock is characterized as a pink to white, slightly silty, friable to well indurated fossiliferous limestone. The contact between overburden and bedrock at the Site is noted as an abrupt and distinct change in color, texture, and carbonate content from the overburden to bedrock. The Ocala Limestone is often described in the boring logs as a fine to coarse calcareous sand with increasing consolidation and cementation with depth. The surface of the carbonate bedrock is highly irregular due to differential weathering. In general, the bedrock surface slopes from the Site toward the Flint River in the west and southwest, and toward the unnamed creek in the east. As described in the *Hydrogeologic Assessment Report* (Wood, 2022), in-situ hydraulic conductivity (slug) tests in the bedrock at the Site ranged from  $3.83 \times 10^{-4}$  to  $2.05 \times 10^{-3}$  cm/sec or 1.08 to 5.81 feet/day with an average of  $1.07 \times 10^{-3}$  cm/sec or 3.04 feet/day.

---

### 1.2.2 SITE HYDROGEOLOGY

Two main hydrostratigraphic units are present at the Site: overburden (residuum) and carbonate bedrock and comprise the uppermost aquifer. The bedrock and lower part of the overburden are saturated. Where there is CCR/embankment material overlying the overburden and bedrock, it is predominantly unsaturated as indicated by several piezometers screened in the CCR/overburden contact. The monitoring well network for the Ash Ponds monitors the carbonate upper bedrock because the limestone yields usable, continuous, and persistent water, unlike the overlying overburden.

General groundwater flow in the bedrock aquifer is from the northern and eastern boundaries of the Site toward Ash Ponds 1 and 2 where a more dominant westerly flow direction is present as indicated on **Figure 3: Potentiometric Surface Map – Upper Bedrock – August 23, 2022**.

As indicated on **Figure 4: Potentiometric Surface Map – Upper Bedrock – February 13, 2023**, groundwater flow in the bedrock aquifer is from the northern boundary toward the west-southwest, consistent with previously observed flow directions. Groundwater flow direction from the upgradient wells (Table 1) is towards Ash Pond 1 and towards the Flint River. In the Ash Ponds 1 and 2 area of the Site there is a groundwater flow toward the west-southwest and a flow direction toward the east-southeast. The easterly flow for this event is believed to be from the influence of rainfall prior to the water level measurements and elevated river level. On February 11-12, 2023, approximately 2.56 inches of rain was measured by the on-site rain gauge. On February 13, 2023, the water level in the Flint River adjacent to the Site was above the top of the riverbank. The groundwater elevations measured on February 13, 2023 for the semi-annual event were on average about eight feet higher than the groundwater elevations measured during the August 23, 2022 semi-annual event. With an easterly groundwater flow during the February 2023 event, the eastern side of Ash Ponds 1 and 2 was monitored by detection wells PZ-23A, PZ-33, and PZ-14. The February 2023 Appendix III and IV constituent concentrations in these three wells were very similar to the August 2022 concentrations. Although the upgradient wells also showed higher groundwater elevations during the February 2023 event, the flow direction remained consistent to the west-southwest, and consistent with historical measurements.

---

## 1.3 GROUNDWATER MONITORING SYSTEM

Ash Ponds A, 1, and 2 are located adjacent to each other and are therefore considered to be one multi-unit for groundwater monitoring purposes. The groundwater monitoring system is described below.

Groundwater at the Site is monitored using a comprehensive monitoring system of wells installed to meet federal and state monitoring requirements. Pursuant to § 257.91, Georgia Power installed a groundwater monitoring system within the uppermost aquifer at Ash Ponds A, 1, and 2. The monitoring system is designed to monitor groundwater passing the waste boundary of the Ash Ponds A, 1, and 2 within the uppermost aquifer. Wells were located to serve as upgradient or downgradient monitoring points of Ash Ponds A, 1, and 2 based on groundwater flow direction. The monitoring well locations are shown in **Figure 2** and **Table 1 Summary of Detection Monitoring Well Construction Data** provides construction details for the detection monitoring wells in the CCR monitoring network. The monitoring wells are supplemented with piezometers that are used for water level measurements only (**Table 2: Summary of Piezometer Construction**).

## 2 GROUNDWATER MONITORING ACTIVITIES

As required by 257.90(e), the following describes monitoring-related activities performed from July 2022 through June 2023. The groundwater sampling was performed in August 2022 and February 2023 for assessment monitoring in accordance with § 257.93. Samples were collected from each of the monitoring wells listed in **Table 3: Groundwater Sampling Events**.

---

### 2.1 MONITORING WELL INSTALLATION AND MAINTENANCE

Monitoring well-related activities conducted during this period included the following:

- Monitoring wells are inspected semi-annually to determine if repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2022 and February 2023, monitoring wells were inspected, necessary corrective actions were identified and subsequently completed, as documented in **Appendix A: Well Repairs and Inspections**. The inspection and repairs were performed under the direction of a professional geologist or engineer registered in the State of Georgia.
- A few minor repairs and maintenance activities were conducted on the wells during the August/October 2022 and February 2023 events and are summarized in the well repair memos in **Appendix A**.
- Sediment was encountered in the water column and in the bottom of water-level measurement piezometer MW-102. On August 26, 2022, the piezometer was re-developed by surging and pumping to remove the sediment. The re-development data is in **Appendix A**.

---

### 2.2 ASSESSMENT MONITORING

Pursuant to § 257.94(e)(1), Georgia Power implemented assessment monitoring based on Statistically Significant Increases (SSIs) of Appendix III constituents identified in the initial detection monitoring event (March 2019). An Assessment Monitoring Program Notification was prepared for Ash Ponds A, 1, and 2 on November 13, 2019, pursuant to § 257.94(e)(3) and placed in the facility's Operating Record as required by § 257.105(h)(5).

Two semi-annual assessment monitoring events were conducted during this reporting period in August 2022 and February 2023. Pursuant to § 257.95(d)(1), groundwater samples collected from the CCR monitoring network wells were analyzed for Appendix III constituents and the full suite of Appendix IV constituents. Data reports for the August 2022 monitoring event (including the October 2022 re-sampling) and February 2023 are included in **Appendix B: Laboratory Analytical and Field Sampling Reports**.

# 3 SAMPLE METHODOLOGY & ANALYSES

The following sections describe the methods used to complete groundwater monitoring at Plant Mitchell Ash Ponds A, 1, and 2.

---

## 3.1 GROUNDWATER ELEVATION MEASUREMENTS AND FLOW DIRECTION

Prior to each sampling event, groundwater elevations are recorded from each well in the network for Plant Mitchell Ash Ponds A, 1, and 2. Groundwater elevations recorded during the August 2022 and February 2023 monitoring events are summarized in **Table 4: Summary of Groundwater Elevations**. Groundwater elevation data from the monitoring events were used to develop potentiometric surface elevation contour maps (**Figure 3: Potentiometric Surface Map – Upper Bedrock – August 23, 2022** and **Figure 4: Potentiometric Surface Map – Upper Bedrock – February 13, 2023**). The August 2022 and February 2023 groundwater elevations were calculated using the re-surveyed top of casing elevations from the June 15, 2020 survey by McKim & Creed. Groundwater flow in the carbonate upper bedrock (**Figure 3**) is to the west-southwest. The groundwater flow pattern observed during the August 2022 monitoring event is consistent with conditions observed during previous monitoring events.

As indicated on **Figure 4: Potentiometric Surface Map – Upper Bedrock – February 13, 2023**, groundwater flow in the bedrock aquifer is from the northern boundary toward the west-southwest, consistent with previously observed flow directions. Groundwater flow direction from the upgradient wells (Table 1) is towards AP-1 and towards the Flint River. In the Ash Ponds 1 and 2 area of the Site there is a groundwater flow toward the west-southwest and a flow direction toward the east-southeast. The easterly flow for this event is believed to be from the influence of rainfall prior to the water level measurements and elevated river level. On February 11-12, 2023, approximately 2.56 inches of rain was measured by the on-site rain gauge. On February 13, 2023, the water level in the Flint River adjacent to the Site was above the top of the riverbank. The groundwater elevations measured on February 13, 2023 for the semi-annual event were on average about eight feet higher than the groundwater elevations measured during the August 23, 2022 semi-annual event. With an easterly groundwater flow during the February 2023 event, the eastern side of Ash Ponds 1 and 2 was monitored by detection wells PZ-23A, PZ-33, and PZ-14. The February 2023 Appendix III and IV constituent concentrations in these three wells were very similar to the August 2022 concentrations. Although the upgradient wells also showed higher groundwater elevations during the February 2023 event, the flow direction remained consistent to the west-southwest, and consistent with historical measurements.

## 3.2 GROUNDWATER GRADIENT AND FLOW VELOCITY

The horizontal groundwater flow velocity at Plant Mitchell Ash Ponds A, 1, and 2 was calculated using the commonly used derivative of Darcy's Law. Specifically,

Where:

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

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

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

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

$n_e$  = Effective porosity

Although Darcy's equation is primarily applicable to diffuse flow in porous media, it is also used where flow is analogous to conditions in a homogenous aquifer. Stewart, et al. (1999) states that "water flow in the Upper Floridan (Ocala Limestone) can be classified generally as (1) diffuse, where flow is analogous to conditions in homogenous aquifer, and can be described by using basic Darcian equations; and (2) conduit, where water flows in distinct conduits and surrounding rock has comparatively low porosity and low permeability." Based on the lack of karst features such as cavities in boring logs, the narrow range and relatively low values of hydraulic conductivity, and relatively uniform potentiometric surface for the bedrock aquifer at the Site, the application of Darcy's equation produces approximate linear groundwater flow velocities for the shallow bulk carbonate bedrock aquifer.

Groundwater flow velocities were calculated using an average hydraulic conductivity value of 3.04 feet/day, and an effective porosity of 20 percent (Hayes, et al., 1983). **Table 5: Groundwater Flow Velocity Calculations** summarizes the groundwater flow velocities. Results for groundwater flow velocities ranged from 0.010 to 0.039 feet/day (3.65 to 14.24 feet/year). These calculated groundwater velocities across the Site are generally consistent with historical calculations and with expected velocities in the site-specific geology, therefore, confirming the groundwater monitoring network is properly located to monitor the uppermost aquifer.

## 3.3 GROUNDWATER SAMPLING

Groundwater samples were collected for the August 2022 and February 2023 monitoring events in accordance with § 257.93(a). Monitoring wells PZ-2D, PZ-25, and PZ-32 were re-sampled on October 11, 2022 for total dissolved solids (TDS) and well PZ-25 was also re-sampled for mercury. The re-sampling was conducted because the laboratory analyzed the initial four samples outside of the analytical method holding time. Each of the monitoring wells at the Site is equipped with a dedicated QED bladder pump. The monitoring wells were purged and sampled using low-flow sampling procedures. Sampling equipment and pump intakes were placed at the midpoint of the well screen. Care was taken to maintain a water level above the top of screen and not draw the water level down below the pump during purging. Water level stabilization was achieved when three consecutive water level measurements vary by 0.3 foot or less at a pumping rate of

no less than 100 milliliters per minute. An AquaTroll (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP) and a Hach 2100Q (or similar) portable turbidity meter was used to measure turbidity during well purging to verify stabilization prior to sampling. Groundwater samples were collected when the following stabilization criteria were met:

- pH  $\pm$  0.1 Standard Units (s.u.).
- Specific conductance  $\pm$  5 percent.
- DO  $\pm$ 10 percent or  $\pm$ 0.2 milligrams per liter (mg/L) (whichever is greater) for DO where DO > 0.5 mg/L. If DO < 0.5 mg/L no stabilization criteria apply
- Turbidity measurements less than 5 Nephelometric Turbidity Units, or between 5 and 10 NTUs after 3 hours of purging.

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to the analytical laboratory following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the monitoring events are provided in **Appendix B**.

### 3.4 LABORATORY ANALYSES

The full suites of Appendix III and IV constituents were analyzed during the August 2022 and February 2023 semi-annual events. Analytical methods used for groundwater sample analyses are listed on the analytical laboratory reports included in **Appendix B**.

Laboratory analyses were performed by Pace Analytical Services, LLC, of Peachtree Corners, Georgia, Asheville, North Carolina, and Greensburg, Pennsylvania. The Pace laboratories are accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all constituents analyzed. In addition, Pace laboratories are certified to perform analysis by the State of Georgia. Groundwater data laboratory reports and chain of custody records for the monitoring events are presented in **Appendix B**.

### 3.5 GROUNDWATER ANALYTICAL RESULTS

**Table 6: Analytical Data Summary Appendix III – August 2022 and February 2023**, summarizes the analytical data for the Appendix III constituents for the semi-annual monitoring events. The complete laboratory and field data sheets are included in **Appendix B**. Time series data for the Appendix III constituents are provided in **Appendix C: Statistical Analyses**.

**Table 7: Analytical Data Summary Appendix IV – August 2022 and February 2023** summarizes the analytical data for the Appendix IV constituents for the August 2022 and February 2023 semi-annual monitoring events. The complete laboratory and field data sheets are included in **Appendix B**. Time series data for the Appendix IV constituents are provided in **Appendix C**.



### 3.6 QUALITY ASSURANCE & QUALITY CONTROL

During each sampling event, quality assurance/quality control (QA/QC) samples are collected. Equipment blanks (where non-dedicated sampling equipment is used) are collected at a rate of one QA/QC sample per 10 groundwater samples. Blind field duplicate samples were collected by filling additional containers at the same location during the sampling event and were collected at a rate of one QA/QC sample per 20 groundwater samples. Field blanks were also collected to evaluate ambient conditions at the sampling locations at a rate of one QA/QC sample per 20 groundwater samples. Quality assurance and quality control of the groundwater data was assessed by performing a data quality evaluation of the laboratory results reported. A data quality evaluation was conducted on the data using laboratory precision and accuracy, and analytical method requirements. The constituent concentrations were generally within the historical range of concentrations. The data quality evaluations are included in **Appendix B**.

The analytical results provided in **Tables 6 and 7** provide concentrations from the most recent sampling events as reported by the laboratory. When values are followed by a "J" flag, this indicates that the value is an estimated analyte concentration detected between the method detection limit and the laboratory reporting limit. The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. Radium values followed by a "U" flag indicate the constituent was not detected above the analytical minimum detectable concentration. The relative percent differences (RPD) for the August 2022 and February 2023 parent and duplicate sample data (August 2022: PZ-1D/FD-01 and PZ-18/FD-02) and (February 2023: PZ-19/FD-01 and PZ-25/FD-02) for anions and metals data was less than 20 percent indicating good sampling precision. Because radium was not detected in either of the sample duplicate pairs (PZ-1D/FD-01 and PZ-18/FD-02 or PZ-19/FD-01 and PZ-25/FD-02), the radium RPD could not be calculated. RPDs are only evaluated for results greater than five times the analytical minimum detectable concentration.

Laboratory quality issues were identified with a few of the samples analyzed for TDS and mercury. The TDS samples from wells PZ-2D, PZ-25, and PZ-32 and the field blank sample, collected on August 24, 2022, were analyzed beyond the seven-day TDS analytical method holding time. The mercury sample from well PZ-25 was analyzed beyond the mercury analytical method 28-day holding time. Therefore, on October 11, 2022, wells PZ-2D, PZ-25, and PZ-32 were re-sampled for TDS analysis. Well PZ-25 was also re-sampled for mercury analysis. A field duplicate, equipment blank, and field blank were also collected during the re-sampling event. The October 11, 2022 results replaced the August 24, 2022 results for these four samples. The RPD for the parent and duplicate sample data (PZ-25/FD-01) for TDS data was less than 20 percent indicating good sampling precision. Because mercury was not detected in either sample duplicate pair (PZ-25/FD-01), the mercury RPD could not be calculated. No re-sampling was required for the February 2023 event.

Samples PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-23A, and FD-02, collected on August 25, 2022, required a five times dilution for boron to bring the concentration into the calibration range or to minimize matrix effects from the presence of elevated levels of non-target analytes or other matrix interference. The diluted concentrations were similar



to past detected concentrations in these wells. The PZ-14 boron sample had a non-detect result with the five times dilution and was re-analyzed at a one times dilution. No dilutions were required for the February 2023 samples. The data are considered usable for meeting project objectives and the results are considered valid.

## 4 STATISTICAL ANALYSIS

The Site is currently in assessment monitoring. Statistical analysis of Appendix III groundwater monitoring data was performed on samples collected from the groundwater monitoring network pursuant to § 257.93(f) and following the Professional Engineer-certified statistical analysis plans. The statistical analysis plan used at the Site was developed in April 2019 by Groundwater Stats Consulting in accordance with § 257.93(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, EPA 530/R-09-007 (US EPA, 2009). To develop the statistical method, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix III constituent. Subsequent detection monitoring results were compared to the statistical limits to determine if concentrations were statistically different from background.

Pursuant to § 257.95(d)(2), Georgia Power established groundwater protection standards (GWPS) for the Appendix IV monitoring constituents and conducted statistical analysis of the Appendix IV groundwater monitoring data obtained during the August 2022 and February 2023 semi-annual assessment monitoring events with the October 2022 re-sampling to evaluate if concentrations statistically exceeded the established GWPS. The following subsections provide an overview of the statistical methods used to evaluate Appendix III and IV constituents and statistical analyses results.

---

### 4.1 STATISTICAL METHOD

Sanitas groundwater statistical software was used to perform the statistical analyses at the Site. Sanitas is a commercially available decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the Unified Guidance (US EPA, 2009) document. The Sanitas groundwater statistical software was used to perform the statistical analyses of groundwater quality semi-annual data obtained in August and October 2022, and February 2023. The interwell statistical method was used for the analysis of the Appendix III constituents. Confidence intervals were calculated for each of the detected Appendix IV constituents in each downgradient well. **Table 8: Statistical Method Summary** provides a summary of the statistical methodology used at Ash Ponds A, 1, and 2 for the semi-annual monitoring events conducted in August 2022 and February 2023 and will be used for routine monitoring in the future. Specific methodology information is described in the following paragraphs.

---

#### 4.1.1 APPENDIX III STATISTICAL METHOD

Statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PL) combined with a 1-of-2 verification re-sample plan for each of the Appendix III constituents. The interwell prediction limits were used to evaluate the full suite of Appendix III constituents. When using the interwell method, upgradient well data are pooled to establish a background statistical limit (PL) for each constituent. Pooled concentrations from Site upgradient wells (PZ-1D, PZ-2D, PZ-31, PZ-32) were used to establish the prediction limit for each individual Appendix III constituent. Appendix III constituent concentrations from the semi-annual August 2022 and February 2023

monitoring events and the October 2022 re-sampling were compared to the interwell prediction limits to evaluate whether downgradient well concentrations exceed background statistical limits. When a constituent concentration exceeds the PL, a statistically significant increase (SSI) exceedance is identified.

If data from a sampling event initially exceeds the PL, an optional resampling strategy can be used to verify the result as described in Section 4.1 and **Table 8**. A confirmed exceedance is only noted when the re-sample confirms the initial exceedance by also exceeding the prediction limit or if re-sampling is not performed. If the re-sample does not exceed the PL, then there is no SSI.

#### 4.1.2 APPENDIX IV STATISTICAL METHOD

The assessment monitoring program statistics for Appendix IV constituents at Plant Mitchell were conducted in two parts. The first part was the calculation of tolerance limits for site-specific background limits for Appendix IV constituents. The second part was the calculation of confidence intervals for individual downgradient well/constituent pairs.

Interwell tolerance limits were used to calculate the site-specific background limits from pooled upgradient well data for Appendix IV constituents. Parametric tolerance limits are used when data follow a normal or transformed-normal distribution such as for barium, chromium, and radium. When data contained greater than 50 percent non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. The background limits were then used when determining the GWPS under 40 CFR § 257.95(h).

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, GA EPD has incorporated the updated GWPS into the current GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). As described in 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 specified GWPS

Following the above rule requirements, GWPSs were established for statistical comparison of Appendix IV constituents for the August 2022 and February 2023 sampling events. **Table 9: Summary of Groundwater Protection Standards** summarizes the GWPSs established for each event for the Appendix IV constituents. The background levels for each event are summarized in **Appendix C**.

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in each downgradient well for each event. The Sanitas software was used to calculate the tolerance limits and the confidence intervals. Those confidence intervals were compared to the GWPS established using the GA EPD Rules 391-3-4-.10(6)(a). 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, an SSL exceedance is identified.

---

## 4.2 STATISTICAL ANALYSES RESULTS – APPENDIX III

The statistical analysis and comparison to prediction limits are included as **Appendix C: Statistical Analyses**. Based on review of the full Appendix III statistical analysis discussion presented in **Appendix C**, groundwater conditions have not returned to background concentrations and assessment monitoring should continue to be conducted.

---

## 4.3 STATISTICAL ANALYSES RESULTS – APPENDIX IV

**Appendix C: Statistical Analyses** shows the individual well/constituent pairs with their respective confidence intervals in comparison to the respective constituent GWPS. There are no confidence intervals of the individual well/constituent pairs above a GWPS, established according to GA EPD Rules 391-3-4-.10(6)(a). Therefore, no SSLs were identified for the August/October 2022 or the February 2023 sampling events.



## 5 MONITORING PROGRAM STATUS

The Plant Mitchell Ash Ponds A, 1, and 2 CCR multi-unit is in assessment monitoring due to the detection of SSIs of Appendix III constituents initially in March 2019. Similar SSIs of Appendix III constituents were detected in the August 2022 and February 2023 semi-annual events. No SSIs of the Appendix III constituents were detected in the October 2022 re-sampling event. No SSLs were identified for the Appendix IV constituents during the August/October 2022 or the February 2023 events. Pursuant to § 257.95, Georgia Power will continue assessment monitoring at Plant Mitchell Ash Ponds A, 1, and 2.



## 6 CONCLUSIONS & FUTURE ACTIONS

This *2023 Annual Groundwater Monitoring & Corrective Action Report* for Georgia Power's Plant Mitchell Ash Ponds A, 1, and 2 was prepared to fulfill the requirements of Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10. Statistical evaluations of the groundwater monitoring data for Plant Mitchell Ash Ponds A, 1, and 2 identified SSIs of Appendix III groundwater monitoring constituents. Georgia Power has initiated assessment monitoring pursuant to the requirements of § 257.95. The next semi-annual assessment sampling event is planned for August 2023. The next semi-annual assessment monitoring event will include sampling and analysis of the full suites of Appendix III and Appendix IV constituents.

## 7 REFERENCES

- Clark, W.Z., and Zisa, A.C., 1976. Physiographic Map of Georgia: 1:2,000,000, Georgia Department of Natural Resources, Geologic and Water Resources Division, Atlanta, Georgia.
- Georgia Department of Natural Resources, Environmental Protection Division, November 2016. Solid Waste Management Coal Combustion Residuals 391-3-4-.10.
- Gordon, D.W., and Gonthier, G., 2017. Hydrology of the Claiborne Aquifer and Interconnection with the Upper Floridan Aquifer in Southwest Georgia: U.S. Geological Survey Scientific Investigations, Report 2017–5017, 49 p.
- Hayes, L.R., Maslia, M.L., Meeks, W.C., 1983. Hydrology and Model Evaluation of the Principal Artesian Aquifer, Dougherty Plain, Southwest Georgia: Georgia Geologic Survey Bulletin 97, 93 p.
- Hicks, D.W., Krause, R.E., and Clarke, J.S., 1981. Geohydrology of the Albany area, Georgia: Georgia Geologic Survey Information Circular 57, 31 p.
- Sanitas: Groundwater Statistical Software, Sanitas Technologies, Shawnee, KS, 2007. [www.sanitastech.com](http://www.sanitastech.com).
- Southern Company Services, Inc., 1995a. A Chronological History of the Ash Ponds at Plant Mitchell, Albany, Georgia: Georgia Power Company.
- Southern Company Services, Inc., 1995b. Geophysical Survey Drawing E5330, Albany, Georgia: Georgia Power Company.
- Stewart, L.M., Warner, D., and Dawson, B.J., 1999. Hydrogeology and Water Quality of the Upper Floridan Aquifer, Western Albany Area, Georgia: U. S. Geological Survey Water-Resources Investigations, Report 99-4140, 49 p.
- US EPA, 2000. Guidance for Data Quality Assessment: Practical Methods for Data Analysis; US EPA QA/G-9, QA00 Update. Environmental Protection Agency Report US EPA/600/R-96/084, Office of Environmental Information, Washington, D.C.
- US EPA, 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.
- US EPA, 2011. Data Validation Standard Operating Procedures, Science and Ecosystem Support Division. Region IV. Athens, GA. September.
- US EPA, 2015. Federal Register. Volume 80. No. 74. Friday April 17, 2015. Part II. Environmental Protection Agency. 40 CFR Parts 257 and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule. [EPA-HQ-RCRA–2009–0640; FRL–9919–44–OSWER]. RIN–2050–AE81. April.
- US EPA, 2017. National Functional Guidelines for Inorganic Superfund Methods Data, Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC. January.





Watson, T.W., 1981. Geohydrology of the Dougherty Plain and Adjacent Area Southwest, Georgia: Georgia Geologic Survey Hydrologic Atlas 5.

Wood Environment & Infrastructure Solutions, Inc., March 2022. Hydrogeologic Assessment Report, Plant Mitchell – Ash Ponds A, 1 & 2, Dougherty and Mitchell Counties, Georgia.

Wood Environment & Infrastructure Solutions, Inc., March 2022. Groundwater Monitoring Plan, Plant Mitchell – Ash Ponds A, 1 & 2, Dougherty and Mitchell Counties, Georgia.



# TABLES



**TABLE 1**  
**SUMMARY OF DETECTION MONITORING WELL CONSTRUCTION DATA**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Well Name	Installation Date	Northing <sup>(1)</sup>	Easting <sup>(1)</sup>	Ground Surface Elevation (feet NAVD88) <sup>(2)</sup> (June 2020 Resurvey)	Top of Casing Elevation (feet NAVD88) <sup>(2)</sup> (June 2020 Resurvey)	Top of Screen Elevation (feet NAVD88) <sup>(3)</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>(3)</sup>	Total Well Depth on Construction Log (feet below land surface)	Groundwater Zone Screened	Location
PZ-1D	6/11/2014	526353.9	2307362.8	193.44	196.44	125.8	115.8	78.0	Bedrock	Upgradient
PZ-2D	6/10/2014	526067.3	2308155.4	175.64	178.51	108.0	98.0	78.0	Bedrock	Upgradient
PZ-31	10/13/2016	526996.3	2306857.6	180.32	182.96	133.3	123.3	57.0	Bedrock	Upgradient
PZ-32	10/13/2016	526078.7	2307723.7	178.19	180.75	126.2	116.2	62.0	Bedrock	Upgradient
PZ-7D	6/3/2014	521425.1	2305995.3	170.28	173.08	123.7	113.7	57.0	Bedrock	Downgradient
PZ-14	7/25/2016	521473.1	2306804.8	180.85	183.46	140.9	130.9	50.0	Bedrock	Downgradient
PZ-15	7/23/2016	521600.2	2305357.3	167.38	170.37	97.4	87.4	80.0	Bedrock	Downgradient
PZ-16	7/25/2016	522125.0	2305359.9	171.21	173.92	131.2	121.2	50.0	Bedrock	Downgradient
PZ-17	7/22/2016	522587.9	2305886.7	170.12	172.91	120.1	110.1	60.0	Bedrock	Downgradient
PZ-18	7/23/2016	523145.7	2306142.3	167.34	170.11	117.3	107.3	60.0	Bedrock	Downgradient
PZ-19	7/13/2016	523582.1	2306153.6	169.40	172.05	120.4	110.4	60.0	Bedrock	Downgradient
PZ-23A	3/10/2020	523831.5	2307743.4	189.06	191.85	134.6	124.6	64.5	Bedrock	Downgradient
PZ-25	7/20/2016	524492.6	2306152.0	168.24	171.14	118.2	108.2	60.0	Bedrock	Downgradient
PZ-33	10/2/2016	522212.6	2307233.9	187.08	189.61	126.7	116.7	70.4	Bedrock	Downgradient
PZ-57 <sup>(4)</sup>	11/4/2021	522849.9	2306107.5	166.54	169.35	107.0	97.0	70.0	Bedrock	Downgradient

Notes:

- (1) Coordinates are North American Datum of 1983 (NAD 83) (2011) Georgia State Plane, West Zone. Monitoring wells were re-surveyed by McKim & Creed, Inc. on June 15, 2020.
- (2) NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988. Monitoring wells were re-surveyed by McKim & Creed, Inc. on June 15, 2020.
- (3) Screen elevations calculated using depth below land surface and ground surface elevations from the June 2020 re-survey.
- (4) Monitoring well PZ-57 was surveyed on December 10, 2021 by McKim & Creed, Inc.

**TABLE 2**  
**SUMMARY OF PIEZOMETER CONSTRUCTION**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1 and 2**  
**Putney, Georgia**

Well Name	Installation Date	Northing <sup>(1)</sup>	Easting <sup>(1)</sup>	Ground Surface Elevation (feet NAVD88) <sup>(2)</sup> (June 2020 Re-survey)	Top of Casing Elevation (feet NAVD88) <sup>(2)</sup> (June 2020 Re-survey)	Top of Screen Elevation (feet NAVD88) <sup>(3)</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>(3)</sup>	Total Well Depth on Construction Log (feet below land surface)	Groundwater Zone Screened	Location
PZ-01R	2/10/2016	524398.0 <sup>(4)</sup>	2306492.9 <sup>(4)</sup>	188.2 <sup>(4)</sup>	191.87 <sup>(4)</sup>	132.2	122.2	66.7	Overburden (Clay)/Bedrock	Downgradient
PZ-1S	6/11/2014	526357.1	2307356.7	193.43	196.52	145.8	135.8	58.0	Overburden (Clay)	Upgradient
PZ-02R	2/3/2016	522696.6 <sup>(4)</sup>	2306666.5 <sup>(4)</sup>	188.5 <sup>(4)</sup>	191.66 <sup>(4)</sup>	131.6	121.6	67.2	Overburden (Clay)/Bedrock	Downgradient
PZ-2S	6/10/2014	526066.7	2308163.4	175.63	178.61	131.6	121.6	54.4	Overburden (Sandy Clay)	Upgradient
PZ-3D	5/28/2014	525373.2	2307918.1	188.08	190.98	110.5	100.5	88.0	Bedrock	Upgradient
PZ-3S	5/28/2014	525365.6	2307918.8	188.14	191.12	138.5	128.5	60.0	Overburden (Sand/Clayey Sand)	Upgradient
PZ-4D	5/29/2014	524198.2	2308009.5	188.25	191.10	142.7	132.7	56.0	Bedrock	Downgradient
PZ-4S	5/29/2014	524192.1	2308005.0	188.42	191.20	163.8	153.8	35.0	Overburden (Sand/Clay)	Downgradient
PZ-6S	6/13/2014	522254.0	2307207.5	186.52	189.47	148.9	138.9	48.0	Overburden (Clay)	Downgradient
PZ-7S	6/3/2014	521424.4	2306002.8	170.10	173.10	146.5	136.5	34.0	Overburden (Clay)	Downgradient
PZ-8D	6/5/2014	521442.1	2305207.9	167.24	170.35	100.6	90.6	77.0	Bedrock	Downgradient
PZ-8S	6/5/2014	521440.2	2305217.4	167.67	170.78	142.9	132.9	35.2	Overburden (Sand)	Downgradient
PZ-9D	6/4/2014	521770.9	2305127.5	163.18	166.16	126.6	116.6	47.0	Bedrock	Downgradient
PZ-9S	6/5/2014	521763.7	2305125.7	163.06	166.02	145.5	135.5	28.0	Overburden (Sand)/Bedrock	Downgradient
PZ-10S	6/3/2014	522465.8	2305401.6	172.64	175.63	137.0	127.0	46.0	Bedrock	Downgradient
PZ-12S	6/4/2014	523794.9	2305676.8	170.93	173.92	133.3	123.3	48.0	Bedrock	Downgradient
PZ-13S	6/6/2014	524467.0	2305810.0	170.23	173.22	132.6	122.6	48.0	Overburden (Clay)	Downgradient
PZ-20	7/14/2016	524025.0	2306152.6	170.62	173.44	121.1	111.1	60.0	Bedrock	Downgradient
PZ-21	7/29/2016	524639.5	2306932.0	177.08	179.84	117.1	107.1	70.0	Bedrock	Downgradient
PZ-22	7/28/2016	524622.4	2307749.0	184.76	187.69	134.8	124.8	60.0	Bedrock	Downgradient
PZ-24A	3/6/2020	523151.8	2307445.9	192.25	194.97	142.3	132.3	60.0	Bedrock	Downgradient
PZ-27	10/4/2016	522440.4	2305235.1	161.88	164.58	123.6	113.6	48.3	Bedrock	Downgradient
PZ-28	10/13/2016	522953.9	2305347.3	163.49	165.96	126.5	116.5	47.0	Bedrock	Downgradient
PZ-29	10/4/2016	523857.8	2305593.0	170.42	173.18	123.9	113.9	56.5	Bedrock	Downgradient

**TABLE 2**  
**SUMMARY OF PIEZOMETER CONSTRUCTION**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1 and 2**  
**Putney, Georgia**

Well Name	Installation Date	Northing <sup>(1)</sup>	Easting <sup>(1)</sup>	Ground Surface Elevation (feet NAVD88) <sup>(2)</sup> (June 2020 Re-survey)	Top of Casing Elevation (feet NAVD88) <sup>(2)</sup> (June 2020 Re-survey)	Top of Screen Elevation (feet NAVD88) <sup>(3)</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>(3)</sup>	Total Well Depth on Construction Log (feet below land surface)	Groundwater Zone Screened	Location
MW-101	2/14/1995	524507.6	2306160.1	168.14	170.93	154.8	145.3	23.4	Overburden (Sand and Clay)	Downgradient
MW-102	2/22/1995	524508.2	2306153.6	168.10	170.93	132.3	122.8	45.9	Bedrock	Downgradient
MW-111	2/23/1995	521618.2	2305308.8	165.28	168.06	127.8	118.8	47.0	Bedrock	Downgradient
MW-113	2/21/1995	522357.4	2305578.4	171.88	174.61	129.6	120.1	52.4	Bedrock	Downgradient
MW-116	2/23/1995	523649.9	2306082.5	168.93	171.69	100.7	94.3	75.2	Bedrock	Downgradient
MW-120	2/24/1995	525216.0	2307100.9	191.03	193.79	152.8	143.3	48.3	Overburden (Clay)/Bedrock	Upgradient

Notes:

- (1) Coordinates are North American Datum of 1983 (NAD 83) (2011) Georgia State Plane, West Zone. Piezometers were re-surveyed by McKim & Creed, Inc. on June 15, 2020.
- (2) NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988. Piezometers were re-surveyed by McKim & Creed, Inc. on June 15, 2020.
- (3) Screen elevations calculated using depth below land surface and ground surface elevations from the June 2020 re-survey.
- (4) Coordinates and elevations for piezometers PZ-01R and PZ-02R are from E&CS Civil Field Services March 2, 2016.  
PZ-01R and PZ-02R were not re-surveyed in June 2020 as the piezometers were not accessible due to construction activities.

**TABLE 3**  
**GROUNDWATER SAMPLING EVENTS**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Well ID	Hydraulic Location	Summary of Sampling Events			Status of Monitoring Well
		August 24-26, 2022	October 11, 2022	February 13-16, 2023	
Purpose of Sampling Event		Assessment	Re-sample	Assessment	
<b>ASH PONDS DETECTION MONITORING WELL NETWORK</b>					
PZ-1D	Upgradient	X		X	Assessment Monitoring
PZ-2D	Upgradient	X	X	X	Assessment Monitoring
PZ-31	Upgradient	X		X	Assessment Monitoring
PZ-32	Upgradient	X	X	X	Assessment Monitoring
PZ-7D	Downgradient	X		X	Assessment Monitoring
PZ-14	Downgradient	X		X	Assessment Monitoring
PZ-15	Downgradient	X		X	Assessment Monitoring
PZ-16	Downgradient	X		X	Assessment Monitoring
PZ-17	Downgradient	X		X	Assessment Monitoring
PZ-18	Downgradient	X		X	Assessment Monitoring
PZ-19	Downgradient	X		X	Assessment Monitoring
PZ-23A	Downgradient	X		X	Assessment Monitoring
PZ-25	Downgradient	X	X	X	Assessment Monitoring
PZ-33	Downgradient	X		X	Assessment Monitoring
PZ-57	Downgradient	X		X	Assessment Monitoring

Notes:

1. X - indicates well sampled during event
2. Wells PZ-2D, PZ-25, and PZ-32 were re-sampled on October 11, 2022 for Total Dissolved Solids.
3. Well PZ-25 was re-sampled for mercury on October 11, 2022.
4. October 11, 2022 sampling was for re-samples for TDS and mercury due to the laboratory analyzed the samples outside of the TDS and mercury analytical method holding times.

**TABLE 4**  
**SUMMARY OF GROUNDWATER ELEVATIONS**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Well ID	Groundwater Zone Screened	Top of Casing Elevation (feet NAVD88) <sup>(1)</sup> (June 2020 Re-survey)	Depth to Water (feet below TOC) <sup>(2)</sup>	Groundwater Elevation (feet NAVD88) <sup>(3)</sup>	Depth to Water (feet below TOC) <sup>(2)</sup>	Groundwater Elevation (feet NAVD88) <sup>(3)</sup>
			8/23/2022	8/23/2022	2/13/2023	2/13/2023
MW-101	Overburden (Sand and Clay)	170.93	23.16	147.77	10.32	160.61
MW-102	Bedrock	170.93	32.70	138.23	23.68	147.25
MW-111	Bedrock	168.06	30.36	137.70	22.02	146.04
MW-113	Bedrock	174.61	36.97	137.64	28.04	146.57
MW-116	Bedrock	171.69	34.09	137.60	25.16	146.53
MW-120	Overburden (Clay)/Bedrock	193.79	Dry		46.15	147.64
PZ-1D	Bedrock	196.44	55.16	141.28	46.33	150.11
PZ-01R	Overburden (Clay)/Bedrock	191.87 <sup>(4)</sup>	54.09	137.78	45.47	146.40
PZ-1S	Overburden (Clay)	196.52	41.54	154.98	38.95	157.57
PZ-2D	Bedrock	178.51	38.62	139.89	28.38	150.13
PZ-02R	Overburden (Clay)/Bedrock	191.66 <sup>(4)</sup>	54.12	137.54	45.92	145.74
PZ-2S	Overburden (Sandy Clay)	178.61	38.69	139.92	28.53	150.08
PZ-3D	Bedrock	190.98	51.40	139.58	41.62	149.36
PZ-3S	Overburden (Sand/Clayey Sand)	191.12	49.15	141.97	39.65	151.47
PZ-4D	Bedrock	191.10	52.11	138.99	45.83	145.27
PZ-4S	Overburden (Sand/Clay)	191.20	30.75	160.45	23.18	168.02
PZ-6S	Overburden (Clay)	189.47	26.88	162.59	19.09	170.38
PZ-7D	Bedrock	173.08	35.95	137.13	26.90	146.18
PZ-7S	Overburden (Clay)	173.10	34.87	138.23	26.82	146.28
PZ-8D	Bedrock	170.35	32.75	137.60	24.74	145.61
PZ-8S	Overburden (Sand)	170.78	32.59	138.19	26.61	144.17
PZ-9D	Bedrock	166.16	28.74	137.42	20.81	145.35
PZ-9S	Overburden (Sand)/Bedrock	166.02	28.68	137.34	20.63	145.39
PZ-10S	Bedrock	175.63	38.35	137.28	29.94	145.69
PZ-12S	Bedrock	173.92	36.22	137.70	27.78	146.14
PZ-13S	Overburden (Clay)	173.22	35.06	138.16	26.24	146.98
PZ-14	Bedrock	183.46	45.87	137.59	38.54	144.92
PZ-15	Bedrock	170.37	33.60	136.77	24.87	145.50
PZ-16	Bedrock	173.92	36.63	137.29	28.62	145.30
PZ-17	Bedrock	172.91	35.56	137.35	26.43	146.48
PZ-18	Bedrock	170.11	32.68	137.43	24.22	145.89
PZ-19	Bedrock	172.05	34.47	137.58	25.88	146.17
PZ-20	Bedrock	173.44	35.79	137.65	27.08	146.36
PZ-21	Bedrock	179.84	41.31	138.53	33.09	146.75
PZ-22	Bedrock	187.69	48.88	138.81	40.83	146.86
PZ-23A	Bedrock	191.85	52.95	138.90	47.02	144.83
PZ-24A	Bedrock	194.97	56.59	138.38	50.28	144.69
PZ-25	Bedrock	171.14	32.91	138.23	23.87	147.27
PZ-27	Bedrock	164.58	27.31	137.27	19.22	145.36
PZ-28	Bedrock	165.96	28.57	137.39	20.15	145.81
PZ-29	Bedrock	173.18	35.41	137.77	26.94	146.24
PZ-31	Bedrock	182.96	41.76	141.20	34.72	148.24
PZ-32	Bedrock	180.75	40.70	140.05	30.34	150.41
PZ-33	Bedrock	189.61	51.68	137.93	44.36	145.25
PZ-57 <sup>(4)</sup>	Bedrock	169.35	32.02	137.33	23.42	145.93

Notes:

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

Elevations are from June 15, 2020 re-survey of the monitoring wells and piezometers by McKim & Creed, Inc.

(2) TOC - Top of Casing

(3) Groundwater elevations for 2022-2023 are calculated using TOC elevations from the June 15, 2020 re-survey.

(4) Coordinates and elevations for piezometers PZ-01R and PZ-02R are from E&CS Civil Field Services March 2, 2016.

PZ-01R and PZ-02R were not re-surveyed in June 2020 as the piezometers were not accessible due to construction activities.

(5) Well PZ-57 construction was completed on November 4, 2021 and was surveyed December 10, 2021 by McKim & Creed, Inc.

Groundwater elevations of wells and piezometers screened in the bedrock were used to generate potentiometric contours on the potentiometric maps.

**TABLE 5**  
**GROUNDWATER FLOW VELOCITY CALCULATIONS**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Potentiometric Map Date	Water-Bearing Zone	Location	Groundwater Elevations in Well Pairs (h <sub>1</sub> , h <sub>2</sub> ) (feet)		Change in Elevation (Δh) (feet)	Distance Between Location 1 and 2 Measured Along Flow Path (L) (feet)	Hydraulic Gradient (i) (feet/feet)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n <sub>e</sub> )	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
August 2022	Limestone	PZ-1D to PZ-01R	141.28	137.78	3.50	2094	0.002	3.04	0.20	0.025	9.13
August 2022	Limestone	PZ-4D to PZ-19	138.99	137.58	1.41	2056	0.001	3.04	0.20	0.010	3.65
February 2023	Limestone	PZ-1D to PZ-01R	150.11	146.40	3.71	2224	0.002	3.04	0.20	0.025	9.13
February 2023	Limestone	PZ-22 to PZ-23A	146.86	144.83	2.03	800	0.0025	3.04	0.20	0.039	14.24
February 2023	Limestone	PZ-25 to PZ-28	147.27	145.81	1.46	1750	0.001	3.04	0.20	0.013	4.75

Notes:

1. In-situ hydraulic conductivity (slug) tests in the bedrock at the Site ranged from 1.08 to 5.81 feet/day with an average of 3.04 feet/day.
2. Effective porosity of 20% was selected for Ocala Limestone from Hydrology and Model Evaluation of the Principal Artesian Aquifer, Dougherty Plain, Southwest Georgia: Georgia Geologic Survey Bulletin 97 (Hayes, L.R., Maslia, M.L., Meeks, W.C., 1983)
3. Flow paths are illustrated on Figures 3 and 4 of this report.
4. Groundwater flow velocity equation:  $V = (K * i) / n_e$



**TABLE 6**  
**ANALYTICAL DATA SUMMARY APPENDIX III - AUGUST 2022 AND FEBRUARY 2023**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Well Name	Sample Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS
PZ-1D	8/24/2022	0.011 (J)	45.8	2.6	0.080 (J)	7.49	2.2	139
PZ-1D	2/14/2023	0.011 (J)	56.2	3.0	0.063 (J)	7.43	1.6	200
PZ-2D	8/24/2022	0.012 (J)	27.3	2.1	0.088 (J)	8.01	2.0	287
PZ-2D	10/11/2022	NA	NA	NA	NA	7.94	NA	75.0
PZ-2D	2/14/2023	0.010 (J)	30.2	2.6	0.076 (J)	7.97	2.6	140
PZ-7D	8/25/2022	0.20	107	4.1	0.056 (J)	6.98	47.3	325
PZ-7D	2/15/2023	0.21	114	4.3	0.050 (J)	6.92	49.9	335
PZ-14	8/25/2022	0.032 (J)	108	4.6	0.051 (J)	6.93	10.7	259
PZ-14	2/14/2023	0.023 (J)	103	4.5	< 0.050	7.04	10.0	300
PZ-15	8/25/2022	0.21	96.7	6.4	0.074 (J)	7.15	75.5	319
PZ-15	2/15/2023	0.21	98.1	6.2	0.064 (J)	7.09	75.7	329
PZ-16	8/25/2022	0.24	92.0	6.3	0.058 (J)	7.14	38.7	90.0
PZ-16	2/15/2023	0.19	88.5	6.2	0.053 (J)	7.10	38.1	334
PZ-17	8/25/2022	0.19 (J)	99.5	3.9	0.078 (J)	7.05	62.7	321
PZ-17	2/16/2023	0.15	94.1	3.1	0.077 (J)	7.14	54.2	299
PZ-18	8/25/2022	0.39	141	4.6	0.052 (J)	6.76	96.3	446
PZ-18	2/15/2023	0.35	164	4.5	< 0.050	6.73	96.6	477
PZ-19	8/25/2022	0.58	156	4.6	0.086 (J)	6.67	84.4	528
PZ-19	2/15/2023	0.54	144	4.1	0.086 (J)	6.66	78.8	529
PZ-23A	8/25/2022	0.17 (J)	145	3.2	0.074 (J)	6.76	45.6	437
PZ-23A	2/14/2023	0.13	139	3.8	0.084 (J)	6.75	35.1	414
PZ-25	8/24/2022	0.19	87.6	1.8	0.15	7.10	35.7	286
PZ-25	10/11/2022	NA	NA	NA	NA	7.13	NA	267
PZ-25	2/15/2023	0.17	86.9	1.8	0.16	7.02	37.1	264
PZ-31	8/24/2022	< 0.0086	95.2	3.0	0.069 (J)	7.04	0.56 (J)	261
PZ-31	2/14/2023	< 0.0086	99.9	3.3	0.059 (J)	7.09	0.89 (J)	257
PZ-32	8/24/2022	0.022 (J)	67.1	2.7	0.058 (J)	7.34	1.7	172
PZ-32	10/11/2022	NA	NA	NA	NA	7.37	NA	173
PZ-32	2/14/2023	0.012 (J)	69.3	2.7	< 0.050	7.36	2.0	177
PZ-33	8/24/2022	0.32	96.5	1.8	0.092 (J)	7.10	34.7	265
PZ-33	2/16/2023	0.31	92.2	2.3	0.082 (J)	7.13	36.0	293
PZ-57	8/26/2022	0.18	95.5	2.4	0.083 (J)	7.09	87.2	358
PZ-57	2/16/2023	0.16	91.6	2.2	0.077 (J)	7.06	77.7	421

Notes:

1. Results for metals and anions are reported in milligrams per liter (mg/L). Results for pH are reported in standard units (su).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL).
3. (J) indicates the constituent was detected between the analytical method detection limit and laboratory reporting limit.  
The value followed by (J) is qualified by the laboratory as estimated.
4. TDS indicates total dissolved solids.
5. NA indicates constituent was not analyzed.
6. October 11, 2022 data are re-sample results for TDS.

**TABLE 7**  
**ANALYTICAL DATA SUMMARY APPENDIX IV - AUGUST 2022 AND FEBRUARY 2023**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Well Name	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium	Selenium	Thallium
PZ-1D	8/24/2022	< 0.00078	< 0.0022	0.015	< 0.000054	< 0.00011	0.0025 (J)	< 0.00039	0.080 (J)	< 0.00089	< 0.00073	< 0.00013	0.00088 (J)	0.196 (U)	< 0.0014	< 0.00018
PZ-1D	2/14/2023	< 0.00078	< 0.0022	0.020	< 0.000054	< 0.00011	0.0015 (J)	< 0.00039	0.063 (J)	< 0.00089	< 0.00073	< 0.00013	0.0013 (J)	0.319 (U)	< 0.0014	< 0.00018
PZ-2D	8/24/2022	0.0011 (J)	< 0.0022	0.010	< 0.000054	< 0.00011	0.0066	< 0.00039	0.088 (J)	< 0.00089	0.0012 (J)	0.00013 (J)	< 0.00074	0.0268 (U)	< 0.0014	< 0.00018
PZ-2D	2/14/2023	0.0015 (J)	< 0.0022	0.0055	< 0.000054	< 0.00011	0.0041 (J)	< 0.00039	0.076 (J)	< 0.00089	0.0010 (J)	< 0.00013	< 0.00074	0.486 (U)	< 0.0014	< 0.00018
PZ-7D	8/25/2022	< 0.00078	< 0.0022	0.0058	< 0.000054	< 0.00011	0.0024 (J)	< 0.00039	0.056 (J)	< 0.00089	0.0030 (J)	< 0.00013	< 0.00074	0.771 (U)	0.0017 (J)	< 0.00018
PZ-7D	2/15/2023	< 0.00078	< 0.0022	0.0060	< 0.000054	< 0.00011	0.0034 (J)	< 0.00039	0.050 (J)	< 0.00089	0.0037 (J)	< 0.00013	< 0.00074	0.496 (U)	0.0017 (J)	< 0.00018
PZ-14	8/25/2022	< 0.00078	< 0.0022	0.011	< 0.000054	< 0.00011	0.0014 (J)	< 0.00039	0.051 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.453 (U)	< 0.0014	< 0.00018
PZ-14	2/14/2023	< 0.00078	< 0.0022	0.014	< 0.000054	< 0.00011	0.0018 (J)	< 0.00039	< 0.050	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.0857 (U)	< 0.0014	< 0.00018
PZ-15	8/25/2022	< 0.00078	< 0.0022	0.057	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.074 (J)	< 0.00089	0.0012 (J)	< 0.00013	< 0.00074	1.05	< 0.0014	< 0.00018
PZ-15	2/15/2023	< 0.00078	< 0.0022	0.048	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.064 (J)	< 0.00089	0.0010 (J)	< 0.00013	< 0.00074	0.875 (U)	< 0.0014	< 0.00018
PZ-16	8/25/2022	< 0.00078	< 0.0022	0.035	< 0.000054	< 0.00011	0.0012 (J)	< 0.00039	0.058 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.728 (U)	< 0.0014	< 0.00018
PZ-16	2/15/2023	< 0.00078	< 0.0022	0.033	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.053 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.137 (U)	< 0.0014	< 0.00018
PZ-17	8/25/2022	< 0.00078	< 0.0022	0.061	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.078 (J)	< 0.00089	0.0018 (J)	< 0.00013	< 0.00074	0.980 (U)	< 0.0014	0.00037 (J)
PZ-17	2/16/2023	< 0.00078	< 0.0022	0.059	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.077 (J)	< 0.00089	0.0014 (J)	< 0.00013	< 0.00074	0.129 (U)	< 0.0014	0.00038 (J)
PZ-18	8/25/2022	< 0.00078	< 0.0022	0.026	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.052 (J)	< 0.00089	0.0033 (J)	< 0.00013	< 0.00074	0.0434 (U)	< 0.0014	< 0.00018
PZ-18	2/15/2023	< 0.00078	< 0.0022	0.026	< 0.000054	< 0.00011	< 0.0011	< 0.00039	< 0.050	< 0.00089	0.0027 (J)	< 0.00013	< 0.00074	0.828	< 0.0014	< 0.00018
PZ-19	8/25/2022	< 0.00078	< 0.0022	0.046	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.086 (J)	< 0.00089	0.012 (J)	< 0.00013	0.0017 (J)	0.937	0.0019 (J)	0.00053 (J)
PZ-19	2/15/2023	< 0.00078	< 0.0022	0.051	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.086 (J)	< 0.00089	0.011 (J)	< 0.00013	0.0016 (J)	0.652 (U)	0.0036 (J)	0.00051 (J)
PZ-23A	8/25/2022	< 0.00078	< 0.0022	0.036	< 0.000054	< 0.00011	0.0022 (J)	< 0.00039	0.074 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.396 (U)	0.0023 (J)	< 0.00018
PZ-23A	2/14/2023	< 0.00078	< 0.0022	0.033	< 0.000054	< 0.00011	0.0024 (J)	< 0.00039	0.084 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.521 (U)	0.0015 (J)	< 0.00018
PZ-25	8/24/2022	< 0.00078	< 0.0022	0.10	< 0.000054	< 0.00011	< 0.0011	0.0016 (J)	0.15	< 0.00089	0.0073 (J)	0.00018 (J)	< 0.00074	0.764 (U)	< 0.0014	0.00048 (J)
PZ-25	10/11/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.00013	NA	NA	NA	NA
PZ-25	2/15/2023	< 0.00078	< 0.0022	0.10	< 0.000054	< 0.00011	< 0.0011	0.0012 (J)	0.16	< 0.00089	0.0057 (J)	< 0.00013	< 0.00074	0.484 (U)	< 0.0014	0.00045 (J)
PZ-31	8/24/2022	< 0.00078	< 0.0022	0.0063	< 0.000054	< 0.00011	0.0015 (J)	< 0.00039	0.069 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.781 (U)	< 0.0014	< 0.00018
PZ-31	2/14/2023	< 0.00078	< 0.0022	0.0071	< 0.000054	< 0.00011	0.0011 (J)	< 0.00039	0.059 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.102 (U)	< 0.0014	< 0.00018
PZ-32	8/24/2022	0.0010 (J)	< 0.0022	0.019	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.058 (J)	< 0.00089	< 0.00073	0.00014 (J)	< 0.00074	0.342 (U)	< 0.0014	< 0.00018
PZ-32	2/14/2023	< 0.00078	< 0.0022	0.014	< 0.000054	< 0.00011	< 0.0011	< 0.00039	< 0.050	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.151 (U)	< 0.0014	< 0.00018
PZ-33	8/24/2022	0.00082 (J)	< 0.0022	0.038	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.092 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.764 (U)	< 0.0014	< 0.00018
PZ-33	2/16/2023	< 0.00078	< 0.0022	0.040	< 0.000054	< 0.00011	< 0.0011	< 0.00039	0.082 (J)	< 0.00089	< 0.00073	< 0.00013	< 0.00074	0.765	< 0.0014	< 0.00018
PZ-57	8/26/2022	< 0.00078	< 0.0022	0.064	< 0.000054	< 0.00011	< 0.0011	0.0012 (J)	0.083 (J)	< 0.00089	0.0013 (J)	< 0.00013	< 0.00074	0.488 (U)	< 0.0014	< 0.00018
PZ-57	2/16/2023	< 0.00078	< 0.0022	0.063	< 0.000054	< 0.00011	< 0.0011	0.00051 (J)	0.077 (J)	< 0.00089	0.00082 (J)	< 0.00013	< 0.00074	0.193 (U)	< 0.0014	< 0.00018

Notes:

1. Results for metals are reported in milligrams per liter (mg/L).
2. < indicates the constituent was not detected above the analytical method detection limit.
3. (J) indicates the constituent was detected between the analytical method detection limit and laboratory reporting limit. Therefore, the value displayed (J) is qualified by the laboratory as an estimated number.
4. Radium units are in picocuries per liter (pCi/L). Radium data are a combination of radium isotopes 226 and 228.
5. U indicates the constituent was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value followed by U is qualified by the laboratory as estimated.
6. NA indicates constituent was not analyzed.
7. October 11, 2022 data are re-sample results for mercury in PZ-25.

**TABLE 8**  
**STATISTICAL METHOD SUMMARY**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available.
	Statistical Limits	Interwell statistical limits will be applied on a parameter basis, depending on the appropriateness of the method as determined by the Analysis of Variance.
	Prediction Limits	<p>Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable.</p> <p>Non-parametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.</p>
	Management of Non-Detects	<p>When data contain less than 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory.</p> <p>When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.</p>
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	No Statistical Testing	Statistical testing is not required for parameters containing 100% non-detects (US EPA Unified Guidance, 2009, Chapter 6).
	Verification Re-sample Plan	Optional 1-of-2 with minimum of 8 samples per well for interwell testing.
	Optional	<ul style="list-style-type: none"> <li>▪ Initial statistical exceedance warrants optional independent re-sampling within 90 days.</li> <li>▪ If re-sample passes, well/parameter is not a confirmed statistically significant increase (SSI).</li> <li>▪ If re-sample exceeds, well/parameter has a confirmed SSI.</li> <li>▪ If no re-sample is collected, the original result is deemed verified.</li> </ul>

**TABLE 9**  
**SUMMARY OF GROUNDWATER PROTECTION STANDARDS**  
**Georgia Power Company - Plant Mitchell**  
**Ash Ponds A, 1, and 2**  
**Putney, Georgia**

Constituent	Units	MCL	Federal CCR Rule Specified Limit <sup>(1)</sup>	Site-Specific Background August 2022	Site-Specific Background February 2023	GWPS <sup>(4)</sup> August 2022	GWPS <sup>(4)</sup> February 2023
Antimony	mg/L	0.006		0.0035	0.0035	0.006	0.006
Arsenic	mg/L	0.01		0.005	0.005	0.01	0.01
Barium	mg/L	2.0		0.0479	0.0463	2.0	2.0
Beryllium	mg/L	0.004		0.0005	0.0005	0.004	0.004
Cadmium	mg/L	0.005		0.0005	0.0005	0.005	0.005
Chromium	mg/L	0.1		0.00998	0.0093	0.1	0.1
Cobalt <sup>(2)</sup>	mg/L		0.006	0.005	0.005	0.006	0.006
Combined Radium	pCi/L	5.0		1.662	1.611	5.0	5.0
Fluoride	mg/L	4.0		0.29	0.29	4.0	4.0
Lead <sup>(2) (3)</sup>	mg/L		0.015	0.001	0.001	0.015	0.015
Lithium <sup>(2)</sup>	mg/L		0.04	0.03	0.03	0.04	0.04
Mercury	mg/L	0.002		0.0002	0.0002	0.002	0.002
Molybdenum <sup>(2)</sup>	mg/L		0.1	0.01	0.01	0.1	0.1
Selenium	mg/L	0.05		0.005	0.005	0.05	0.05
Thallium	mg/L	0.002		0.001	0.001	0.002	0.002

Notes:

mg/L - milligrams per liter

pCi/L - picoCuries per liter

CCR - coal combustion residuals

MCL - Maximum Contaminant Level

GWPS - Groundwater Protection Standard

Combined Radium data are a combination of radium isotopes 226 and 228.

(1) Federal CCR Rule 40 CFR § 257.95 (h) Amendment July 30, 2018 lists levels for cobalt, lead, lithium, and molybdenum.

(2) Constituent without an established MCL.

(3) Currently, there is no MCL established for lead. The value listed is the established US EPA Action Level for lead in drinking water.

(4) Effective on February 22, 2022, the Georgia EPD has incorporated the updated GWPS into the current GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). As described in the updated Rules, the GWPS is:

(i) the MCL

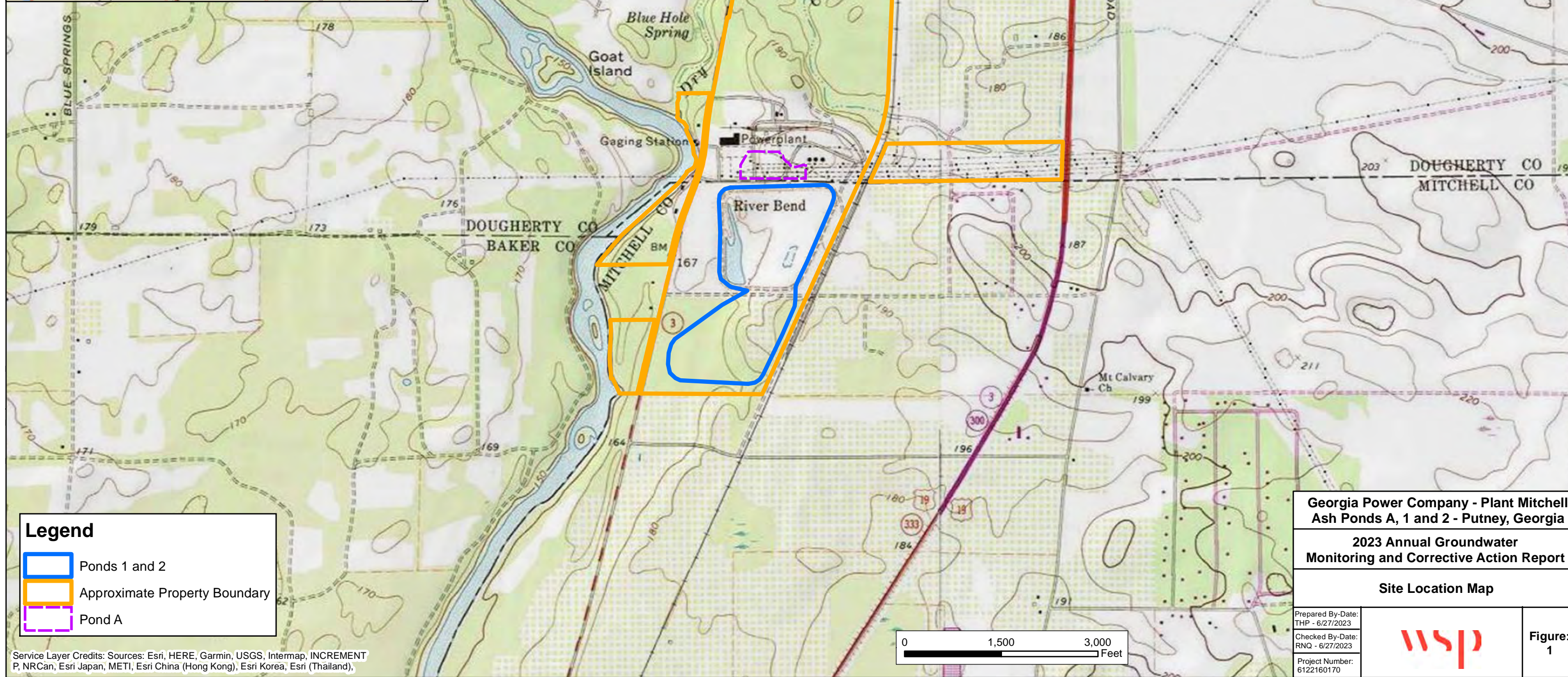
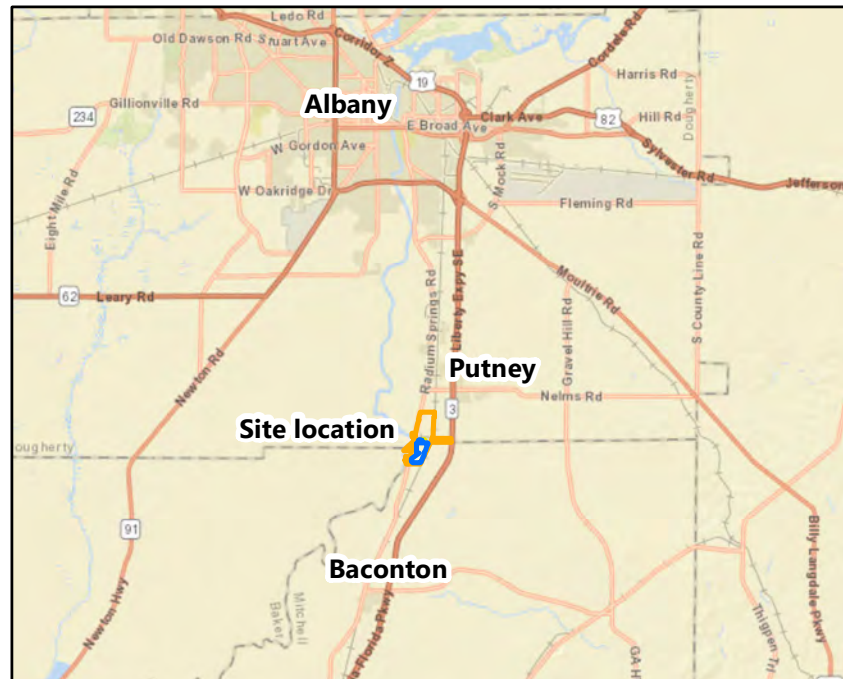
(ii) where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)

(iii) the respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule specified GWPS



# FIGURES





**Legend**

- Ponds 1 and 2
- Approximate Property Boundary
- Pond A

**Georgia Power Company - Plant Mitchell  
Ash Ponds A, 1 and 2 - Putney, Georgia**

**2023 Annual Groundwater  
Monitoring and Corrective Action Report**

**Site Location Map**

Prepared By-Date:  
THP - 6/27/2023

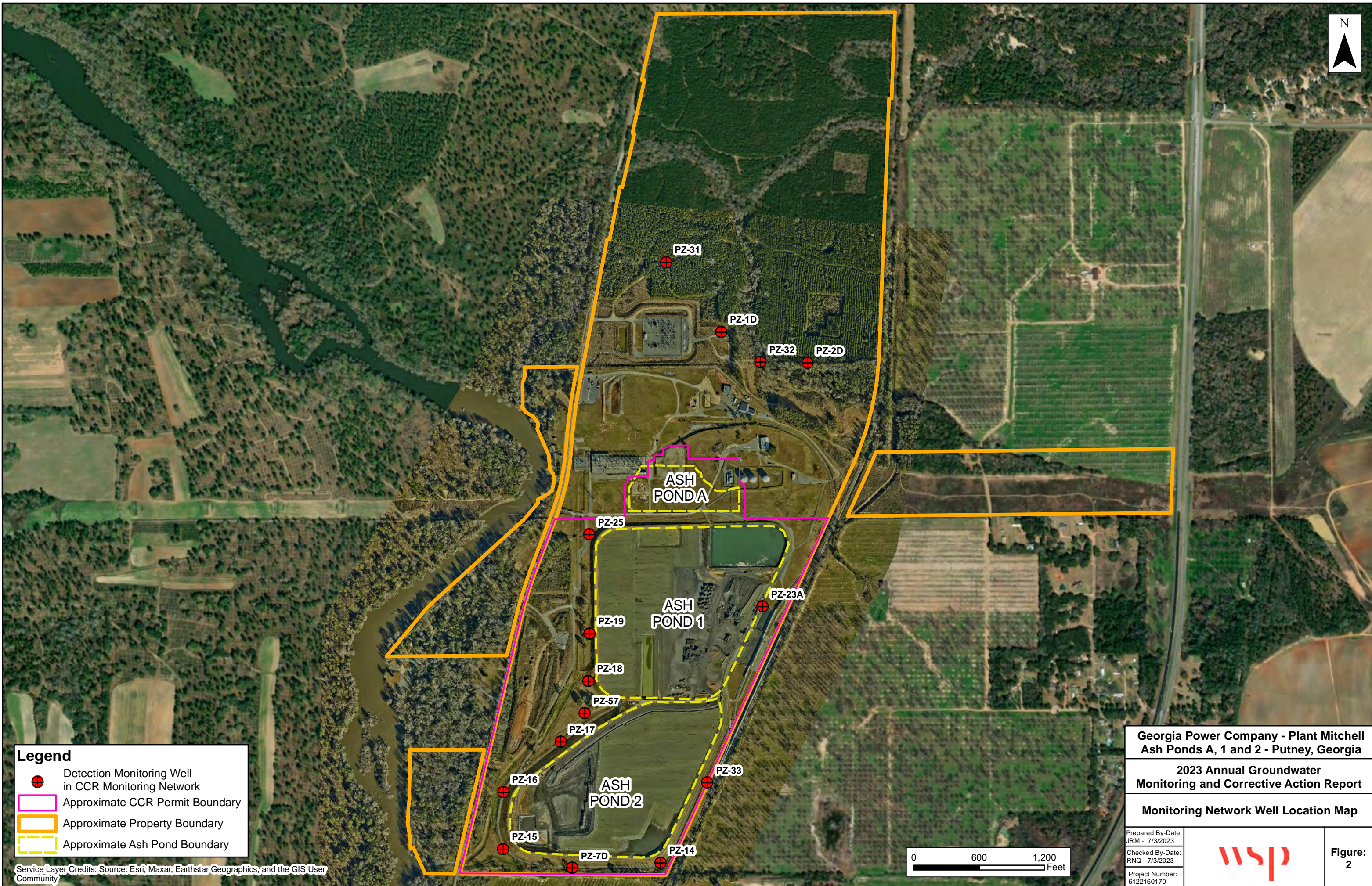
Checked By-Date:  
RNQ - 6/27/2023

Project Number:  
6122160170



**Figure:  
1**

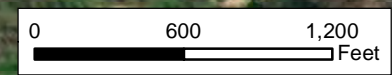
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),



**Legend**

- Detection Monitoring Well in CCR Monitoring Network
- Approximate CCR Permit Boundary
- Approximate Property Boundary
- Approximate Ash Pond Boundary

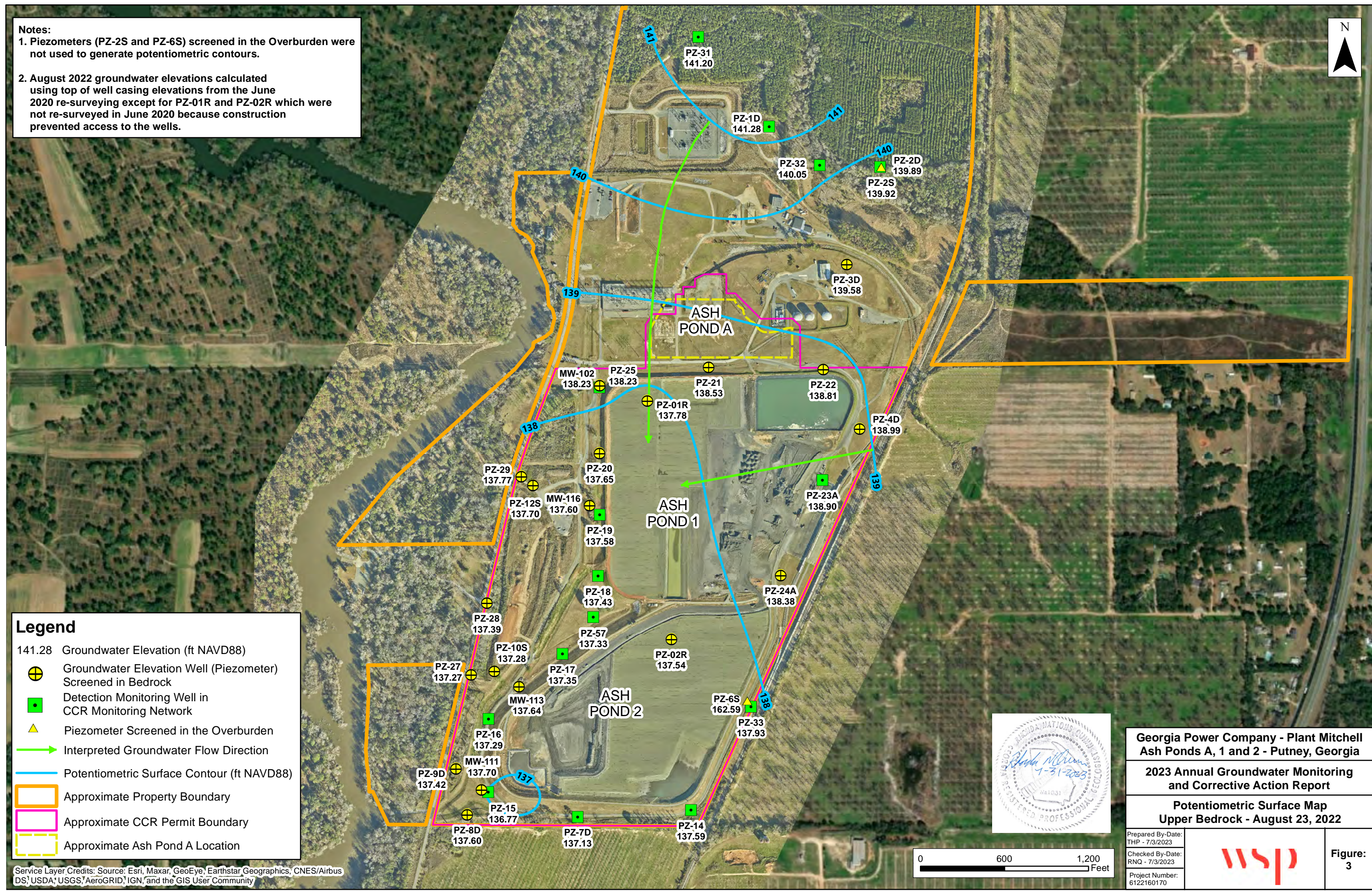
Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



<b>Georgia Power Company - Plant Mitchell</b>	
<b>Ash Ponds A, 1 and 2 - Putney, Georgia</b>	
<b>2023 Annual Groundwater Monitoring and Corrective Action Report</b>	
<b>Monitoring Network Well Location Map</b>	
Prepared By-Date: JRM - 7/3/2023	
Checked By-Date: RNQ - 7/3/2023	
Project Number: 6122160170	
<b>Figure: 2</b>	

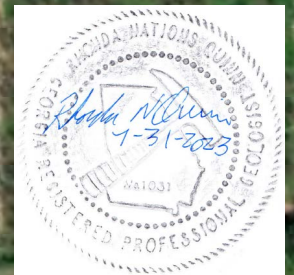
**Notes:**

1. Piezometers (PZ-2S and PZ-6S) screened in the Overburden were not used to generate potentiometric contours.
2. August 2022 groundwater elevations calculated using top of well casing elevations from the June 2020 re-surveying except for PZ-01R and PZ-02R which were not re-surveyed in June 2020 because construction prevented access to the wells.



**Legend**

- 141.28 Groundwater Elevation (ft NAVD88)
- ⊕ Groundwater Elevation Well (Piezometer) Screened in Bedrock
- Detection Monitoring Well in CCR Monitoring Network
- ▲ Piezometer Screened in the Overburden
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (ft NAVD88)
- Approximate Property Boundary
- Approximate CCR Permit Boundary
- Approximate Ash Pond A Location



**Georgia Power Company - Plant Mitchell  
Ash Ponds A, 1 and 2 - Putney, Georgia**

**2023 Annual Groundwater Monitoring  
and Corrective Action Report**

**Potentiometric Surface Map  
Upper Bedrock - August 23, 2022**

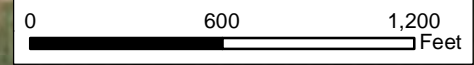
Prepared By-Date:  
THP - 7/3/2023

Checked By-Date:  
RNQ - 7/3/2023

Project Number:  
6122160170



Figure:  
3

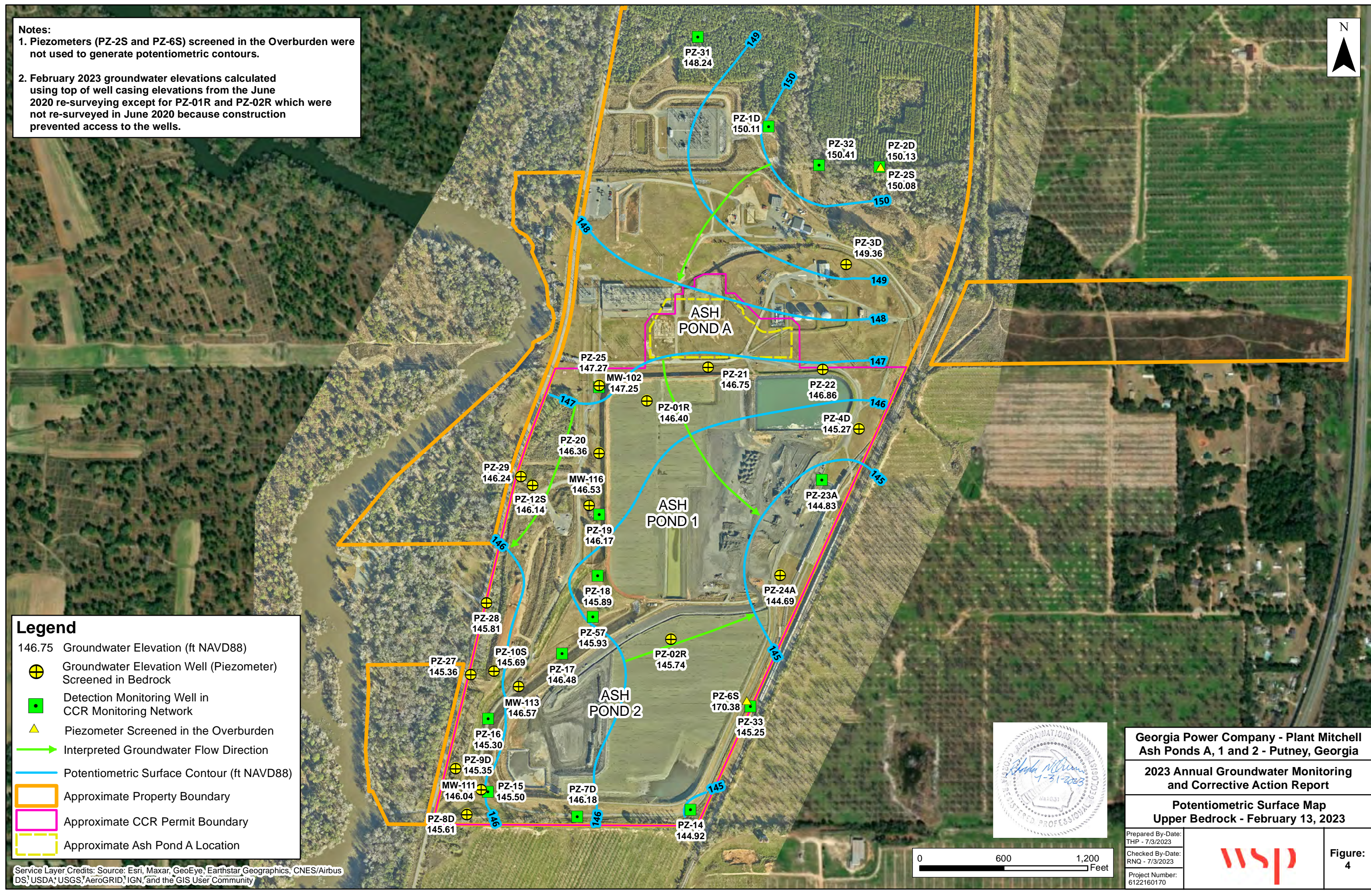


Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



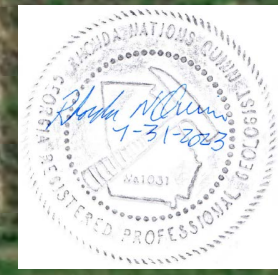
**Notes:**

1. Piezometers (PZ-2S and PZ-6S) screened in the Overburden were not used to generate potentiometric contours.
2. February 2023 groundwater elevations calculated using top of well casing elevations from the June 2020 re-surveying except for PZ-01R and PZ-02R which were not re-surveyed in June 2020 because construction prevented access to the wells.



**Legend**

- 146.75 Groundwater Elevation (ft NAVD88)
- ⊕ Groundwater Elevation Well (Piezometer) Screened in Bedrock
- Detection Monitoring Well in CCR Monitoring Network
- ▲ Piezometer Screened in the Overburden
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (ft NAVD88)
- Approximate Property Boundary
- Approximate CCR Permit Boundary
- Approximate Ash Pond A Location



**Georgia Power Company - Plant Mitchell  
Ash Ponds A, 1 and 2 - Putney, Georgia**

**2023 Annual Groundwater Monitoring  
and Corrective Action Report**

**Potentiometric Surface Map  
Upper Bedrock - February 13, 2023**

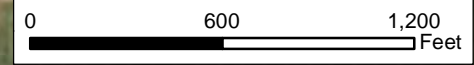
Prepared By-Date:  
THP - 7/3/2023

Checked By-Date:  
RNQ - 7/3/2023

Project Number:  
6122160170



Figure:  
4



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



# **APPENDIX A**

## **WELL REPAIRS AND INSPECTIONS**





# APPENDIX A

## WELL REPAIRS





**MEMORANDUM**

Date: November 18, 2022  
To: Kristen Jurinko – Georgia Power  
CC: Ben Hodges  
From: WSP USA Environment & Infrastructure, Inc.  
Subject: Plant Mitchell Ash Ponds A, 1, and 2 - Well Maintenance and Repair Documentation  
Georgia Power Company

---

WSP USA Environment & Infrastructure, Inc.(WSP) (formerly Wood Environment & Infrastructure Solutions, Inc.) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at PLANT MITCHELL during the semi-annual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

<b>Georgia Power Site/Unit</b>	<b>Date Performed</b>	<b>Well ID</b>	<b>Maintenance/ Repair Performed</b>
Mitchell Ash Ponds A, 1, & 2	October 2022	MW-103, MW-111, MW-120, PZ-1D, PZ-1S, PZ-3D, PZ-3S, PZ-4D, PZ-4S, PZ-7D, PZ-22, PZ-25, PZ-28, PZ-31, PZ-33	Weeds and grass had grown up around the wells and piezometers. The site was mowed in October 2022 to remove the weeds and grass.
Mitchell Ash Ponds A, 1, & 2	August 26, 2022	MW-102	Well was re-developed to remove suspended sediment from piezometer.
Mitchell Ash Ponds A, 1, & 2	October 2022	MW-8D, MW-8S, MW-9D, MW-9S, MW-10S	Poor access to piezometers due to heavy vegetation. The site was mowed in October 2022.
Mitchell Ash Ponds A, 1, & 2	August 23, 2022	PZ-16	Removed ant mound from around well pad. Replaced well lock.
Mitchell Ash Ponds A, 1, & 2	August 23, 2022	PZ-19	Removed wasp nest from well cover.
Mitchell Ash Ponds A, 1, & 2	August 23, 2022	PZ-22	Removed ant mound from around well pad.

<b>Georgia Power Site/Unit</b>	<b>Date Performed</b>	<b>Well ID</b>	<b>Maintenance/ Repair Performed</b>
Mitchell Ash Ponds A, 1, & 2		PZ-42	Soil loss around PZ-42 due to elevated riverbank scour.
Mitchell Ash Ponds A, 1, & 2		PZ-51	Concrete pad is loose. Repair will be completed.
Mitchell Ash Ponds A, 1, & 2		MW-113	Well pad is deteriorating. Repair will be completed.

# Well Redevelopment

## WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:

Identify Measuring Point (MP): TOC  
(e.g. Top of Casing)

page 1 of 1

Well ID: MW-102  
Field Sampling Personnel: EVER GUILLEN

Depth to Screen below MP: 39 of screen 49 of screen  
Top Bottom  
Pump Intake at (ft. below MP): 42.0  
Purging Device (Pump Type): MONSOON

Well Depth, (Ft.) 49.24  
Depth To Water (Ft.) 31.49  
Water Column (Ft.) 17.75  
Well Volume (gal) 9.02

Date	Time	Depth to Water Below MP ft	Purge Rate mL/min	pH	Spec Cond.	Turbidity	DO Flow cell	Temp.	Redox Potential	Cum. Volume Purged	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
8-26-22	1025	31.49	1000	6.92	502.37	>1000	0.74	23.77	-141.3	0.25	—	—	BLACK SEDIMENT & WATER COLOR
	1029	32.17		6.99	515.52	>1000	1.13	23.57	-117.4	1.0	—	—	
	1033	33.61		7.02	519.35	>1000	1.01	23.34	-80.5	2.0	—	—	
	1037	33.72		6.95	513.13	>1000	0.16	24.03	-88.5	3.0	—	—	
	1041	33.48		6.97	517.59	>1000	0.58	23.93	-79.3	4.0	—	—	
	1045	33.39		7.07	520.15	>1000	1.91	24.16	-79.7	5.0	—	—	
	1049	33.52		6.96	523.88	>1000	1.26	24.24	-84.0	6.0	—	—	
	1057	33.41		6.97	519.50	>1000	0.56	24.45	-77.6	8.0	—	—	
	1105	33.63		6.95	504.28	>1000	0.16	23.97	-82.7	10.0	—	—	
	1113	33.38		7.03	505.93	>1000	0.54	23.37	-39.0	12.0	—	—	
	1121	33.47		7.00	521.61	>1000	0.33	23.43	-40.9	14.0	—	—	
	1129	33.58		6.96	512.13	>1000	0.15	23.71	-80.1	16.0	—	—	
	1137	33.32		6.97	520.17	>1000	0.06	23.53	-83.9	18.0	—	—	
	1145	33.66		6.96	511.12	>1000	0.03	22.87	-77.1	20.0	—	—	
	1153	33.42		6.97	509.32	>1000	0.0	22.68	-74.5	22.0	—	—	GRAY-TANISH GRAY
	1201	33.49		7.01	522.70	>1000	1.16	23.03	-60.6	24.0	—	—	GRAYISH TAN
	1209	33.58		7.02	520.13	>1000	1.18	23.23	-53.4	26.0	—	—	) SANDY SILT SEDIMENT
	1217	33.42		6.98	541.71	>1000	0.07	23.70	-83.5	28.0	—	—	LAST SURGE
	1221	33.49		6.99	513.21	321	0.17	23.31	-40.2	29.0	—	—	NOT SURGED
	1226	33.31	400	7.02	517.16	92.2	0.14	23.38	-38.7	29.5	—	—	WATER CLEAR
	1231	33.07	400	7.00	518.32	26.7	0.11	23.27	-39.1	30.0	—	—	
	1236	32.88	400	7.01	519.17	13.2	0.09	23.33	-39.8	30.5	—	—	DTB=49.38
	1241	32.61	400	7.00	518.91	8.72	0.07	23.29	-39.3	31.0	—	—	DTW=31.37 AFTER REINSTALLED TRANSDUCER (1304)

Notes:

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

- ±0.1 for pH
- ±10 mV for redox
- ±3% for specific cond.
- ±10% for DO
- <10 NTUs for turbidity
- NA for temperature

Well Casing Volume (Gal):  
2" diameter well: Water column (ft.) x 0.163  
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.  
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.



**MEMORANDUM**

Date: May 28, 2023  
To: Kristen Jurinko – Georgia Power  
CC: Ben Hodges  
From: WSP USA Environment & Infrastructure, Inc.  
Subject: Plant Mitchell Ash Ponds A, 1, and 2 - Well Maintenance and Repair Documentation  
Georgia Power Company

---

WSP USA Environment & Infrastructure, Inc.(WSP) (formerly Wood Environment & Infrastructure Solutions, Inc.) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at PLANT MITCHELL during the semi-annual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

<b>Georgia Power Site/Unit</b>	<b>Date Performed</b>	<b>Well ID</b>	<b>Maintenance/ Repair Performed</b>
Mitchell Ash Ponds A, 1, & 2	2/16/2023	PZ-3S, PZ-4S, PZ-16, PZ-18, PZ-19, PZ-22, PZ-25, PZ-33	Ant mounds removed from around well pads.
Mitchell Ash Ponds A, 1, & 2	2/13/2023	MW-113	February 2023 inspection indicates pad in good conditions
Mitchell Ash Ponds A, 1, & 2	2/13/2023	PZ-50	Well is flush-mounted and well pad has large crack across the top of the pad. Repair will be completed.
Mitchell Ash Ponds A, 1, & 2	2/13/2023	PZ-51, PZ-52	Well pad was covered with debris. Cleaned pad.



# **APPENDIX A**

## **WELL INSPECTIONS**

### **AUGUST 2022 AND FEBRUARY 2023**





# **AUGUST 2022 WELL INSPECTIONS**



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-101  
 Date 8/23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-102  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Well will be redeveloped on 8/26/22

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-103  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Grass needs cutting

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-111  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible? <i>WELL ACCESS OVERGROWN</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-113  
 Date 8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)? <i>2'x2' Pad IS DETERIORATING</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Concrete well pad deteriorating

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-116  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel R. Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-119  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Small amount of mud in bottom 10" of well

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-120  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Weeds need cutting around well

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-1A  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the casing have a functioning weep hole?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel R Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-1D  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Weeds need cutting back

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-01B  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the casing have a functioning weep hole?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel R Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-15  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Weeds need cutting back

Signature and Seal of PE/PG responsible for inspection

Daniel R Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-2A  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the casing have a functioning weep hole?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-2D  
 Date \_\_\_\_\_

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-02R  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the casing have a functioning weep hole?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-25  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-3D  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Grass needs cutting around well

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-35  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Grass needs cutting around well. Mud at bottom of well (oil')

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-4D  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Weeds need cutting back

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-45  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>Z DH</i>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:  
Weeds need cutting back

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-65  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-7D  
 Date 8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

HEAVY VEGETATION GROWTH AROUND THE WELL PAD

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-7s  
 Date 8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-8D  
 Date 8-23-22

	Yes	No	n/a
<u>1 Location/Identification</u>			
a Is the well visible and accessible? <i>Pool Access</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>2 Protective Casing</u>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>3 Surface pad</u>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>4 Internal casing</u>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>5 Sampling: Groundwater Wells Only:</u>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-8s  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible? <i>POOR ACCESS</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-9D  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible? <i>POOR ACCESS</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion; animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-98  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible? <i>poor Access</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

### Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-105  
 Date 8-23-22

	Yes	No	n/a
<u>1 Location/Identification</u>			
a Is the well visible and accessible? <i>POOR ACCESS</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>2 Protective Casing</u>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>3 Surface pad</u>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>4 Internal casing</u>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>5 Sampling: Groundwater Wells Only:</u>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name	Plant Mitchell
Permit Number	N/A
Well ID	PZ-125
Date	8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-135  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

*Daniel L Howard*

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-14  
 Date 8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-15  
 Date 8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-16  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition? <span style="margin-left: 150px;"><b>REPLACED LOCK</b></span>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Ants around well pad. Replaced lock

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-17  
 Date 8-22-22

	Yes	No	n/a
<u>1 Location/Identification</u>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>2 Protective Casing</u>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>3 Surface pad</u>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>4 Internal casing</u>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>5 Sampling: Groundwater Wells Only:</u>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-10  
 Date 8-22-22

	Yes	No	n/a
<u>1 Location/Identification</u>			
a Is the well visible and accessible?	✓	_____	_____
b Is the well properly identified with the correct well ID?	✓	_____	_____
c Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
<u>2 Protective Casing</u>			
a Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b Is the casing free of degradation or deterioration?	✓	_____	_____
c Does the casing have a functioning weep hole?	✓	_____	_____
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e Is the well locked and is the lock in good condition?	✓	_____	_____
<u>3 Surface pad</u>			
a Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b Is the well pad sloped away from the protective casing?	✓	_____	_____
c Is the well pad in complete contact with the protective casing?	✓	_____	_____
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
<u>4 Internal casing</u>			
a Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d Is the survey point clearly marked on the inner casing?	✓	_____	_____
e Is the depth of the well consistent with the original well log?	✓	_____	_____
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
<u>5 Sampling: Groundwater Wells Only:</u>			
a Does well recharge adequately when purged?	✓	_____	_____
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____
7 Corrective actions as needed, by date:	_____	_____	_____

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-19  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Wasp in well cover. Removed wasp nest 8/23/22

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-20  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-21  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-22  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Ant mound around well pad + grass needs cutting

Signature and Seal of PE/PG responsible for inspection

Daniel Howard



## Groundwater Monitoring Well Integrity Form

Site Name	Plant Mitchell
Permit Number	N/A
Well ID	P2-23A
Date	8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-24A  
 Date B-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?			✓
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			✓
c Does the well require redevelopment (low flow, turbid)?			✓
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-25  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Grass needs cutting

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-27  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?			✓
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			✓
c Does the well require redevelopment (low flow, turbid)?			✓
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-28  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Weeds need cutting back

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-29  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-31  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Gross needs cutting

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-32  
 Date 8/22/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-33  
 Date 8-23-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			
<u>Weeds need cutting back</u>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-42  
 Date 8/23/22

	Yes	No	n/a
<u>1 Location/Identification</u>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>2 Protective Casing</u>			
a Is the protective casing free from apparent damage and able to be secured? *	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>3 Surface pad</u>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>4 Internal casing</u>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>5 Sampling: Groundwater Wells Only:</u>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Area around well is getting washed out from rain water draining

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

to the river. Well is getting harder to access. I think the protective casing and well pad are slowly sinking down around the riser pipe \* Hard to open and close protective casing lid.

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-46  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>Flush mount</i>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-50  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Flushmount
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-51  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>Flash mount</i>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			
<u>Concrete pad is loose</u>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-52  
 Date 8/23/22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Flush mount
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-57  
 Date 8-22-22

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# **FEBRUARY 2023 WELL INSPECTIONS**





## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-101  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-102  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-103  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-111  
 Date 2-14-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-113  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-116  
 Date 2-14-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-119  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID MW-120  
 Date 2/13/23

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				

Signature and Seal of PE/PG responsible for inspection

Daniel Howard



# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-1A  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-1D  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-15  
 Date 2/13/23

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
<hr/>				

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-01R  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-2A  
 Date 2/18/23  
14 DH

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Corrective actions as needed, by date:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-2D  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-02R  
 Date 2/13/23  
14<sup>0H</sup>

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-25  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard



# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-3D  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

*Daniel Howard*

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-35  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date: 2/16/23  
Ant mound killer was placed on ant mound around well pad

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-4D  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-45  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date: 2/16/23  
Ant mound killer was placed on ant mound around well pad

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-6s  
 Date 2-13-23

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	✓		
b	Is the well properly identified with the correct well ID?	✓		
c	Is the well in a high traffic area and does the well require protection from traffic?		✓	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	✓		
b	Is the casing free of degradation or deterioration?	✓		
c	Does the casing have a functioning weep hole?	✓		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e	Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	✓		
b	Is the well pad sloped away from the protective casing?	✓		
c	Is the well pad in complete contact with the protective casing?	✓		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e	Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	✓		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c	Is the well properly vented for equilibration of air pressure?	✓		
d	Is the survey point clearly marked on the inner casing?	✓		
e	Is the depth of the well consistent with the original well log?	✓		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?			✓
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			✓
c	Does the well require redevelopment (low flow, turbid)?			✓
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		
7	Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-7D  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-7s  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-8D  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?			✓
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			✓
c Does the well require redevelopment (low flow, turbid)?			✓
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen



# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-85  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-9D  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-9s  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-105  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

*Ever Guillen*

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-125  
 Date 2-13-23

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-135  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-14  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-15  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?	<del>✓</del>	✓	
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	✓		
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen



# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-16  
 Date 2-13-26

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Treated ants at well pad

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-17  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-1B  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?	<del>✓</del>	✓	
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	✓		

7 Corrective actions as needed, by date:  
Treated ants at well pad

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-19  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date: 2/16/23

Ant mound killer was placed on ant mound around well pad

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-20  
 Date 2/13/23

		Yes	No	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-21  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-22  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date: 2/16/23

Ant mound killer was placed on ant mound around well pad

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-23A  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard



## Groundwater Monitoring Well Integrity Form

Site Name	Plant Mitchell
Permit Number	N/A
Well ID	P2-24A
Date	2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	/		
b Is the well properly identified with the correct well ID?	/		
c Is the well in a high traffic area and does the well require protection from traffic?		/	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	/		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	/		
b Is the casing free of degradation or deterioration?	/		
c Does the casing have a functioning weep hole?	/		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	/		
e Is the well locked and is the lock in good condition?	/		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	/		
b Is the well pad sloped away from the protective casing?	/		
c Is the well pad in complete contact with the protective casing?	/		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	/		
e Is the pad surface clean (not covered with sediment or debris)?	/		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	/		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	/		
c Is the well properly vented for equilibration of air pressure?	/		
d Is the survey point clearly marked on the inner casing?	/		
e Is the depth of the well consistent with the original well log?	/		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	/		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?			/
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			/
c Does the well require redevelopment (low flow, turbid)?			/
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	/		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-25  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date: 2/16/23  
Ant mound killer was placed on ant mound around well pad

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-27  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-20  
 Date 2-13-23

	Yes	No	n/a
<u>1 Location/Identification</u>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>2 Protective Casing</u>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>3 Surface pad</u>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>4 Internal casing</u>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>5 Sampling: Groundwater Wells Only:</u>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-29  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-31  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-32  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-33  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

TREATED ANTS AT WELL PAD

Signature and Seal of PE/PG responsible for inspection

Ever Guillen



## Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-42  
 Date 2/13/23

**Well is underwater at river!**

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	_____	_____	_____
b Is the well properly identified with the correct well ID?	_____	_____	_____
c Is the well in a high traffic area and does the well require protection from traffic?	_____	_____	_____
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	_____	_____	_____
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	_____	_____	_____
b Is the casing free of degradation or deterioration?	_____	_____	_____
c Does the casing have a functioning weep hole?	_____	_____	_____
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	_____	_____	_____
e Is the well locked and is the lock in good condition?	_____	_____	_____
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	_____	_____	_____
b Is the well pad sloped away from the protective casing?	_____	_____	_____
c Is the well pad in complete contact with the protective casing?	_____	_____	_____
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	_____	_____	_____
e Is the pad surface clean (not covered with sediment or debris)?	_____	_____	_____
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	_____	_____	_____
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	_____	_____	_____
c Is the well properly vented for equilibration of air pressure?	_____	_____	_____
d Is the survey point clearly marked on the inner casing?	_____	_____	_____
e Is the depth of the well consistent with the original well log?	_____	_____	_____
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	_____	_____	_____
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	_____	_____	_____
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	_____	_____	_____
c Does the well require redevelopment (low flow, turbid)?	_____	_____	_____
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
_____	_____	_____	_____
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-46  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-47  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-50  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Well pad has large crack across the top, Flash mount well pad.  
Could have been hit during mowing (picture)

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-51  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:  
Well pad was covered with debris

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID PZ-52  
 Date 2/13/23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:  
Well pad was covered with debris

Signature and Seal of PE/PG responsible for inspection

David Howard

# Groundwater Monitoring Well Integrity Form

Site Name Plant Mitchell  
 Permit Number N/A  
 Well ID P2-57  
 Date 2-13-23

	Yes	No	n/a
<b>1 Location/Identification</b>			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
<b>2 Protective Casing</b>			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
<b>3 Surface pad</b>			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
<b>4 Internal casing</b>			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
a Does well recharge adequately when purged?	✓		XOH
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?		✓	
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Ever Guillen



# **APPENDIX B**

## **LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS AUGUST 2022 AND FEBRUARY 2023**





Well ID	Sample Date	Purge Volume (liter)	Time Elapsed (secs)	DTW (feet, TOC)	Drawdown (feet)	Temperature (C)	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
PZ-1D	8/24/2022	9.0	2700	56.61	1.54	26.33	7.49	248.17	3.90	2.61	26.9
PZ-2D	8/24/2022	6.0	1800	38.66	0.10	20.64	8.01	163.03	1.51	3.07	79.6
PZ-2D	10/11/2022	9.5	3000	39.87	0.29	20.33	7.94	134.36	0.96	3.94	0.8
PZ-7D	8/25/2022	8.4	2509	34.95	0.03	21.73	6.98	486.05	1.73	0.83	38.2
PZ-14	8/25/2022	9.0	2700	45.61	0.06	22.45	6.93	455.19	0.67	5.58	45.0
PZ-15	8/25/2022	8.0	2400	32.06	0.21	24.48	7.15	517.74	0.41	0.46	-94.2
PZ-16	8/25/2022	5.0	1500	36.30	0	22.43	7.14	492.83	0.92	1.84	104.3
PZ-17	8/25/2022	6.0	1800	35.11	0.08	22.05	7.05	472.92	4.73	0.12	-29.0
PZ-18	8/25/2022	10.0	3000	31.51	0	22.99	6.76	648.77	0.37	0.18	37.1
PZ-19	8/25/2022	5.0	1500	34.07	0.05	22.68	6.67	858.98	0.15	0.37	124.1
PZ-23A	8/25/2022	5.0	1500	53.18	0.31	24.44	6.76	728.37	2.52	2.08	96.3
PZ-25	8/24/2022	5.0	1500	32.93	0.10	24.01	7.10	466.70	1.40	0.57	-71.5
PZ-25	10/11/2022	8.0	2400	34.76	0.44	24.86	7.13	388.97	1.03	0.22	-133.9
PZ-31	8/24/2022	7.0	2100	42.91	1.24	21.20	7.04	437.37	1.03	4.96	42.7
PZ-32	8/24/2022	7.0	2100	40.68	0.04	20.76	7.34	330.19	0.15	1.97	91.3
PZ-32	10/11/2022	7.0	2100	41.79	0.16	21.18	7.37	271.22	0.94	1.48	45.8
PZ-33	8/24/2022	6.0	1800	52.71	1.22	23.52	7.10	463.96	3.07	0.19	35.8
PZ-57	8/26/2022	7.0	2100	31.14	0.32	23.60	7.09	583.06	2.37	0.21	50.3

October 17, 2022

Michelle Barker  
WOOD E&I  
1075 Big Shanty Rd  
Suite 100  
Kennesaw, GA 30144

RE: Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between August 25, 2022 and August 27, 2022. 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.

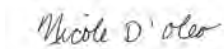
The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

Revision 1: Issued on 10/17/22 to report the Boron result for sample PZ-14 at a lower dilution.

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

Sincerely,



Nicole D'Oleo  
nicole.d'oleo@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR  
Noelia Gangi, Georgia Power  
Ben Hodges, Georgia Power  
Kristen Jurinko  
Laura Midkiff, Georgia Power  
Ms. Lauren Petty, Southern Company

Rhonda Quinn, WOOD E&I  
Michael Smilley, Georgia Power  
Tina Sullivan, ERM  
Greg Wrenn, WOOD E&I



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

---

### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

---

### **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 Peachtree Corners**

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

---

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92622406001	PZ-1D	Water	08/24/22 11:35	08/25/22 09:40
92622406002	FD-01	Water	08/24/22 00:00	08/25/22 09:40
92622406003	PZ-31	Water	08/24/22 14:00	08/25/22 09:40
92622406004	PZ-33	Water	08/24/22 15:45	08/25/22 09:40
92622406009	FB-01	Water	08/24/22 10:00	08/25/22 14:47
92622406010	PZ-2D	Water	08/24/22 11:32	08/25/22 14:47
92622406011	PZ-32	Water	08/24/22 14:10	08/25/22 14:47
92622406012	PZ-25	Water	08/24/22 15:45	08/25/22 14:47
92622406020	PZ-19	Water	08/25/22 10:28	08/26/22 10:00
92622406021	PZ-16	Water	08/25/22 12:12	08/26/22 10:00
92622406022	PZ-15	Water	08/25/22 14:08	08/26/22 10:00
92622406023	FD-02	Water	08/25/22 00:00	08/26/22 10:00
92622406013	PZ-18	Water	08/25/22 10:35	08/26/22 10:00
92622406014	PZ-17	Water	08/25/22 12:10	08/26/22 10:00
92622406015	PZ-23A	Water	08/25/22 16:08	08/26/22 10:00
92622406016	PZ-7D	Water	08/25/22 14:10	08/26/22 10:00
92622406017	PZ-14	Water	08/25/22 16:00	08/26/22 10:00
92622406018	EB-01	Water	08/26/22 09:15	08/27/22 11:15
92622406019	PZ-57	Water	08/26/22 11:20	08/27/22 11:15

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92622406001	PZ-1D	EPA 6010D	DRB	1
		EPA 6020B	KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406002	FD-01	EPA 6010D	DRB	1
		EPA 6020B	KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406003	PZ-31	EPA 6010D	DRB	1
		EPA 6020B	KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406004	PZ-33	EPA 6010D	DRB	1
		EPA 6020B	KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406009	FB-01	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406010	PZ-2D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406011	PZ-32	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92622406012	PZ-25	EPA 6010D	DRB	1
		EPA 6020B	CW1	13

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92622406020	PZ-19	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	KH	13
		EPA 7470A	VB	1
92622406021	PZ-16	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92622406022	PZ-15	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92622406023	FD-02	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
92622406013	PZ-18	EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
92622406014	PZ-17	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
92622406015	PZ-23A	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92622406016	PZ-7D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92622406017	PZ-14	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92622406018	EB-01	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92622406019	PZ-57	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92622406001</b>	<b>PZ-1D</b>					
	Performed by	Customer			08/25/22 13:24	
	pH	7.49	Std. Units		08/25/22 13:24	
EPA 6010D	Calcium	45.8	mg/L	1.0	09/08/22 12:42	
EPA 6020B	Barium	0.015	mg/L	0.0050	09/12/22 22:08	
EPA 6020B	Boron	0.011J	mg/L	0.040	09/12/22 22:08	
EPA 6020B	Chromium	0.0025J	mg/L	0.0050	09/12/22 22:08	
EPA 6020B	Molybdenum	0.00088J	mg/L	0.010	09/12/22 22:08	
SM 2540C-2015	Total Dissolved Solids	139	mg/L	25.0	08/30/22 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	09/04/22 02:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.080J	mg/L	0.10	09/04/22 02:06	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	09/04/22 02:06	
<b>92622406002</b>	<b>FD-01</b>					
	Performed by	Customer			08/25/22 13:25	
	pH	7.49	Std. Units		08/25/22 13:25	
EPA 6010D	Calcium	46.4	mg/L	1.0	09/12/22 15:40	M1
EPA 6020B	Barium	0.013	mg/L	0.0050	09/12/22 22:14	
EPA 6020B	Chromium	0.0023J	mg/L	0.0050	09/12/22 22:14	
EPA 6020B	Molybdenum	0.00085J	mg/L	0.010	09/12/22 22:14	
SM 2540C-2015	Total Dissolved Solids	142	mg/L	25.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	09/04/22 02:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	09/04/22 02:21	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	09/04/22 02:21	
<b>92622406003</b>	<b>PZ-31</b>					
	Performed by	Customer			08/25/22 13:25	
	pH	7.04	Std. Units		08/25/22 13:25	
EPA 6010D	Calcium	95.2	mg/L	1.0	09/12/22 16:00	
EPA 6020B	Barium	0.0063	mg/L	0.0050	09/12/22 22:20	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	09/12/22 22:20	
SM 2540C-2015	Total Dissolved Solids	261	mg/L	25.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	09/04/22 02:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.069J	mg/L	0.10	09/04/22 02:36	
EPA 300.0 Rev 2.1 1993	Sulfate	0.56J	mg/L	1.0	09/04/22 02:36	
<b>92622406004</b>	<b>PZ-33</b>					
	Performed by	Customer			08/25/22 13:25	
	pH	7.10	Std. Units		08/25/22 13:25	
EPA 6010D	Calcium	96.5	mg/L	1.0	09/12/22 16:04	
EPA 6020B	Antimony	0.00082J	mg/L	0.0030	09/12/22 22:43	
EPA 6020B	Barium	0.038	mg/L	0.0050	09/12/22 22:43	
EPA 6020B	Boron	0.32	mg/L	0.040	09/12/22 22:43	
SM 2540C-2015	Total Dissolved Solids	265	mg/L	25.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	09/04/22 02:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.092J	mg/L	0.10	09/04/22 02:51	
EPA 300.0 Rev 2.1 1993	Sulfate	34.7	mg/L	1.0	09/04/22 02:51	
<b>92622406010</b>	<b>PZ-2D</b>					
	Performed by	Customer			08/26/22 09:35	

### REPORT OF LABORATORY ANALYSIS

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



### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92622406010</b>	<b>PZ-2D</b>					
	pH	8.01	Std. Units		08/26/22 09:35	
EPA 6010D	Calcium	27.3	mg/L	1.0	09/22/22 20:27	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	09/22/22 16:33	
EPA 6020B	Barium	0.010	mg/L	0.0050	09/22/22 16:33	
EPA 6020B	Boron	0.012J	mg/L	0.040	09/22/22 16:33	
EPA 6020B	Chromium	0.0066	mg/L	0.0050	09/22/22 16:33	
EPA 6020B	Lithium	0.0012J	mg/L	0.030	09/22/22 16:33	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	09/21/22 14:03	
SM 2540C-2015	Total Dissolved Solids	287	mg/L	25.0	09/07/22 14:10	H1
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	09/04/22 04:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.088J	mg/L	0.10	09/04/22 04:21	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	09/04/22 04:21	
<b>92622406011</b>	<b>PZ-32</b>					
	Performed by	Customer			08/26/22 09:35	
	pH	7.34	Std. Units		08/26/22 09:35	
EPA 6010D	Calcium	67.1	mg/L	1.0	09/22/22 18:13	M1
EPA 6020B	Antimony	0.0010J	mg/L	0.0030	09/22/22 16:57	
EPA 6020B	Barium	0.019	mg/L	0.0050	09/22/22 16:57	
EPA 6020B	Boron	0.022J	mg/L	0.040	09/22/22 16:57	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	09/21/22 14:05	
SM 2540C-2015	Total Dissolved Solids	172	mg/L	25.0	09/07/22 14:10	H1
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	09/07/22 15:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	09/07/22 15:22	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	09/07/22 15:22	
<b>92622406012</b>	<b>PZ-25</b>					
	Performed by	Customer			08/26/22 09:36	
	pH	7.10	Std. Units		08/26/22 09:36	
EPA 6010D	Calcium	87.6	mg/L	1.0	09/22/22 18:32	
EPA 6020B	Barium	0.10	mg/L	0.0050	09/22/22 17:03	
EPA 6020B	Boron	0.19	mg/L	0.040	09/22/22 17:03	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	09/22/22 17:03	
EPA 6020B	Lithium	0.0073J	mg/L	0.030	09/22/22 17:03	
EPA 6020B	Thallium	0.00048J	mg/L	0.0010	09/22/22 17:03	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	09/22/22 08:43	H1
SM 2540C-2015	Total Dissolved Solids	286	mg/L	25.0	09/07/22 14:10	H1
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	09/07/22 16:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	09/07/22 16:32	
EPA 300.0 Rev 2.1 1993	Sulfate	35.7	mg/L	1.0	09/07/22 16:32	
<b>92622406020</b>	<b>PZ-19</b>					
	Performed by	Customer			08/26/22 17:04	
	pH	6.67	Std. Units		08/26/22 17:04	
EPA 6010D	Calcium	156	mg/L	1.0	09/12/22 16:34	
EPA 6020B	Barium	0.046	mg/L	0.0050	09/12/22 22:49	
EPA 6020B	Boron	0.58	mg/L	0.040	09/12/22 22:49	
EPA 6020B	Lithium	0.012J	mg/L	0.030	09/12/22 22:49	
EPA 6020B	Molybdenum	0.0017J	mg/L	0.010	09/12/22 22:49	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92622406020</b>	<b>PZ-19</b>					
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	09/12/22 22:49	
EPA 6020B	Thallium	0.00053J	mg/L	0.0010	09/12/22 22:49	
SM 2540C-2015	Total Dissolved Solids	528	mg/L	50.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	09/07/22 20:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.10	09/07/22 20:16	
EPA 300.0 Rev 2.1 1993	Sulfate	84.4	mg/L	1.0	09/07/22 20:16	
<b>92622406021</b>	<b>PZ-16</b>					
	Performed by	Customer			08/26/22 17:04	
	pH	7.14	Std. Units		08/26/22 17:04	
EPA 6010D	Calcium	92.0	mg/L	1.0	09/12/22 16:39	
EPA 6020B	Barium	0.035	mg/L	0.0050	09/12/22 23:07	
EPA 6020B	Boron	0.24	mg/L	0.20	09/15/22 13:37	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	09/12/22 23:07	
SM 2540C-2015	Total Dissolved Solids	90.0	mg/L	25.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	6.3	mg/L	1.0	09/07/22 20:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	09/07/22 20:30	
EPA 300.0 Rev 2.1 1993	Sulfate	38.7	mg/L	1.0	09/07/22 20:30	
<b>92622406022</b>	<b>PZ-15</b>					
	Performed by	Customer			08/26/22 17:04	
	pH	7.15	Std. Units		08/26/22 17:04	
EPA 6010D	Calcium	96.7	mg/L	1.0	09/12/22 16:44	
EPA 6020B	Barium	0.057	mg/L	0.0050	09/12/22 23:13	
EPA 6020B	Boron	0.21	mg/L	0.20	09/15/22 13:43	
EPA 6020B	Lithium	0.0012J	mg/L	0.030	09/12/22 23:13	
SM 2540C-2015	Total Dissolved Solids	319	mg/L	25.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	6.4	mg/L	1.0	09/07/22 20:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	09/07/22 20:44	
EPA 300.0 Rev 2.1 1993	Sulfate	75.5	mg/L	1.0	09/07/22 20:44	
<b>92622406023</b>	<b>FD-02</b>					
	Performed by	Customer			08/26/22 17:04	
	pH	6.76	Std. Units		08/26/22 17:04	
EPA 6010D	Calcium	147	mg/L	1.0	09/12/22 16:49	
EPA 6020B	Barium	0.025	mg/L	0.0050	09/12/22 23:19	
EPA 6020B	Boron	0.38	mg/L	0.20	09/15/22 13:49	
EPA 6020B	Lithium	0.0033J	mg/L	0.030	09/12/22 23:19	
SM 2540C-2015	Total Dissolved Solids	432	mg/L	50.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	09/07/22 20:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	09/07/22 20:58	
EPA 300.0 Rev 2.1 1993	Sulfate	95.6	mg/L	1.0	09/07/22 20:58	
<b>92622406013</b>	<b>PZ-18</b>					
	Performed by	Customer			08/26/22 17:05	
	pH	6.76	Std. Units		08/26/22 17:05	
EPA 6010D	Calcium	141	mg/L	1.0	09/12/22 16:53	
EPA 6020B	Barium	0.026	mg/L	0.0050	09/12/22 23:25	
EPA 6020B	Boron	0.39	mg/L	0.20	09/15/22 13:55	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92622406013</b>	<b>PZ-18</b>					
EPA 6020B	Lithium	0.0033J	mg/L	0.030	09/12/22 23:25	
SM 2540C-2015	Total Dissolved Solids	446	mg/L	50.0	08/30/22 15:42	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	09/07/22 21:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	09/07/22 21:12	
EPA 300.0 Rev 2.1 1993	Sulfate	96.3	mg/L	1.0	09/07/22 21:12	
<b>92622406014</b>	<b>PZ-17</b>					
	Performed by	Customer			08/26/22 17:05	
	pH	7.05	Std. Units		08/26/22 17:05	
EPA 6010D	Calcium	99.5	mg/L	1.0	09/12/22 16:58	
EPA 6020B	Barium	0.061	mg/L	0.0050	09/12/22 23:31	
EPA 6020B	Boron	0.19J	mg/L	0.20	09/15/22 14:01	D3
EPA 6020B	Lithium	0.0018J	mg/L	0.030	09/12/22 23:31	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	09/12/22 23:31	
SM 2540C-2015	Total Dissolved Solids	321	mg/L	25.0	08/30/22 15:43	
EPA 300.0 Rev 2.1 1993	Chloride	3.9	mg/L	1.0	09/07/22 21:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	09/07/22 21:26	
EPA 300.0 Rev 2.1 1993	Sulfate	62.7	mg/L	1.0	09/07/22 21:26	
<b>92622406015</b>	<b>PZ-23A</b>					
	Performed by	Customer			08/26/22 17:05	
	pH	6.76	Std. Units		08/26/22 17:05	
EPA 6010D	Calcium	145	mg/L	1.0	09/12/22 17:03	
EPA 6020B	Barium	0.036	mg/L	0.0050	09/12/22 23:37	
EPA 6020B	Boron	0.17J	mg/L	0.20	09/15/22 14:07	D3
EPA 6020B	Chromium	0.0022J	mg/L	0.0050	09/12/22 23:37	
EPA 6020B	Selenium	0.0023J	mg/L	0.0050	09/12/22 23:37	
SM 2540C-2015	Total Dissolved Solids	437	mg/L	25.0	08/30/22 15:43	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	09/07/22 22:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	09/07/22 22:08	
EPA 300.0 Rev 2.1 1993	Sulfate	45.6	mg/L	1.0	09/07/22 22:08	
<b>92622406016</b>	<b>PZ-7D</b>					
	Performed by	Customer			08/26/22 17:05	
	pH	6.98	Std. Units		08/26/22 17:05	
EPA 6010D	Calcium	107	mg/L	1.0	09/12/22 17:08	
EPA 6020B	Barium	0.0058	mg/L	0.0050	09/12/22 23:43	
EPA 6020B	Boron	0.20	mg/L	0.20	09/15/22 14:13	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	09/12/22 23:43	
EPA 6020B	Lithium	0.0030J	mg/L	0.030	09/12/22 23:43	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	09/12/22 23:43	
SM 2540C-2015	Total Dissolved Solids	325	mg/L	25.0	08/30/22 15:43	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	09/07/22 22:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	09/07/22 22:50	
EPA 300.0 Rev 2.1 1993	Sulfate	47.3	mg/L	1.0	09/07/22 22:50	
<b>92622406017</b>	<b>PZ-14</b>					
	Performed by	Customer			08/26/22 17:05	
	pH	6.93	Std. Units		08/26/22 17:05	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92622406017</b>	<b>PZ-14</b>					
EPA 6010D	Calcium	108	mg/L	1.0	09/12/22 17:12	
EPA 6020B	Barium	0.011	mg/L	0.0050	09/12/22 23:49	
EPA 6020B	Boron	0.032J	mg/L	0.040	10/11/22 13:07	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	09/12/22 23:49	
SM 2540C-2015	Total Dissolved Solids	259	mg/L	25.0	08/30/22 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	09/07/22 23:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.051J	mg/L	0.10	09/07/22 23:32	
EPA 300.0 Rev 2.1 1993	Sulfate	10.7	mg/L	1.0	09/07/22 23:32	
<b>92622406018</b>	<b>EB-01</b>					
EPA 6020B	Boron	0.0091J	mg/L	0.040	09/13/22 18:45	
<b>92622406019</b>	<b>PZ-57</b>					
	Performed by	Customer			08/29/22 11:09	
	pH	7.09	Std. Units		08/29/22 11:09	
EPA 6010D	Calcium	95.5	mg/L	1.0	09/12/22 18:15	
EPA 6020B	Barium	0.064	mg/L	0.0050	09/13/22 18:51	
EPA 6020B	Boron	0.18	mg/L	0.040	09/13/22 18:51	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	09/13/22 18:51	
EPA 6020B	Lithium	0.0013J	mg/L	0.030	09/13/22 18:51	
SM 2540C-2015	Total Dissolved Solids	358	mg/L	25.0	08/31/22 12:44	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	09/08/22 00:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.083J	mg/L	0.10	09/08/22 00:00	
EPA 300.0 Rev 2.1 1993	Sulfate	87.2	mg/L	1.0	09/08/22 00:00	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-1D		Lab ID: 92622406001		Collected: 08/24/22 11:35		Received: 08/25/22 09:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/25/22 13:24		
pH	<b>7.49</b>	Std. Units			1		08/25/22 13:24		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>45.8</b>	mg/L	1.0	0.12	1	09/07/22 11:21	09/08/22 12:42	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 22:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 22:08	7440-38-2	
Barium	<b>0.015</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 22:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 22:08	7440-41-7	
Boron	<b>0.011J</b>	mg/L	0.040	0.0086	1	09/12/22 10:47	09/12/22 22:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 22:08	7440-43-9	
Chromium	<b>0.0025J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 22:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 22:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 22:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 22:08	7439-93-2	
Molybdenum	<b>0.00088J</b>	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 22:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 22:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 22:08	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 08:48	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>139</b>	mg/L	25.0	10.0	1		08/30/22 15:41		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.6</b>	mg/L	1.0	0.60	1		09/04/22 02:06	16887-00-6	
Fluoride	<b>0.080J</b>	mg/L	0.10	0.050	1		09/04/22 02:06	16984-48-8	
Sulfate	<b>2.2</b>	mg/L	1.0	0.50	1		09/04/22 02:06	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: FD-01		Lab ID: 92622406002		Collected: 08/24/22 00:00		Received: 08/25/22 09:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/25/22 13:25		
pH	<b>7.49</b>	Std. Units			1		08/25/22 13:25		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>46.4</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 15:40	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 22:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 22:14	7440-38-2	
Barium	<b>0.013</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 22:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 22:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/12/22 10:47	09/12/22 22:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 22:14	7440-43-9	
Chromium	<b>0.0023J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 22:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 22:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 22:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 22:14	7439-93-2	
Molybdenum	<b>0.00085J</b>	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 22:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 22:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 22:14	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 08:58	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>142</b>	mg/L	25.0	10.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.6</b>	mg/L	1.0	0.60	1		09/04/22 02:21	16887-00-6	
Fluoride	<b>0.076J</b>	mg/L	0.10	0.050	1		09/04/22 02:21	16984-48-8	
Sulfate	<b>2.2</b>	mg/L	1.0	0.50	1		09/04/22 02:21	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-31		Lab ID: 92622406003		Collected: 08/24/22 14:00		Received: 08/25/22 09:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/25/22 13:25		
pH	<b>7.04</b>	Std. Units			1		08/25/22 13:25		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>95.2</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:00	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 22:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 22:20	7440-38-2	
Barium	<b>0.0063</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 22:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 22:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/12/22 10:47	09/12/22 22:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 22:20	7440-43-9	
Chromium	<b>0.0015J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 22:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 22:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 22:20	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 22:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 22:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 22:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 22:20	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:01	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>261</b>	mg/L	25.0	10.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.0</b>	mg/L	1.0	0.60	1		09/04/22 02:36	16887-00-6	
Fluoride	<b>0.069J</b>	mg/L	0.10	0.050	1		09/04/22 02:36	16984-48-8	
Sulfate	<b>0.56J</b>	mg/L	1.0	0.50	1		09/04/22 02:36	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-33		Lab ID: 92622406004		Collected: 08/24/22 15:45		Received: 08/25/22 09:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/25/22 13:25		
pH	<b>7.10</b>	Std. Units			1		08/25/22 13:25		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>96.5</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:04	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.00082J</b>	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 22:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 22:43	7440-38-2	
Barium	<b>0.038</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 22:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 22:43	7440-41-7	
Boron	<b>0.32</b>	mg/L	0.040	0.0086	1	09/12/22 10:47	09/12/22 22:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 22:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 22:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 22:43	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 22:43	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 22:43	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 22:43	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 22:43	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 22:43	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:04	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>265</b>	mg/L	25.0	10.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.8</b>	mg/L	1.0	0.60	1		09/04/22 02:51	16887-00-6	
Fluoride	<b>0.092J</b>	mg/L	0.10	0.050	1		09/04/22 02:51	16984-48-8	
Sulfate	<b>34.7</b>	mg/L	1.0	0.50	1		09/04/22 02:51	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: FB-01		Lab ID: 92622406009		Collected: 08/24/22 10:00		Received: 08/25/22 14:47		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	09/21/22 17:50	09/22/22 18:08	7440-70-2		
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/22 17:50	09/22/22 16:27	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0022	1	09/21/22 17:50	09/22/22 16:27	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/21/22 17:50	09/22/22 16:27	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/21/22 17:50	09/22/22 16:27	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/21/22 17:50	09/22/22 16:27	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/21/22 17:50	09/22/22 16:27	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/22 17:50	09/22/22 16:27	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/21/22 17:50	09/22/22 16:27	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/21/22 17:50	09/22/22 16:27	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/21/22 17:50	09/22/22 16:27	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/22 17:50	09/22/22 16:27	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/22 17:50	09/22/22 16:27	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/22 17:50	09/22/22 16:27	7440-28-0		
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	09/21/22 09:00	09/21/22 14:00	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	10.0	1		09/07/22 14:10		H1	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		09/04/22 04:06	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/04/22 04:06	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/04/22 04:06	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-2D		Lab ID: 92622406010		Collected: 08/24/22 11:32		Received: 08/25/22 14:47		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 09:35		
pH	<b>8.01</b>	Std. Units			1		08/26/22 09:35		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>27.3</b>	mg/L	1.0	0.12	1	09/21/22 17:50	09/22/22 20:27	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0011J</b>	mg/L	0.0030	0.00078	1	09/21/22 17:50	09/22/22 16:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/21/22 17:50	09/22/22 16:33	7440-38-2	
Barium	<b>0.010</b>	mg/L	0.0050	0.00067	1	09/21/22 17:50	09/22/22 16:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/21/22 17:50	09/22/22 16:33	7440-41-7	
Boron	<b>0.012J</b>	mg/L	0.040	0.0086	1	09/21/22 17:50	09/22/22 16:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/21/22 17:50	09/22/22 16:33	7440-43-9	
Chromium	<b>0.0066</b>	mg/L	0.0050	0.0011	1	09/21/22 17:50	09/22/22 16:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/21/22 17:50	09/22/22 16:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/22 17:50	09/22/22 16:33	7439-92-1	
Lithium	<b>0.0012J</b>	mg/L	0.030	0.00073	1	09/21/22 17:50	09/22/22 16:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/22 17:50	09/22/22 16:33	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/22 17:50	09/22/22 16:33	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/22 17:50	09/22/22 16:33	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00013J</b>	mg/L	0.00020	0.00013	1	09/21/22 09:00	09/21/22 14:03	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>287</b>	mg/L	25.0	10.0	1		09/07/22 14:10		H1
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.1</b>	mg/L	1.0	0.60	1		09/04/22 04:21	16887-00-6	
Fluoride	<b>0.088J</b>	mg/L	0.10	0.050	1		09/04/22 04:21	16984-48-8	
Sulfate	<b>2.0</b>	mg/L	1.0	0.50	1		09/04/22 04:21	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-32		Lab ID: 92622406011		Collected: 08/24/22 14:10		Received: 08/25/22 14:47		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 09:35		
pH	<b>7.34</b>	Std. Units			1		08/26/22 09:35		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>67.1</b>	mg/L	1.0	0.12	1	09/21/22 17:50	09/22/22 18:13	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0010J</b>	mg/L	0.0030	0.00078	1	09/21/22 17:50	09/22/22 16:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/21/22 17:50	09/22/22 16:57	7440-38-2	
Barium	<b>0.019</b>	mg/L	0.0050	0.00067	1	09/21/22 17:50	09/22/22 16:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/21/22 17:50	09/22/22 16:57	7440-41-7	
Boron	<b>0.022J</b>	mg/L	0.040	0.0086	1	09/21/22 17:50	09/22/22 16:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/21/22 17:50	09/22/22 16:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/22 17:50	09/22/22 16:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/21/22 17:50	09/22/22 16:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/22 17:50	09/22/22 16:57	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/21/22 17:50	09/22/22 16:57	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/22 17:50	09/22/22 16:57	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/22 17:50	09/22/22 16:57	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/22 17:50	09/22/22 16:57	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00014J</b>	mg/L	0.00020	0.00013	1	09/21/22 09:00	09/21/22 14:05	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>172</b>	mg/L	25.0	10.0	1		09/07/22 14:10		H1
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>2.7</b>	mg/L	1.0	0.60	1		09/07/22 15:22	16887-00-6	
Fluoride	<b>0.058J</b>	mg/L	0.10	0.050	1		09/07/22 15:22	16984-48-8	
Sulfate	<b>1.7</b>	mg/L	1.0	0.50	1		09/07/22 15:22	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-25		Lab ID: 92622406012		Collected: 08/24/22 15:45		Received: 08/25/22 14:47		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 09:36		
pH	<b>7.10</b>	Std. Units			1		08/26/22 09:36		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>87.6</b>	mg/L	1.0	0.12	1	09/21/22 17:50	09/22/22 18:32	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/22 17:50	09/22/22 17:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/21/22 17:50	09/22/22 17:03	7440-38-2	
Barium	<b>0.10</b>	mg/L	0.0050	0.00067	1	09/21/22 17:50	09/22/22 17:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/21/22 17:50	09/22/22 17:03	7440-41-7	
Boron	<b>0.19</b>	mg/L	0.040	0.0086	1	09/21/22 17:50	09/22/22 17:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/21/22 17:50	09/22/22 17:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/22 17:50	09/22/22 17:03	7440-47-3	
Cobalt	<b>0.0016J</b>	mg/L	0.0050	0.00039	1	09/21/22 17:50	09/22/22 17:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/22 17:50	09/22/22 17:03	7439-92-1	
Lithium	<b>0.0073J</b>	mg/L	0.030	0.00073	1	09/21/22 17:50	09/22/22 17:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/22 17:50	09/22/22 17:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/22 17:50	09/22/22 17:03	7782-49-2	
Thallium	<b>0.00048J</b>	mg/L	0.0010	0.00018	1	09/21/22 17:50	09/22/22 17:03	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00018J</b>	mg/L	0.00020	0.00013	1	09/21/22 11:00	09/22/22 08:43	7439-97-6	H1
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>286</b>	mg/L	25.0	10.0	1		09/07/22 14:10		H1
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.8</b>	mg/L	1.0	0.60	1		09/07/22 16:32	16887-00-6	
Fluoride	<b>0.15</b>	mg/L	0.10	0.050	1		09/07/22 16:32	16984-48-8	
Sulfate	<b>35.7</b>	mg/L	1.0	0.50	1		09/07/22 16:32	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-19		Lab ID: 92622406020		Collected: 08/25/22 10:28		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:04		
pH	<b>6.67</b>	Std. Units			1		08/26/22 17:04		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>156</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:34	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 22:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 22:49	7440-38-2	
Barium	<b>0.046</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 22:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 22:49	7440-41-7	
Boron	<b>0.58</b>	mg/L	0.040	0.0086	1	09/12/22 10:47	09/12/22 22:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 22:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 22:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 22:49	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 22:49	7439-92-1	
Lithium	<b>0.012J</b>	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 22:49	7439-93-2	
Molybdenum	<b>0.0017J</b>	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 22:49	7439-98-7	
Selenium	<b>0.0019J</b>	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 22:49	7782-49-2	
Thallium	<b>0.00053J</b>	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 22:49	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:11	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>528</b>	mg/L	50.0	20.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.6</b>	mg/L	1.0	0.60	1		09/07/22 20:16	16887-00-6	
Fluoride	<b>0.086J</b>	mg/L	0.10	0.050	1		09/07/22 20:16	16984-48-8	
Sulfate	<b>84.4</b>	mg/L	1.0	0.50	1		09/07/22 20:16	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-16		Lab ID: 92622406021		Collected: 08/25/22 12:12		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:04		
pH	<b>7.14</b>	Std. Units			1		08/26/22 17:04		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>92.0</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:39	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:07	7440-38-2	
Barium	<b>0.035</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:07	7440-41-7	
Boron	<b>0.24</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 13:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:07	7440-43-9	
Chromium	<b>0.0012J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:07	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:07	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:07	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:07	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:07	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:14	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>90.0</b>	mg/L	25.0	10.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>6.3</b>	mg/L	1.0	0.60	1		09/07/22 20:30	16887-00-6	
Fluoride	<b>0.058J</b>	mg/L	0.10	0.050	1		09/07/22 20:30	16984-48-8	
Sulfate	<b>38.7</b>	mg/L	1.0	0.50	1		09/07/22 20:30	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

**Sample: PZ-15**      **Lab ID: 92622406022**      Collected: 08/25/22 14:08      Received: 08/26/22 10:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:04		
pH	<b>7.15</b>	Std. Units			1		08/26/22 17:04		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>96.7</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:44	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:13	7440-38-2	
Barium	<b>0.057</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:13	7440-41-7	
Boron	<b>0.21</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 13:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:13	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:13	7439-92-1	
Lithium	<b>0.0012J</b>	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:13	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:13	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:13	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:13	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:17	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>319</b>	mg/L	25.0	10.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>6.4</b>	mg/L	1.0	0.60	1		09/07/22 20:44	16887-00-6	
Fluoride	<b>0.074J</b>	mg/L	0.10	0.050	1		09/07/22 20:44	16984-48-8	
Sulfate	<b>75.5</b>	mg/L	1.0	0.50	1		09/07/22 20:44	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: <b>FD-02</b>		Lab ID: <b>92622406023</b>		Collected: 08/25/22 00:00		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:04		
pH	<b>6.76</b>	Std. Units			1		08/26/22 17:04		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>147</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:49	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:19	7440-38-2	
Barium	<b>0.025</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:19	7440-41-7	
Boron	<b>0.38</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 13:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:19	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:19	7439-92-1	
Lithium	<b>0.0033J</b>	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:19	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:19	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:19	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:19	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>432</b>	mg/L	50.0	20.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.6</b>	mg/L	1.0	0.60	1		09/07/22 20:58	16887-00-6	
Fluoride	<b>0.054J</b>	mg/L	0.10	0.050	1		09/07/22 20:58	16984-48-8	
Sulfate	<b>95.6</b>	mg/L	1.0	0.50	1		09/07/22 20:58	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Sample: PZ-18		Lab ID: 92622406013		Collected: 08/25/22 10:35		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:05		
pH	<b>6.76</b>	Std. Units			1		08/26/22 17:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>141</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:53	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:25	7440-38-2	
Barium	<b>0.026</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:25	7440-41-7	
Boron	<b>0.39</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 13:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:25	7439-92-1	
Lithium	<b>0.0033J</b>	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:25	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:25	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:25	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:22	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>446</b>	mg/L	50.0	20.0	1		08/30/22 15:42		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>4.6</b>	mg/L	1.0	0.60	1		09/07/22 21:12	16887-00-6	
Fluoride	<b>0.052J</b>	mg/L	0.10	0.050	1		09/07/22 21:12	16984-48-8	
Sulfate	<b>96.3</b>	mg/L	1.0	0.50	1		09/07/22 21:12	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

**Sample: PZ-17**      **Lab ID: 92622406014**      Collected: 08/25/22 12:10      Received: 08/26/22 10:00      Matrix: Water

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

**Field Data**

Analytical Method:  
Pace Analytical Services - Charlotte

Performed by	<b>Customer</b>				1		08/26/22 17:05		
pH	<b>7.05</b>	Std. Units			1		08/26/22 17:05		

**6010D ATL ICP**

Analytical Method: EPA 6010D      Preparation Method: EPA 3010A  
Pace Analytical Services - Peachtree Corners, GA

Calcium	<b>99.5</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 16:58	7440-70-2	
---------	-------------	------	-----	------	---	----------------	----------------	-----------	--

**6020 MET ICPMS**

Analytical Method: EPA 6020B      Preparation Method: EPA 3005A  
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:31	7440-38-2	
Barium	<b>0.061</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:31	7440-41-7	
Boron	<b>0.19J</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 14:01	7440-42-8	D3
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:31	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:31	7439-92-1	
Lithium	<b>0.0018J</b>	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:31	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:31	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:31	7782-49-2	
Thallium	<b>0.00037J</b>	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:31	7440-28-0	

**7470 Mercury**

Analytical Method: EPA 7470A      Preparation Method: EPA 7470A  
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:25	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

**2540C Total Dissolved Solids**

Analytical Method: SM 2540C-2015  
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	<b>321</b>	mg/L	25.0	10.0	1		08/30/22 15:43		
------------------------	------------	------	------	------	---	--	----------------	--	--

**300.0 IC Anions 28 Days**

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

Chloride	<b>3.9</b>	mg/L	1.0	0.60	1		09/07/22 21:26	16887-00-6	
Fluoride	<b>0.078J</b>	mg/L	0.10	0.050	1		09/07/22 21:26	16984-48-8	
Sulfate	<b>62.7</b>	mg/L	1.0	0.50	1		09/07/22 21:26	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-23A		Lab ID: 92622406015		Collected: 08/25/22 16:08		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:05		
pH	<b>6.76</b>	Std. Units			1		08/26/22 17:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>145</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 17:03	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:37	7440-38-2	
Barium	<b>0.036</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:37	7440-41-7	
Boron	<b>0.17J</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 14:07	7440-42-8	D3
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:37	7440-43-9	
Chromium	<b>0.0022J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:37	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:37	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:37	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:37	7439-98-7	
Selenium	<b>0.0023J</b>	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:37	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:37	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:27	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>437</b>	mg/L	25.0	10.0	1		08/30/22 15:43		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.2</b>	mg/L	1.0	0.60	1		09/07/22 22:08	16887-00-6	
Fluoride	<b>0.074J</b>	mg/L	0.10	0.050	1		09/07/22 22:08	16984-48-8	
Sulfate	<b>45.6</b>	mg/L	1.0	0.50	1		09/07/22 22:08	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-7D		Lab ID: 92622406016		Collected: 08/25/22 14:10		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:05		
pH	<b>6.98</b>	Std. Units			1		08/26/22 17:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>107</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 17:08	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:43	7440-38-2	
Barium	<b>0.0058</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:43	7440-41-7	
Boron	<b>0.20</b>	mg/L	0.20	0.043	5	09/12/22 10:47	09/15/22 14:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:43	7440-43-9	
Chromium	<b>0.0024J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:43	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:43	7439-92-1	
Lithium	<b>0.0030J</b>	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:43	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:43	7439-98-7	
Selenium	<b>0.0017J</b>	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:43	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:43	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:30	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>325</b>	mg/L	25.0	10.0	1		08/30/22 15:43		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.1</b>	mg/L	1.0	0.60	1		09/07/22 22:50	16887-00-6	
Fluoride	<b>0.056J</b>	mg/L	0.10	0.050	1		09/07/22 22:50	16984-48-8	
Sulfate	<b>47.3</b>	mg/L	1.0	0.50	1		09/07/22 22:50	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: PZ-14		Lab ID: 92622406017		Collected: 08/25/22 16:00		Received: 08/26/22 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		08/26/22 17:05		
pH	<b>6.93</b>	Std. Units			1		08/26/22 17:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>108</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 17:12	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 10:47	09/12/22 23:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 10:47	09/12/22 23:49	7440-38-2	
Barium	<b>0.011</b>	mg/L	0.0050	0.00067	1	09/12/22 10:47	09/12/22 23:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 10:47	09/12/22 23:49	7440-41-7	
Boron	<b>0.032J</b>	mg/L	0.040	0.0086	1	10/10/22 14:48	10/11/22 13:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 10:47	09/12/22 23:49	7440-43-9	
Chromium	<b>0.0014J</b>	mg/L	0.0050	0.0011	1	09/12/22 10:47	09/12/22 23:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 10:47	09/12/22 23:49	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 10:47	09/12/22 23:49	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 10:47	09/12/22 23:49	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 10:47	09/12/22 23:49	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 10:47	09/12/22 23:49	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 10:47	09/12/22 23:49	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:32	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>259</b>	mg/L	25.0	10.0	1		08/30/22 15:47		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.6</b>	mg/L	1.0	0.60	1		09/07/22 23:32	16887-00-6	
Fluoride	<b>0.051J</b>	mg/L	0.10	0.050	1		09/07/22 23:32	16984-48-8	
Sulfate	<b>10.7</b>	mg/L	1.0	0.50	1		09/07/22 23:32	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Sample: EB-01		Lab ID: 92622406018		Collected: 08/26/22 09:15		Received: 08/27/22 11:15		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 17:17	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 18:08	09/13/22 18:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 18:08	09/13/22 18:45	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	09/12/22 18:08	09/13/22 18:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 18:08	09/13/22 18:45	7440-41-7	
Boron	<b>0.0091J</b>	mg/L	0.040	0.0086	1	09/12/22 18:08	09/13/22 18:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 18:08	09/13/22 18:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 18:08	09/13/22 18:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/12/22 18:08	09/13/22 18:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 18:08	09/13/22 18:45	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/12/22 18:08	09/13/22 18:45	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 18:08	09/13/22 18:45	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 18:08	09/13/22 18:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 18:08	09/13/22 18:45	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:40	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	10.0	1		08/31/22 12:44		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		09/07/22 23:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/07/22 23:46	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/07/22 23:46	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

**Sample: PZ-57**      **Lab ID: 92622406019**      Collected: 08/26/22 11:20      Received: 08/27/22 11:15      Matrix: Water

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

**Field Data**

Analytical Method:  
Pace Analytical Services - Charlotte

Performed by	<b>Customer</b>				1		08/29/22 11:09		
pH	<b>7.09</b>	Std. Units			1		08/29/22 11:09		

**6010D ATL ICP**

Analytical Method: EPA 6010D      Preparation Method: EPA 3010A  
Pace Analytical Services - Peachtree Corners, GA

Calcium	<b>95.5</b>	mg/L	1.0	0.12	1	09/12/22 10:47	09/12/22 18:15	7440-70-2	
---------	-------------	------	-----	------	---	----------------	----------------	-----------	--

**6020 MET ICPMS**

Analytical Method: EPA 6020B      Preparation Method: EPA 3005A  
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	09/12/22 18:08	09/13/22 18:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	09/12/22 18:08	09/13/22 18:51	7440-38-2	
Barium	<b>0.064</b>	mg/L	0.0050	0.00067	1	09/12/22 18:08	09/13/22 18:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/12/22 18:08	09/13/22 18:51	7440-41-7	
Boron	<b>0.18</b>	mg/L	0.040	0.0086	1	09/12/22 18:08	09/13/22 18:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/12/22 18:08	09/13/22 18:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/12/22 18:08	09/13/22 18:51	7440-47-3	
Cobalt	<b>0.0012J</b>	mg/L	0.0050	0.00039	1	09/12/22 18:08	09/13/22 18:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/12/22 18:08	09/13/22 18:51	7439-92-1	
Lithium	<b>0.0013J</b>	mg/L	0.030	0.00073	1	09/12/22 18:08	09/13/22 18:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/12/22 18:08	09/13/22 18:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/12/22 18:08	09/13/22 18:51	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/12/22 18:08	09/13/22 18:51	7440-28-0	

**7470 Mercury**

Analytical Method: EPA 7470A      Preparation Method: EPA 7470A  
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	09/12/22 15:30	09/13/22 09:43	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

**2540C Total Dissolved Solids**

Analytical Method: SM 2540C-2015  
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	<b>358</b>	mg/L	25.0	10.0	1		08/31/22 12:44		
------------------------	------------	------	------	------	---	--	----------------	--	--

**300.0 IC Anions 28 Days**

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

Chloride	<b>2.4</b>	mg/L	1.0	0.60	1		09/08/22 00:00	16887-00-6	
Fluoride	<b>0.083J</b>	mg/L	0.10	0.050	1		09/08/22 00:00	16984-48-8	
Sulfate	<b>87.2</b>	mg/L	1.0	0.50	1		09/08/22 00:00	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 721529	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406001

METHOD BLANK: 3759360 Matrix: Water

Associated Lab Samples: 92622406001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/07/22 16:39	

LABORATORY CONTROL SAMPLE: 3759361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3759362 3759363

Parameter	Units	3759362		3759363		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	183000 ug/L	1	1	178	178	-461	-474	75-125	0	20 M1

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

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

QC Batch:	722653	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406018, 92622406019, 92622406020, 92622406021, 92622406022, 92622406023

METHOD BLANK: 3765178 Matrix: Water

Associated Lab Samples: 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406018, 92622406019, 92622406020, 92622406021, 92622406022, 92622406023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/12/22 15:31	

LABORATORY CONTROL SAMPLE: 3765179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3765180 3765181

Parameter	Units	92622406002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	46.4	1	1	48.9	49.9	249	352	75-125	2	20	M1

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

QC Batch:	724852	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406009, 92622406010, 92622406011, 92622406012

METHOD BLANK: 3776437 Matrix: Water  
Associated Lab Samples: 92622406009, 92622406010, 92622406011, 92622406012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/22/22 17:49	

LABORATORY CONTROL SAMPLE: 3776438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3776441 3776442

Parameter	Units	3776441		3776442		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	67.1	1	1	68.1	69.3	100	212	75-125	2	20 M1

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 722656 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406020, 92622406021, 92622406022, 92622406023

METHOD BLANK: 3765186 Matrix: Water  
Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406020, 92622406021, 92622406022, 92622406023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/12/22 21:56	
Arsenic	mg/L	0.0023J	0.0050	0.0022	09/12/22 21:56	
Barium	mg/L	ND	0.0050	0.00067	09/12/22 21:56	
Beryllium	mg/L	ND	0.00050	0.000054	09/12/22 21:56	
Boron	mg/L	ND	0.040	0.0086	09/12/22 21:56	
Cadmium	mg/L	ND	0.00050	0.00011	09/12/22 21:56	
Chromium	mg/L	ND	0.0050	0.0011	09/12/22 21:56	
Cobalt	mg/L	ND	0.0050	0.00039	09/12/22 21:56	
Lead	mg/L	ND	0.0010	0.00089	09/12/22 21:56	
Lithium	mg/L	ND	0.030	0.00073	09/12/22 21:56	
Molybdenum	mg/L	ND	0.010	0.00074	09/12/22 21:56	
Selenium	mg/L	ND	0.0050	0.0014	09/12/22 21:56	
Thallium	mg/L	ND	0.0010	0.00018	09/12/22 21:56	

LABORATORY CONTROL SAMPLE: 3765187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.10	104	80-120	
Chromium	mg/L	0.1	0.11	107	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Lithium	mg/L	0.1	0.11	105	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.10	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3765188 3765189

Parameter	Units	92622406003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	103	109	75-125	5	20	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3765188												3765189	
Parameter	Units	92622406003 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	Qual	
			Spike Conc.	Spike Conc.							RPD		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20		
Barium	mg/L	0.0063	0.1	0.1	0.10	0.11	97	104	75-125	6	20		
Beryllium	mg/L	ND	0.1	0.1	0.094	0.097	94	97	75-125	4	20		
Boron	mg/L	ND	1	1	0.91	0.96	91	95	75-125	5	20		
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	98	103	75-125	4	20		
Chromium	mg/L	0.0015J	0.1	0.1	0.096	0.097	95	96	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20		
Lead	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	1	20		
Lithium	mg/L	ND	0.1	0.1	0.098	0.10	97	102	75-125	5	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	100	104	75-125	4	20		
Selenium	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 722711 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406018, 92622406019

METHOD BLANK: 3765581 Matrix: Water  
Associated Lab Samples: 92622406018, 92622406019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00086J	0.0030	0.00078	09/13/22 18:33	
Arsenic	mg/L	ND	0.0050	0.0022	09/13/22 18:33	
Barium	mg/L	ND	0.0050	0.00067	09/13/22 18:33	
Beryllium	mg/L	ND	0.00050	0.000054	09/13/22 18:33	
Boron	mg/L	ND	0.040	0.0086	09/13/22 18:33	
Cadmium	mg/L	ND	0.00050	0.00011	09/13/22 18:33	
Chromium	mg/L	ND	0.0050	0.0011	09/13/22 18:33	
Cobalt	mg/L	ND	0.0050	0.00039	09/13/22 18:33	
Lead	mg/L	ND	0.0010	0.00089	09/13/22 18:33	
Lithium	mg/L	ND	0.030	0.00073	09/13/22 18:33	
Molybdenum	mg/L	ND	0.010	0.00074	09/13/22 18:33	
Selenium	mg/L	ND	0.0050	0.0014	09/13/22 18:33	
Thallium	mg/L	ND	0.0010	0.00018	09/13/22 18:33	

LABORATORY CONTROL SAMPLE: 3765582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Lithium	mg/L	0.1	0.098	98	80-120	
Molybdenum	mg/L	0.1	0.11	106	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3765583 3765584

Parameter	Units	92622406019 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	111	109	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3765583 3765584													
Parameter	Units	92622406019		MSD		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Barium	mg/L	0.064	0.1	0.1	0.17	0.17	108	103	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20		
Boron	mg/L	0.18	1	1	1.2	1.2	101	99	75-125	2	20		
Cadmium	mg/L	ND	0.1	0.1	0.099	0.099	98	99	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20		
Cobalt	mg/L	0.0012J	0.1	0.1	0.099	0.099	98	97	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20		
Lithium	mg/L	0.0013J	0.1	0.1	0.096	0.099	94	97	75-125	3	20		
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	2	20		
Selenium	mg/L	ND	0.1	0.1	0.097	0.097	97	96	75-125	0	20		
Thallium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20		

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 724857 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92622406009, 92622406010, 92622406011, 92622406012

METHOD BLANK: 3776475 Matrix: Water  
Associated Lab Samples: 92622406009, 92622406010, 92622406011, 92622406012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/22/22 16:16	
Arsenic	mg/L	ND	0.0050	0.0022	09/22/22 16:16	
Barium	mg/L	ND	0.0050	0.00067	09/22/22 16:16	
Beryllium	mg/L	ND	0.00050	0.000054	09/22/22 16:16	
Boron	mg/L	ND	0.040	0.0086	09/22/22 16:16	
Cadmium	mg/L	ND	0.00050	0.00011	09/22/22 16:16	
Chromium	mg/L	ND	0.0050	0.0011	09/22/22 16:16	
Cobalt	mg/L	ND	0.0050	0.00039	09/22/22 16:16	
Lead	mg/L	ND	0.0010	0.00089	09/22/22 16:16	
Lithium	mg/L	ND	0.030	0.00073	09/22/22 16:16	
Molybdenum	mg/L	ND	0.010	0.00074	09/22/22 16:16	
Selenium	mg/L	ND	0.0050	0.0014	09/22/22 16:16	
Thallium	mg/L	ND	0.0010	0.00018	09/22/22 16:16	

LABORATORY CONTROL SAMPLE: 3776476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.096	96	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Lithium	mg/L	0.1	0.098	98	80-120	
Molybdenum	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.095	95	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3776477 3776478

Parameter	Units	92622406010 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Antimony	mg/L	0.0011J	0.1	0.1	0.10	0.10	99	104	75-125	5	20	
Arsenic	mg/L	ND	0.1	0.1	0.093	0.098	93	98	75-125	5	20	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Parameter	Units	92622406010		3776477		3776478		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Barium	mg/L	0.010	0.1	0.1	0.10	0.11	89	96	75-125	6	20			
Beryllium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20			
Boron	mg/L	0.012J	1	1	1.0	1.0	100	103	75-125	3	20			
Cadmium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20			
Chromium	mg/L	0.0066	0.1	0.1	0.10	0.10	96	96	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Lead	mg/L	ND	0.1	0.1	0.094	0.093	94	92	75-125	2	20			
Lithium	mg/L	0.0012J	0.1	0.1	0.096	0.098	95	97	75-125	2	20			
Molybdenum	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20			
Selenium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20			
Thallium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20			

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

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

QC Batch: 729120

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406017

METHOD BLANK: 3797015

Matrix: Water

Associated Lab Samples: 92622406017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.0086	10/11/22 12:54	

LABORATORY CONTROL SAMPLE: 3797016

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797017 3797018

Parameter	Units	3797017		3797018		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Boron	mg/L	0.032J	1	1	0.99	1.0	95	98	75-125	3	20

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch:	722636	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406018, 92622406019, 92622406020, 92622406021, 92622406022, 92622406023

METHOD BLANK: 3765117 Matrix: Water

Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406018, 92622406019, 92622406020, 92622406021, 92622406022, 92622406023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	09/13/22 08:43	

LABORATORY CONTROL SAMPLE: 3765118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3765119 3765120

Parameter	Units	92622406001 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	0.0025	0.0025	0.0022	0.0023	89	91	75-125	2	20	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 724415 Analysis Method: EPA 7470A  
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92622406009, 92622406010, 92622406011

METHOD BLANK: 3774316 Matrix: Water  
Associated Lab Samples: 92622406009, 92622406010, 92622406011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	09/21/22 12:52	

LABORATORY CONTROL SAMPLE: 3774317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3774318 3774319

Parameter	Units	92623533008		3774319		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0026	97	103	75-125	6	20

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

QC Batch: 724420

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406012

METHOD BLANK: 3774337

Matrix: Water

Associated Lab Samples: 92622406012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	09/21/22 14:35	

LABORATORY CONTROL SAMPLE: 3774338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3774339 3774340

Parameter	Units	92625866027		3774340		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	91	94	75-125	3	20

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 720456 Analysis Method: SM 2540C-2015  
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406020, 92622406021, 92622406022, 92622406023

METHOD BLANK: 3754176 Matrix: Water  
Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406013, 92622406014, 92622406015, 92622406016, 92622406017, 92622406020, 92622406021, 92622406022, 92622406023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	10.0	08/30/22 15:41	

LABORATORY CONTROL SAMPLE: 3754177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	80-120	

SAMPLE DUPLICATE: 3754178

Parameter	Units	92622406001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	146	5	25	

SAMPLE DUPLICATE: 3754179

Parameter	Units	92622406015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	437	445	2	25	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 720606	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92622406018, 92622406019

METHOD BLANK: 3754817 Matrix: Water

Associated Lab Samples: 92622406018, 92622406019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	10.0	08/31/22 12:39	

LABORATORY CONTROL SAMPLE: 3754818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 3754819

Parameter	Units	92622591001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	78.0	18	25	

SAMPLE DUPLICATE: 3755118

Parameter	Units	92622993001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	45.0	51.0	12	25	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 721840 Analysis Method: SM 2540C-2015  
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92622406009, 92622406010, 92622406011, 92622406012

METHOD BLANK: 3760948 Matrix: Water  
Associated Lab Samples: 92622406009, 92622406010, 92622406011, 92622406012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	10.0	09/07/22 14:10	

LABORATORY CONTROL SAMPLE: 3760949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	380	95	80-120	

SAMPLE DUPLICATE: 3760951

Parameter	Units	92624031002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	218	216	1	10	

SAMPLE DUPLICATE: 3780502

Parameter	Units	92622406009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	H1

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

QC Batch: 721131 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: 92622406001, 92622406002, 92622406003, 92622406004, 92622406009, 92622406010

METHOD BLANK: 3757656 Matrix: Water  
 Associated Lab Samples: 92622406001, 92622406002, 92622406003, 92622406004, 92622406009, 92622406010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/03/22 20:38	
Fluoride	mg/L	ND	0.10	0.050	09/03/22 20:38	
Sulfate	mg/L	ND	1.0	0.50	09/03/22 20:38	

LABORATORY CONTROL SAMPLE: 3757657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.3	105	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3757658 3757659

Parameter	Units	92621182011		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	0.82J	50	50	49.4	50.1	97	99	90-110	1	10		
Fluoride	mg/L	0.15	2.5	2.5	2.6	2.6	98	99	90-110	1	10		
Sulfate	mg/L	3.3	50	50	51.4	52.3	96	98	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3757660 3757661

Parameter	Units	92621182021		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	6.2	50	50	55.1	55.4	98	98	90-110	0	10		
Fluoride	mg/L	0.12	2.5	2.5	2.5	2.6	97	98	90-110	1	10		
Sulfate	mg/L	0.84J	50	50	48.6	48.9	95	96	90-110	1	10		

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

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch:	721658	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:	92622406011, 92622406012, 92622406013, 92622406014, 92622406015, 92622406020, 92622406021, 92622406022, 92622406023		

METHOD BLANK: 3760016 Matrix: Water  
Associated Lab Samples: 92622406011, 92622406012, 92622406013, 92622406014, 92622406015, 92622406020, 92622406021, 92622406022, 92622406023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/07/22 14:35	
Fluoride	mg/L	ND	0.10	0.050	09/07/22 14:35	
Sulfate	mg/L	ND	1.0	0.50	09/07/22 14:35	

LABORATORY CONTROL SAMPLE: 3760017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.0	98	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3760018 3760019

Parameter	Units	92622406011		3760018		3760019		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Chloride	mg/L	2.7	50	50	55.5	55.2	105	105	90-110	0	10		
Fluoride	mg/L	0.058J	2.5	2.5	2.4	2.4	93	93	90-110	1	10		
Sulfate	mg/L	1.7	50	50	54.3	54.0	105	105	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3760020 3760021

Parameter	Units	92621445013		3760020		3760021		% 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	53.0	52.7	106	105	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10		
Sulfate	mg/L	ND	50	50	52.8	52.5	106	105	90-110	1	10		

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

QC Batch: 721661 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: 92622406016, 92622406017, 92622406018, 92622406019

METHOD BLANK: 3760039 Matrix: Water  
Associated Lab Samples: 92622406016, 92622406017, 92622406018, 92622406019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/07/22 22:22	
Fluoride	mg/L	ND	0.10	0.050	09/07/22 22:22	
Sulfate	mg/L	ND	1.0	0.50	09/07/22 22:22	

LABORATORY CONTROL SAMPLE: 3760040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.3	91	90-110	
Sulfate	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3760041 3760042

Parameter	Units	92622406016		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	4.1	50	50	57.1	56.7	106	105	90-110	1	10		
Fluoride	mg/L	0.056J	2.5	2.5	2.4	2.4	93	93	90-110	0	10		
Sulfate	mg/L	47.3	50	50	98.1	99.8	101	105	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3760043 3760044

Parameter	Units	92623226003		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	7.9	50	50	61.5	61.2	107	107	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	96	95	90-110	1	10		
Sulfate	mg/L	0.78J	50	50	54.0	53.6	106	106	90-110	1	10		

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

### REPORT OF LABORATORY ANALYSIS

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

## QUALIFIERS

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

---

### 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.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H1 Analysis conducted outside the EPA method holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92622406001	PZ-1D				
92622406002	FD-01				
92622406003	PZ-31				
92622406004	PZ-33				
92622406010	PZ-2D				
92622406011	PZ-32				
92622406012	PZ-25				
92622406020	PZ-19				
92622406021	PZ-16				
92622406022	PZ-15				
92622406023	FD-02				
92622406013	PZ-18				
92622406014	PZ-17				
92622406015	PZ-23A				
92622406016	PZ-7D				
92622406017	PZ-14				
92622406019	PZ-57				
92622406001	PZ-1D	EPA 3010A	721529	EPA 6010D	721846
92622406002	FD-01	EPA 3010A	722653	EPA 6010D	722708
92622406003	PZ-31	EPA 3010A	722653	EPA 6010D	722708
92622406004	PZ-33	EPA 3010A	722653	EPA 6010D	722708
92622406009	FB-01	EPA 3010A	724852	EPA 6010D	724979
92622406010	PZ-2D	EPA 3010A	724852	EPA 6010D	724979
92622406011	PZ-32	EPA 3010A	724852	EPA 6010D	724979
92622406012	PZ-25	EPA 3010A	724852	EPA 6010D	724979
92622406020	PZ-19	EPA 3010A	722653	EPA 6010D	722708
92622406021	PZ-16	EPA 3010A	722653	EPA 6010D	722708
92622406022	PZ-15	EPA 3010A	722653	EPA 6010D	722708
92622406023	FD-02	EPA 3010A	722653	EPA 6010D	722708
92622406013	PZ-18	EPA 3010A	722653	EPA 6010D	722708
92622406014	PZ-17	EPA 3010A	722653	EPA 6010D	722708
92622406015	PZ-23A	EPA 3010A	722653	EPA 6010D	722708
92622406016	PZ-7D	EPA 3010A	722653	EPA 6010D	722708
92622406017	PZ-14	EPA 3010A	722653	EPA 6010D	722708
92622406018	EB-01	EPA 3010A	722653	EPA 6010D	722708
92622406019	PZ-57	EPA 3010A	722653	EPA 6010D	722708
92622406001	PZ-1D	EPA 3005A	722656	EPA 6020B	722744
92622406002	FD-01	EPA 3005A	722656	EPA 6020B	722744
92622406003	PZ-31	EPA 3005A	722656	EPA 6020B	722744
92622406004	PZ-33	EPA 3005A	722656	EPA 6020B	722744
92622406009	FB-01	EPA 3005A	724857	EPA 6020B	724980
92622406010	PZ-2D	EPA 3005A	724857	EPA 6020B	724980
92622406011	PZ-32	EPA 3005A	724857	EPA 6020B	724980
92622406012	PZ-25	EPA 3005A	724857	EPA 6020B	724980
92622406020	PZ-19	EPA 3005A	722656	EPA 6020B	722744

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell 2022 2nd SA-Revised Report  
Pace Project No.: 92622406

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92622406021	PZ-16	EPA 3005A	722656	EPA 6020B	722744
92622406022	PZ-15	EPA 3005A	722656	EPA 6020B	722744
92622406023	FD-02	EPA 3005A	722656	EPA 6020B	722744
92622406013	PZ-18	EPA 3005A	722656	EPA 6020B	722744
92622406014	PZ-17	EPA 3005A	722656	EPA 6020B	722744
92622406015	PZ-23A	EPA 3005A	722656	EPA 6020B	722744
92622406016	PZ-7D	EPA 3005A	722656	EPA 6020B	722744
92622406017	PZ-14	EPA 3005A	722656	EPA 6020B	722744
92622406017	PZ-14	EPA 3005A	729120	EPA 6020B	729196
92622406018	EB-01	EPA 3005A	722711	EPA 6020B	722836
92622406019	PZ-57	EPA 3005A	722711	EPA 6020B	722836
92622406001	PZ-1D	EPA 7470A	722636	EPA 7470A	722845
92622406002	FD-01	EPA 7470A	722636	EPA 7470A	722845
92622406003	PZ-31	EPA 7470A	722636	EPA 7470A	722845
92622406004	PZ-33	EPA 7470A	722636	EPA 7470A	722845
92622406009	FB-01	EPA 7470A	724415	EPA 7470A	724676
92622406010	PZ-2D	EPA 7470A	724415	EPA 7470A	724676
92622406011	PZ-32	EPA 7470A	724415	EPA 7470A	724676
92622406012	PZ-25	EPA 7470A	724420	EPA 7470A	724771
92622406020	PZ-19	EPA 7470A	722636	EPA 7470A	722845
92622406021	PZ-16	EPA 7470A	722636	EPA 7470A	722845
92622406022	PZ-15	EPA 7470A	722636	EPA 7470A	722845
92622406023	FD-02	EPA 7470A	722636	EPA 7470A	722845
92622406013	PZ-18	EPA 7470A	722636	EPA 7470A	722845
92622406014	PZ-17	EPA 7470A	722636	EPA 7470A	722845
92622406015	PZ-23A	EPA 7470A	722636	EPA 7470A	722845
92622406016	PZ-7D	EPA 7470A	722636	EPA 7470A	722845
92622406017	PZ-14	EPA 7470A	722636	EPA 7470A	722845
92622406018	EB-01	EPA 7470A	722636	EPA 7470A	722845
92622406019	PZ-57	EPA 7470A	722636	EPA 7470A	722845
92622406001	PZ-1D	SM 2540C-2015	720456		
92622406002	FD-01	SM 2540C-2015	720456		
92622406003	PZ-31	SM 2540C-2015	720456		
92622406004	PZ-33	SM 2540C-2015	720456		
92622406009	FB-01	SM 2540C-2015	721840		
92622406010	PZ-2D	SM 2540C-2015	721840		
92622406011	PZ-32	SM 2540C-2015	721840		
92622406012	PZ-25	SM 2540C-2015	721840		
92622406020	PZ-19	SM 2540C-2015	720456		
92622406021	PZ-16	SM 2540C-2015	720456		
92622406022	PZ-15	SM 2540C-2015	720456		
92622406023	FD-02	SM 2540C-2015	720456		
92622406013	PZ-18	SM 2540C-2015	720456		
92622406014	PZ-17	SM 2540C-2015	720456		

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell 2022 2nd SA-Revised Report

Pace Project No.: 92622406

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92622406015	PZ-23A	SM 2540C-2015	720456		
92622406016	PZ-7D	SM 2540C-2015	720456		
92622406017	PZ-14	SM 2540C-2015	720456		
92622406018	EB-01	SM 2540C-2015	720606		
92622406019	PZ-57	SM 2540C-2015	720606		
92622406001	PZ-1D	EPA 300.0 Rev 2.1 1993	721131		
92622406002	FD-01	EPA 300.0 Rev 2.1 1993	721131		
92622406003	PZ-31	EPA 300.0 Rev 2.1 1993	721131		
92622406004	PZ-33	EPA 300.0 Rev 2.1 1993	721131		
92622406009	FB-01	EPA 300.0 Rev 2.1 1993	721131		
92622406010	PZ-2D	EPA 300.0 Rev 2.1 1993	721131		
92622406011	PZ-32	EPA 300.0 Rev 2.1 1993	721658		
92622406012	PZ-25	EPA 300.0 Rev 2.1 1993	721658		
92622406020	PZ-19	EPA 300.0 Rev 2.1 1993	721658		
92622406021	PZ-16	EPA 300.0 Rev 2.1 1993	721658		
92622406022	PZ-15	EPA 300.0 Rev 2.1 1993	721658		
92622406023	FD-02	EPA 300.0 Rev 2.1 1993	721658		
92622406013	PZ-18	EPA 300.0 Rev 2.1 1993	721658		
92622406014	PZ-17	EPA 300.0 Rev 2.1 1993	721658		
92622406015	PZ-23A	EPA 300.0 Rev 2.1 1993	721658		
92622406016	PZ-7D	EPA 300.0 Rev 2.1 1993	721661		
92622406017	PZ-14	EPA 300.0 Rev 2.1 1993	721661		
92622406018	EB-01	EPA 300.0 Rev 2.1 1993	721661		
92622406019	PZ-57	EPA 300.0 Rev 2.1 1993	721661		

### REPORT OF LABORATORY ANALYSIS

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



DC#\_ Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project

WO#: 92622406



Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 5/25/22 [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: 5.8 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): 5.8

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92622406

PM: NMG

Due Date: 09/09/22

CLIENT: GA-GA Power

\*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, DRD/8015 (water) DOC, LLHg

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

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 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)	DG9S-40 mL VOA H2SO4 (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 (0.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

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

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



Page 11 of 11

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A  
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://nio.pacelabs.com/hubs/pas-standard-terms.pdf>

Section B  
Requested Project Information:

Section C  
Attention:

Page: 11 of 11

Company: Wood CEI (GA Power)	Address: 1075 Big Shanty Road	Report To: Daniel Howard	Copy To: Miskolet Parker	Company Name: Miskolet Parker
Suite: 100, Kennesaw, GA 30144	Email: daniel.howard@woodpic.com	Purchase Order #	Project Name: Mitchell 2022 2nd SA	Address:
Phone: (770) 421-3382	Fax:	Project #	6122160700.2302	Page Profile # 10834
Requested Due Date: Standard				nicoled@pacelabs.com.

ITEM #	SAMPLE ID (A-Z, 0-9 / -) / One Character per box. Sample Ids must be unique	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	State / Location				
						START	END							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol						Other	CI, F, SO4	TDS	App III/IV Metals
13	MIT-PZ-D-WG-20220824	Drinking Water	DW			8/24/22	11:35							X	X	X													
14	MIT-APAR-FD-001-W6-20220824	Water	WT			8/24/22	11:35							X	X	X													
15	MIT-PZ-31-WG-20220824	Water	WT			8/24/22	14:00							X	X	X													
16	MIT-PZ-33-WG-20220824	Water	WT			8/24/22	15:45							X	X	X													
17														X	X	X													
18														X	X	X													
19														X	X	X													
20														X	X	X													
21														X	X	X													
22														X	X	X													
23														X	X	X													
24														X	X	X													

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Daniel Howard Wood	8/24/22	15:00	Miskolet Parker	8/25/22	09:40

ADDITIONAL COMMENTS	SAMPLE CONDITIONS
	Received on Ice (Y/N)
	Custody Sealed Cooler (Y/N)
	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		TEMP in C
PRINT Name of SAMPLER: Daniel Howard Wood	DATE Signed: 8/24/22	Received on Ice (Y/N)
SIGNATURE of SAMPLER: Daniel Howard Wood		Custody Sealed Cooler (Y/N)
		Samples Intact (Y/N)



DC#\_ Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Knoxville

Sample Condition Upon Receipt

Client Name: GA Power

Project WO#: 92622406

PM: NMG Due Date: 09/09/22 CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 6/25/22 EJA

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer:  IR Gun ID: 083 Type of Ice:  Wet  Blue  None

Biological Tissue Frozen?  Yes  No  N/A

Cooler Temp: 5.9 Correction Factor: 0.0 Add/Subtract (°C)

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

Cooler Temp Corrected (°C): 5.9

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required?  Yes  No

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

**WO# : 92622406**

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

Proj **PM: NMG** Due Date: **09/09/22**

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

**CLIENT: GA-GA Power**

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

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit) VPH/Gas kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3.9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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

*Pace*

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Client Information: **Company** Wood Est (GA Power) **Address** 1075 Big Shanty Road **City** Atlanta **State / Location** GA  
**Phone** (770) 421-3382 **Project #** 612216070.2202 **Requested Due Date** Standard

Section B Required Project Information: **Report To** Daniel Howard **Copy To** **Project Name** Mltche 2022 2nd SA **Project #** 612216070.2202  
**Purchase Order #** **Invoice Information:** **Company Name** **Address** **City** **State** **Zip** **Attention:** **Account Manager:** **Phone** **Project Profile #** 10834

Section C Regulatory Agency: **State / Location** GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				DATE	TIME											
1	MIT-A2A12-ER-D1-WG-20230824	WT		9/4/22	10:00	5 X	X		X							
2	MIT-PZ-2D-WG-20230824	WT		11:32		5 X	X		X							
3	MIT-PZ-32-WG-20230824	WT		14:18		5 X	X		X							
4	MIT-PZ-25-WG-20230824	WT		15:45		5 X	X		X							
5		WT							X							
6		WT							X							
7		WT							X							
8		WT							X							
9		WT							X							
10		WT							X							
11		WT							X							
12		WT							X							

ADDITIONAL COMMENTS: *David Howard Wood* *8/24/22 18:00* *Charles Hunt* *8/25/22 14:47*

REQUISITIONED BY / AFFILIATION: *David Howard Wood* DATE: *8/24/22* TIME: *18:00*

ACCEPTED BY / AFFILIATION: *Charles Hunt* DATE: *8/25/22* TIME: *14:47*

SAMPLER NAME AND SIGNATURE: **PRINT Name of SAMPLER:** *David Howard Wood* **SIGNATURE:** *David Howard Wood* DATE Signed: *8/24/22*

SAMPLE CONDITIONS: **Received on Ice (Y/N):** **Custody Sealed Cooler (Y/N):** **Samples Intact (Y/N):**

PH = 8.01  
 pH = 7.34  
 pH = 7.10



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville

Sample Condition Upon Receipt

Client Name:

Project

WO#: 92622406

PM: NMG

Due Date: 09/09/22

CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 8/26/22 [Signature]

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 214 8121 7394 5028 Type of Ice:  Wet  Blue  None

Cooler Temp: 4.8/5.1/5.4 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): 4.8/5.1/5.4

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92622406

PM: NMG

Due Date: 09/09/22

CLIENT: GA-GA Power

\*Check mark top half of box if pH and/or dechlorination is verified and Project #

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

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

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

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pass-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

#### Section A Required Client Information:

Company: Wood Est (GA Power)  
 Address: 1075 Big Shanty Road  
 Suite 100 Kennesaw GA 30144  
 Email: daniel.howard@woodpc.com  
 Phone: (770)213 3382  
 Requested Due Date: Standards

#### Section B Required Project Information:

Report To: Daniel Howard  
 Copy To: Rhonda Givner  
 Michelle Barker  
 Purchase Order #  
 Project Name: Mitchell 2022 2nd SA  
 Project #: 411216070, 2202

#### Section C Invoice Information:

Attention:  
 Company Name  
 Address:  
 Pace Quote  
 Pace Project Manager: nicole.diles@pacelabs.com  
 Pace Profile #: 10834

Page: 1 of 1

Requested Analytes Filtered (Y/N)  
 Residual Chlorine (Y/N)  
 Regulatory Agency  
 State / Location: GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . - ) Sample IDs must be unique	MATRIX Draining Water Waste Water Product Water Sewage Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							Analyse Test Y/N	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)	PH = 6.67 PH = 7.14 PH = 7.15
						START DATE TIME	END DATE TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				
1	MIT-PZ-19-WG-20220825		WT			8/24/22	12:28		5X	X										
2	MIT-PZ-16-WG-20220825		WT			8/24/22	12:12		5X	X										
3	MIT-PZ-15-WG-20220825		WT			8/24/22	14:08		5X	X										
4			WT																	
5			WT																	
6			WT																	
7			WT																	
8			WT																	
9			WT																	
10			WT																	
11			WT																	
12			WT																	

RELINQUISHED BY / AFFILIATION: Daniel Howard / Wood Est  
 DATE: 8/25/22 TIME: 18:10  
 ACCEPTED BY / AFFILIATION: Charles Hark / Wood Est  
 DATE: 8/25/22 TIME: 10:00

SAMPLER NAME AND SIGNATURE: Daniel Howard  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: Daniel Howard  
 DATE Signed: 8/25/22  
 TEMPERATURE in C:  
 Received on ice (Y/N):  
 Custody Sealed Cooler (Y/N):  
 Samples Intact (Y/N):



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Proj

WO#: 92622406

PM: NMG

Due Date: 09/09/22

CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

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

Cooler Temp: 4.8/5.1/5.4 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 4.8/5.1/5.4

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

Date/Initials Person Examining Contents: 8/26/22  
CJA

Biological Tissue Frozen?

Yes  No  N/A

Temp should be above freezing to 6°C

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

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_





DC#\_ Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

**WO# : 92622406**

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

PM: NMG Due Date: 09/09/22  
CLIENT: GA-GA Power

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/subs/pas-standard-terms.pdf>.

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately.

**Section A**  
**Required Client Information:**  
Company: Wood Est (GA Power)  
Address: 1075 Big Shanty Road  
Suite 100, Kennesaw, GA 30144  
Email: daniel.howard@pacelabs.com  
Phone: (770) 217-3382  
Requested Date: 3/22/22

**Required Project Information:**  
Report To: Daniel Howard  
Copy To: Michelle Parker  
Purchase Order #:   
Project Name: Mitchell 2022 2nd SA  
Project #: 612160170.2202

**Section B**  
**Invoice Information:**  
Attention:   
Company Name:   
Address:   
Pace Project Manager: nicole.d@pacelabs.com  
Pace Profile #: 10834

**Section C**  
**Regulatory Agency**  
State / Location: GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / - ) Sample Ids must be unique	MATRIX Drilling Water Water Waste Water Product Sewage Oil Wipe Air Other Trains	CODE DNV WT WW P FL OL WP AR OT TS	COLLECTED		START		END		PRESERVATIVES		ANALYSES TEST			Residual Chlorine (Y/N)	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
				MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	# OF CONTAINERS	H2SO4	HNO3	HCl	NaOH						Na2S2O3
1	MT-APRIL-EMD02-WG-20220825			WT																
2	MT-PZ-18-WG-20220825			WT																
3	MT-PZ-17-WG-20220825			WT																
4	MT-18			WT																
5	MT-18			WT																
6	MT-18			WT																
7	MT-18			WT																
8	MT-18			WT																
8	MT-18			WT																
10	MT-18			WT																
11	MT-18			WT																
12	MT-18			WT																

**RELINQUISHED BY / AFFILIATION**  
DATE: 3/21/22  
TIME: 18:15  
Signature: Daniel Howard

**ACCEPTED BY / AFFILIATION**  
DATE: 3/22/22  
TIME: 10:00  
Signature: Daniel Howard

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: Daniel Howard / Ever Gaillen  
SIGNATURE BY SAMPLER: [Signature]  
DATE Signed: 3/25/22

**SAMPLE CONDITIONS**  
TEMP in C:   
Received on Ice (Y/N):   
Custody Sealed Cooler (Y/N):   
Samples Intact (Y/N):

*Pace*

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard/terms.pdf>

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A  
 Required Client Information:  
 Company: Wood Est (GA Power)  
 Address: 1075 Big Shanty Road  
 Suite 100, Kennesaw, GA 30144  
 Email: daniel.howard@woodpe.com  
 Phone: (770)421-3382  
 Requested Due Date: **Standard**

Section B  
 Required Project Information:  
 Report To: Daniel Howard  
 Copy To: **Sheela Guin**  
**Michelle Backer**  
 Purchase Order #:  
 Project Name: **Michael 2022 2nd SA**  
 Project #: **612210170.2202**

Section C  
 Invoice Information:  
 Attention: Michelle Backer  
 Company Name: Pace Quote  
 Address: Pace Project Manager  
 nicole.dole@pacelabs.com  
 Pace Profile #: 10834

Regulatory Agency: **GA**

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

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analyses Test	Residual Chlorine (Y/N)	
					START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3			Methanol
13	Water	WT	WT														
14	Water	WT	WT														
15	Water	WT	WT														
16	Water	WT	WT														
17	Water	WT	WT														
18	Water	WT	WT														
19	Water	WT	WT														
20	Water	WT	WT														
21	Water	WT	WT														
22	Water	WT	WT														
23	Water	WT	WT														
24	Water	WT	WT														

ADDITIONAL COMMENTS: **Michael 2022 2nd SA**

RELINQUISHED BY / AFFILIATION: **Daniel Howard / Pace** DATE: **8/25/22** TIME: **10:00**

ACCEPTED BY / AFFILIATION: **Sheela Guin / Pace** DATE: **8/25/22** TIME: **10:00**

SAMPLER NAME AND SIGNATURE: **Daniel Howard / Ever Guillen**

PRINT Name of SAMPLER: **Daniel Howard / Ever Guillen**

SIGNATURE of SAMPLER: **Daniel Howard / Ever Guillen**

DATE Signed: **8/25/22**

TEMP in C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed (Y/N): \_\_\_\_\_

Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project # WO#: 92622406

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other: \_\_\_\_\_

PM: NMG Due Date: 09/09/22  
CLIENT: GA-GA Power

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

81219394 5017

Date/Initials Person Examining Contents: \_\_\_\_\_

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: 3.8 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): 3.8

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:	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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



Effective Date: 05/12/2022

WO#: 92622406

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

Project

PM: NMG

Due Date: 09/09/22

Receptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LTHg

CLIENT: GA-GA Power

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

\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A) - (lit)	SP2T-250 mL Sterile Plastic (N/A) - (lit)	BP3B-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BFIN  
24/1

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

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacecelis.com/hubs/pace-standard-terms.pdf>

**Section A**

**Required Client Information:**  
 Company: Wood Est (GA Power)  
 Address: 1075 Big Shanty Road  
 Suite 100 Kennesaw, GA 30144  
 Email: daniel.howard@woodcorp.com  
 Phone: (770)421-3382 Fax:  
 Requested Due Date: Standard

**Required Project Information:**  
 Report To: Daniel Howard  
 Copy To: Rhonda Quinn  
 Michelle Barker  
 Purchase Order #:  
 Project Name: Mitchell 2022 2nd SA  
 Project #: 612216070.2203

**Section B**

**Invoice Information:**  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote  
 Pace Project Manager: nicole.dileo@pacecelis.com  
 Pace Profile #: 10834

**Section C**

**Regulatory Agency**  
 State / Location: GA

**Page: 1 of 1**

ITEM #	SAMPLE ID <small>One Character per box. (A-Z, 0-9 / - ) Sample IDs must be unique</small>	MATRIX <small>Dining Ware Water Water/Wine Product Sut/Sted Oil Wipe Air Other Tissue</small>	CODE <small>DW WT WW P SL WP AR OT TS</small>	MATRIX CODE (see valid codes to left)		SAMPLE TYPE (G=GRAB C=COMP)		COLLECTED		SAMPLE TEMP AT COLLECTION			# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)															
				MATRIX CODE	SAMPLE TYPE	START DATE	START TIME	END DATE	END TIME	H2SO4	HNO3	HCl		NaOH	Na2S2O3	Methanol	Other	C. F. SO4	TDS	App III/IV Metals					RAD 9315/9320														
1	MIT-APAN-EB-01-WA-20220826		WT					8/16/22	0915				5	X	X	X	X	X	X	X	X	X	X	X	X														
2	MIT-PZ-57-WG-20220826		WT					8/24/22	1120				5	X	X	X	X	X	X	X	X	X	X	X	X														
3			WT																																				
4			WT																																				
5			WT																																				
6			WT																																				
7			WT																																				
8			WT																																				
9			WT																																				
10			WT																																				
11			WT																																				
12			WT																																				

David Howard

8/16/22 1600

Emily J. Gault

8/16/22 1115

pH = 7.09

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: Daniel Howard  
 DATE Signed: 8/16/22

**TEMP in C**

**Received on Ice (Y/N)**

**Custody Sealed Cooler (Y/N)**

**Samples intact (Y/N)**

**SAMPLE CONDITIONS**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.pacelabs.com/hubs/na-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Item Information:**

Wood EEL (GA Power)	Report To: Daniel Howard	Company Name: Pace Project Manager	Attention: Pace Project Manager
10/5 Big Shanty Road	Copy To: Michelle Barker	Address: 10834	
Perseus, GA 30144	Purchase Order #: Mitchell 2022 2nd SA	Page Queue: 10834	
mel.howard@woodcorp.com	Project Name: 6122160170.2202	Page Profile #: 10834	
7701421-3382			
Due Date: Standard			

**Required Project Information:**

Report To: Daniel Howard  
 Copy To: Michelle Barker  
 Purchase Order #: Mitchell 2022 2nd SA  
 Project Name: 6122160170.2202

**Invoice Information:**

Company Name: Pace Project Manager  
 Address: 10834  
 Page Queue: 10834  
 Page Profile #: 10834

**Regulatory Agency:** GA

**SAMPLE ID**  
 One Character per box.  
 (A-Z, 0-9 /, -)  
 Sample IDs must be unique

Matrix	Code
Blank	BL
Water	WV
Waste Water	WW
Residual	R
Solid	SL
Soil	SO
Sludge	SD
Air	AI
Other	OT
Tissue	TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE	END DATE						
			TIME	TIME						
PZ-1D	WG	WG	8/24/22	1135	5 X	Unpreserved	Cl, F, SO4	X		
FD-01	WG	WG	8/24/22	-	5 X	H2SO4	TDS	X		
PZ-31	WG	WG	8/24/22	1400	5 X	HNO3	App III/IV Metals	X		
PZ-33	WG	WG	8/24/22	1545	5 X	HCl	RAD 9315/9320	X		
	WT	WT				NaOH				
	WT	WT				Na2SO3				
	WT	WT				Methanol				
	WT	WT				Other				

PH=7.49  
 PH=7.49  
 PH=7.04  
 PH=7.10

**ADDITIONAL COMMENTS:** Daniel Howard / Wood 8/24/22 1800

**RELINQUISHED BY / AFFILIATION:**

**ACCEPTED BY / AFFILIATION:**

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Daniel Howard / Ever Guillen	DATE Signed: 8/24/22
SIGNATURE of SAMPLER: Daniel Howard	

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.parcels.com/terms-conditions-terms.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information: Report To: Daniel Howard, 1075 Big Shanty Road, Kennesaw, GA 30144, (770) 421-5392, dan.howard@epicor.com, Project Name: Michael 2022 2nd SA, Project # : 6122160170.2202, State / Location: GA

Requester Information: Requester Name: Daniel Howard, Address: 1075 Big Shanty Road, Kennesaw, GA 30144, Phone: (770) 421-5392, Email: dan.howard@epicor.com, Project # : 6122160170.2202, State / Location: GA

Company Name: Michaels, Address: 1075 Big Shanty Road, Kennesaw, GA 30144, Project # : 6122160170.2202, State / Location: GA

SAMPLE ID One Character per box. (A-Z, 0-9, -, +) Sample IDs must be unique

Table with columns: SAMPLE ID, MATRIX CODE, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, Preservatives, Analyzes Test, Residual Chlorine (Y/N), and SAMPLE CONDITIONS.

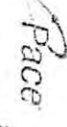
ADDITIONAL COMMENTS: Daniel Howard / Wood 8/25/22 1810

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: Daniel Howard, SIGNATURE of SAMPLER: Daniel Howard, DATE Signed: 8/25/22

TEMP in C, Received on site (Y/N), Custody Sealed Cooler (Y/N), Samples Intact (Y/N)







# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Client Information:**  
 Wood EX1 (GA Power)  
 10175 Ing Shanty Road  
 Kennesaw, GA 30144  
 michael.howard@pacelabs.com  
 (770) 427-5382  
 Live Date: **5/24/22**

**Report To:** Daniel Howard  
**Copy To:** **Michelle Barker**  
**Project Name:** Michael 2022 2nd SA  
**Project #:** **0122160170.22.02**

**Attention:** Pace Project Manager  
**Company Name:** Pace Labs  
**Address:** Pace Labs  
**City/State:** Atlanta, GA  
**Phone/Profile #:** 10834

**Regulatory Agency:**  
 State Location: GA

**Section B**

**Invoice Information:**  
 Section C

**Matrix Code:** (see valid codes to left)  
**Sample Type:** (G=GRAB C=COMP)

SAMPLE ID	One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	Matrix Code	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE	END DATE						
PZ-02	WG	WG	4/25/22	4/25/22	5 X	X		X	X	
PZ-18	WG	WG	4/25/22	1035	5 X	X		X	X	
PZ-17	WG	WG	4/24/22	1210	5 X	X		X	X	
		WT							X	
		WT							X	
		WT							X	
		WT							X	
		WT							X	

**Section C**

**Requested Analysis Filtered (Y/N)**

Cl, F, SO4  
 TDS  
 App III/IV Metals  
 RAD 8315/8220

TEMP in C

**REINQUISHED BY / AFFILIATION**: Daniel Howard / Wood  
**DATE**: 8/25/22  
**TIME**: 1810

**ACCEPTED BY / AFFILIATION**: Daniel Howard / Ever Gillen  
**DATE**: 8/25/22  
**TIME**: 1810

**SAMPLE CONDITIONS**

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: Daniel Howard  
 DATE Signed: 8/25/22



### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.pacelabs.com/chain-of-custody-terms.pdf>

**Client Information:**

Report To: David Howard  
 1075 Big Slanty Road  
 Kernersville, GA 30144  
 jhoward@pacelabs.com  
 (770) 321-3382  
 Fax: Stanford  
 Date Date: 8/26/22

**Required Project Information:**

Copy To: Rhonda Quinn  
Michelle Baker  
 Purchase Order #: Michael 2022 2nd SA  
 Project Name: Michael 2022 2nd SA  
 Project #: 6122160170.2202

**Attention:**  
 Company Name: Pace Project Manager  
 Address: 10634  
 Paces Profile #: 10634  
 Regulatory Agency: GA

**SAMPLE ID**  
 One Character per box  
 (A-Z, 0-9 / , - )  
 Sample IDs must be unique

LOT	MATRIX CODE (SEE VENDOR CODES TO LEFT)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES							ANALYSES TEST				RESIDUAL CHLORINE (Y/N)		
			START DATE	END DATE		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O8	Methanol	Other	Cl, F, SO4	TD5		App III/IV Metals	RAD 9915/9920
<u>EB-01</u>	<u>WA</u>		<u>8/24/22</u>	<u>0915</u>		<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>PZ-57</u>	<u>WG</u>		<u>8/24/22</u>	<u>1120</u>		<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		
	<u>WT</u>																		

PH=7.09

RELINQUISHED BY / AFFILIATION

David Howard / Wood 8/26/22 1600

DATE

ACCEPTED BY / AFFILIATION

DATE

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David Howard

SIGNATURE OF SAMPLER: David Howard

DATE Signed: 8/26/22

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

October 24, 2022

Michelle Barker  
WOOD E&I  
1075 Big Shanty Rd  
Suite 100  
Kennesaw, GA 30144

RE: Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between August 25, 2022 and August 27, 2022. 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.

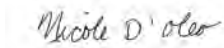
The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

Revision 1: Issued on 10/24/22 to include the Radium QC sheets.

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

Sincerely,



Nicole D'Oleo  
nicole.d'oleo@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR  
Noelia Gangi, Georgia Power  
Ben Hodges, Georgia Power  
Kristen Jurinko  
Laura Midkiff, Georgia Power  
Ms. Lauren Petty, Southern Company  
Rhonda Quinn, WOOD E&I  
Michael Smilley, Georgia Power

Tina Sullivan, ERM  
Greg Wrenn, WOOD E&I



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

---

### **Pace Analytical Services Pennsylvania**

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601  
ANAB DOD-ELAP Rad Accreditation #: L2417  
Alabama Certification #: 41590  
Arizona Certification #: AZ0734  
Arkansas Certification  
California Certification #: 04222CA  
Colorado Certification #: PA01547  
Connecticut Certification #: PH-0694  
Delaware Certification  
EPA Region 4 DW Rad  
Florida/TNI Certification #: E87683  
Georgia Certification #: C040  
Florida: Cert E871149 SEKS WET  
Guam Certification  
Hawaii Certification  
Idaho Certification  
Illinois Certification  
Indiana Certification  
Iowa Certification #: 391  
Kansas/TNI Certification #: E-10358  
Kentucky Certification #: KY90133  
KY WW Permit #: KY0098221  
KY WW Permit #: KY0000221  
Louisiana DHH/TNI Certification #: LA180012  
Louisiana DEQ/TNI Certification #: 4086  
Maine Certification #: 2017020  
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 #: PA014572018-1  
New Hampshire/TNI Certification #: 297617  
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 #: PA200002-010  
Pennsylvania/TNI Certification #: 65-00282  
Puerto Rico Certification #: PA01457  
Rhode Island Certification #: 65-00282  
South Dakota Certification  
Tennessee Certification #: 02867  
Texas/TNI Certification #: T104704188-17-3  
Utah/TNI Certification #: PA014572017-9  
USDA Soil Permit #: P330-17-00091  
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  
Wyoming Certification #: 8TMS-L

---

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92622406005	PZ-1D	Water	08/24/22 11:35	08/25/22 09:40
92622406006	FD-01	Water	08/24/22 00:00	08/25/22 09:40
92622406007	PZ-31	Water	08/24/22 14:00	08/25/22 09:40
92622406008	PZ-33	Water	08/24/22 15:45	08/25/22 09:40
92622414006	FB-01	Water	08/24/22 10:00	08/25/22 14:47
92622414007	PZ-2D	Water	08/24/22 11:32	08/25/22 14:47
92622414008	PZ-32	Water	08/24/22 14:10	08/25/22 14:47
92622414009	PZ-25	Water	08/24/22 15:45	08/25/22 14:47
92622414010	PZ-19	Water	08/25/22 10:28	08/26/22 10:00
92622414011	PZ-16	Water	08/25/22 12:12	08/26/22 10:00
92622414012	PZ-15	Water	08/25/22 14:08	08/26/22 10:00
92622414013	FD-02	Water	08/25/22 00:00	08/26/22 10:00
92622414014	PZ-18	Water	08/25/22 10:35	08/26/22 10:00
92622414015	PZ-17	Water	08/25/22 12:10	08/26/22 10:00
92622414016	PZ-23A	Water	08/25/22 16:08	08/26/22 10:00
92622414017	PZ-7D	Water	08/25/22 14:10	08/26/22 10:00
92622414018	PZ-14	Water	08/25/22 16:00	08/26/22 10:00
92622414019	EB-01	Water	08/26/22 09:15	08/27/22 11:15
92622414020	PZ-57	Water	08/26/22 11:20	08/27/22 11:15

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92622406005	PZ-1D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622406006	FD-01	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622406007	PZ-31	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622406008	PZ-33	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414006	FB-01	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414007	PZ-2D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414008	PZ-32	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414009	PZ-25	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414010	PZ-19	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414011	PZ-16	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414012	PZ-15	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414013	FD-02	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414014	PZ-18	EPA 9315	RMS	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92622414015	PZ-17	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92622414016	PZ-23A	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414017	PZ-7D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92622414018	PZ-14	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92622414019	EB-01	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92622414020	PZ-57	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92622406005</b>	<b>PZ-1D</b>					
EPA 9315	Radium-226	0.0152 ± 0.0651 (0.168) C:89% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.181 ± 0.549 (1.24) C:71% T:82%	pCi/L		09/13/22 16:10	
Total Radium Calculation	Total Radium	0.196 ± 0.614 (1.41)	pCi/L		09/22/22 16:48	
<b>92622406006</b>	<b>FD-01</b>					
EPA 9315	Radium-226	0.0157 ± 0.0669 (0.172) C:94% T:NA	pCi/L		09/22/22 19:40	
EPA 9320	Radium-228	0.131 ± 0.246 (0.540) C:76% T:86%	pCi/L		10/04/22 12:28	
Total Radium Calculation	Total Radium	0.147 ± 0.313 (0.712)	pCi/L		10/05/22 16:55	
<b>92622406007</b>	<b>PZ-31</b>					
EPA 9315	Radium-226	0.0843 ± 0.0839 (0.158) C:93% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.697 ± 0.607 (1.23) C:70% T:88%	pCi/L		09/13/22 16:10	
Total Radium Calculation	Total Radium	0.781 ± 0.691 (1.39)	pCi/L		09/22/22 16:48	
<b>92622406008</b>	<b>PZ-33</b>					
EPA 9315	Radium-226	0.0107 ± 0.0845 (0.220) C:84% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.753 ± 0.662 (1.35) C:69% T:89%	pCi/L		09/13/22 16:10	
Total Radium Calculation	Total Radium	0.764 ± 0.747 (1.57)	pCi/L		09/22/22 16:48	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92622414006</b>	<b>FB-01</b>					
EPA 9315	Radium-226	-0.0245 ± 0.0516 (0.174) C:88% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.463 ± 0.672 (1.45) C:72% T:75%	pCi/L		09/13/22 16:10	
Total Radium Calculation	Total Radium	0.463 ± 0.724 (1.62)	pCi/L		09/22/22 16:48	
<b>92622414007</b>	<b>PZ-2D</b>					
EPA 9315	Radium-226	-0.00215 ± 0.0602 (0.171) C:91% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.0268 ± 0.601 (1.39) C:74% T:80%	pCi/L		09/13/22 16:10	
Total Radium Calculation	Total Radium	0.0268 ± 0.661 (1.56)	pCi/L		09/22/22 16:48	
<b>92622414008</b>	<b>PZ-32</b>					
EPA 9315	Radium-226	0.0960 ± 0.102 (0.206) C:91% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.246 ± 0.478 (1.05) C:75% T:92%	pCi/L		09/13/22 16:10	
Total Radium Calculation	Total Radium	0.342 ± 0.580 (1.26)	pCi/L		09/22/22 16:48	
<b>92622414009</b>	<b>PZ-25</b>					
EPA 9315	Radium-226	0.205 ± 0.130 (0.208) C:85% T:NA	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	0.559 ± 0.363 (0.683) C:79% T:90%	pCi/L		09/13/22 16:48	
Total Radium Calculation	Total Radium	0.764 ± 0.493 (0.891)	pCi/L		09/22/22 16:48	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92622414010</b>	<b>PZ-19</b>					
EPA 9315	Radium-226	0.148 ± 0.118 (0.207)	pCi/L		09/22/22 09:17	
EPA 9320	Radium-228	C:77% T:NA 0.789 ± 0.405 (0.693)	pCi/L		09/13/22 16:48	
Total Radium Calculation	Total Radium	C:74% T:86% 0.937 ± 0.523 (0.900)	pCi/L		09/22/22 16:48	
<b>92622414011</b>	<b>PZ-16</b>					
EPA 9315	Radium-226	0.202 ± 0.137 (0.237)	pCi/L		09/22/22 08:36	
EPA 9320	Radium-228	C:89% T:NA 0.526 ± 0.405 (0.792)	pCi/L		09/13/22 16:48	
Total Radium Calculation	Total Radium	C:76% T:80% 0.728 ± 0.542 (1.03)	pCi/L		09/22/22 16:48	
<b>92622414012</b>	<b>PZ-15</b>					
EPA 9315	Radium-226	0.115 ± 0.115 (0.228)	pCi/L		09/22/22 08:38	
EPA 9320	Radium-228	C:83% T:NA 0.934 ± 0.453 (0.784)	pCi/L		09/13/22 16:48	
Total Radium Calculation	Total Radium	C:79% T:88% 1.05 ± 0.568 (1.01)	pCi/L		09/22/22 16:48	
<b>92622414013</b>	<b>FD-02</b>					
EPA 9315	Radium-226	0.0573 ± 0.0802 (0.171)	pCi/L		09/22/22 08:40	
EPA 9320	Radium-228	C:87% T:NA 0.771 ± 0.533 (1.05)	pCi/L		09/13/22 16:54	
Total Radium Calculation	Total Radium	C:71% T:90% 0.828 ± 0.613 (1.22)	pCi/L		09/22/22 16:48	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92622414014</b>	<b>PZ-18</b>					
EPA 9315	Radium-226	0.0434 ± 0.0826 (0.190) C:88% T:NA	pCi/L		09/22/22 08:40	
EPA 9320	Radium-228	-0.0394 ± 0.528 (1.21) C:71% T:91%	pCi/L		09/13/22 16:54	
Total Radium Calculation	Total Radium	0.0434 ± 0.611 (1.40)	pCi/L		09/22/22 16:48	
<b>92622414015</b>	<b>PZ-17</b>					
EPA 9315	Radium-226	0.217 ± 0.134 (0.213) C:83% T:NA	pCi/L		09/22/22 08:41	
EPA 9320	Radium-228	0.763 ± 0.527 (1.02) C:74% T:92%	pCi/L		09/13/22 19:25	
Total Radium Calculation	Total Radium	0.980 ± 0.661 (1.23)	pCi/L		09/22/22 16:48	
<b>92622414016</b>	<b>PZ-23A</b>					
EPA 9315	Radium-226	0.132 ± 0.105 (0.181) C:86% T:NA	pCi/L		09/22/22 08:12	
EPA 9320	Radium-228	0.264 ± 0.368 (0.786) C:77% T:89%	pCi/L		09/13/22 18:43	
Total Radium Calculation	Total Radium	0.396 ± 0.473 (0.967)	pCi/L		09/22/22 16:48	
<b>92622414017</b>	<b>PZ-7D</b>					
EPA 9315	Radium-226	0.0294 ± 0.0630 (0.148) C:86% T:NA	pCi/L		09/22/22 08:13	
EPA 9320	Radium-228	0.742 ± 0.493 (0.926) C:72% T:86%	pCi/L		09/13/22 18:43	
Total Radium Calculation	Total Radium	0.771 ± 0.556 (1.07)	pCi/L		09/22/22 16:48	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92622414018</b>	<b>PZ-14</b>					
EPA 9315	Radium-226	0.00925 ± 0.0751 (0.199) C:90% T:NA	pCi/L		09/22/22 08:14	
EPA 9320	Radium-228	0.444 ± 0.433 (0.889) C:79% T:92%	pCi/L		09/13/22 18:43	
Total Radium Calculation	Total Radium	0.453 ± 0.508 (1.09)	pCi/L		09/22/22 16:48	
<b>92622414019</b>	<b>EB-01</b>					
EPA 9315	Radium-226	0.0271 ± 0.0875 (0.217) C:78% T:NA	pCi/L		09/22/22 08:14	
EPA 9320	Radium-228	0.548 ± 0.457 (0.907) C:74% T:87%	pCi/L		09/13/22 18:44	
Total Radium Calculation	Total Radium	0.575 ± 0.545 (1.12)	pCi/L		09/22/22 16:48	
<b>92622414020</b>	<b>PZ-57</b>					
EPA 9315	Radium-226	0.135 ± 0.117 (0.219) C:87% T:NA	pCi/L		09/22/22 08:14	
EPA 9320	Radium-228	0.353 ± 0.354 (0.732) C:80% T:87%	pCi/L		09/21/22 15:04	
Total Radium Calculation	Total Radium	0.488 ± 0.471 (0.951)	pCi/L		09/22/22 16:48	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-1D**      **Lab ID: 92622406005**      Collected: 08/24/22 11:35      Received: 08/25/22 09:40      Matrix: Water  
PWS:      Site ID:      Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0152 ± 0.0651 (0.168)</b> <b>C:89% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.181 ± 0.549 (1.24)</b> <b>C:71% T:82%</b>	pCi/L	09/13/22 16:10	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.196 ± 0.614 (1.41)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: FD-01**      **Lab ID: 92622406006**      Collected: 08/24/22 00:00      Received: 08/25/22 09:40      Matrix: Water  
PWS:      Site ID:      Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>0.0157 ± 0.0669 (0.172)</b> <b>C:94% T:NA</b>	pCi/L	09/22/22 19:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.131 ± 0.246 (0.540)</b> <b>C:76% T:86%</b>	pCi/L	10/04/22 12:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.147 ± 0.313 (0.712)</b>	pCi/L	10/05/22 16:55	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: PZ-31</b> <b>Lab ID: 92622406007</b> Collected: 08/24/22 14:00      Received: 08/25/22 09:40      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0843 ± 0.0839 (0.158)</b> <b>C:93% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.697 ± 0.607 (1.23)</b> <b>C:70% T:88%</b>	pCi/L	09/13/22 16:10	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.781 ± 0.691 (1.39)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-33**      **Lab ID: 92622406008**      Collected: 08/24/22 15:45      Received: 08/25/22 09:40      Matrix: Water  
PWS:      Site ID:      Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>0.0107 ± 0.0845 (0.220)</b> <b>C:84% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.753 ± 0.662 (1.35)</b> <b>C:69% T:89%</b>	pCi/L	09/13/22 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.764 ± 0.747 (1.57)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: FB-01**      **Lab ID: 92622414006**      Collected: 08/24/22 10:00      Received: 08/25/22 14:47      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	<b>-0.0245 ± 0.0516 (0.174)</b> <b>C:88% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.463 ± 0.672 (1.45)</b> <b>C:72% T:75%</b>	pCi/L	09/13/22 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.463 ± 0.724 (1.62)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: PZ-2D</b> <b>Lab ID: 92622414007</b> Collected: 08/24/22 11:32      Received: 08/25/22 14:47      Matrix: Water PWS:      Site ID:      Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>-0.00215 ± 0.0602 (0.171)</b> <b>C:91% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.0268 ± 0.601 (1.39)</b> <b>C:74% T:80%</b>	pCi/L	09/13/22 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.0268 ± 0.661 (1.56)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-32**      **Lab ID: 92622414008**      Collected: 08/24/22 14:10      Received: 08/25/22 14:47      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	<b>0.0960 ± 0.102 (0.206)</b> <b>C:91% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.246 ± 0.478 (1.05)</b> <b>C:75% T:92%</b>	pCi/L	09/13/22 16:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.342 ± 0.580 (1.26)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-25**      **Lab ID: 92622414009**      Collected: 08/24/22 15:45      Received: 08/25/22 14:47      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	<b>0.205 ± 0.130 (0.208)</b> <b>C:85% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.559 ± 0.363 (0.683)</b> <b>C:79% T:90%</b>	pCi/L	09/13/22 16:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.764 ± 0.493 (0.891)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-19**      **Lab ID: 92622414010**      Collected: 08/25/22 10:28      Received: 08/26/22 10:00      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	<b>0.148 ± 0.118 (0.207)</b> <b>C:77% T:NA</b>	pCi/L	09/22/22 09:17	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.789 ± 0.405 (0.693)</b> <b>C:74% T:86%</b>	pCi/L	09/13/22 16:48	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.937 ± 0.523 (0.900)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-16**      **Lab ID: 92622414011**      Collected: 08/25/22 12:12      Received: 08/26/22 10:00      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	<b>0.202 ± 0.137 (0.237)</b> <b>C:89% T:NA</b>	pCi/L	09/22/22 08:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.526 ± 0.405 (0.792)</b> <b>C:76% T:80%</b>	pCi/L	09/13/22 16:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.728 ± 0.542 (1.03)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-15**      **Lab ID: 92622414012**      Collected: 08/25/22 14:08      Received: 08/26/22 10:00      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	<b>0.115 ± 0.115 (0.228)</b> <b>C:83% T:NA</b>	pCi/L	09/22/22 08:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.934 ± 0.453 (0.784)</b> <b>C:79% T:88%</b>	pCi/L	09/13/22 16:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.05 ± 0.568 (1.01)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: FD-02</b> <b>Lab ID: 92622414013</b> Collected: 08/25/22 00:00      Received: 08/26/22 10:00      Matrix: Water PWS:      Site ID:      Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>0.0573 ± 0.0802 (0.171)</b> <b>C:87% T:NA</b>	pCi/L	09/22/22 08:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.771 ± 0.533 (1.05)</b> <b>C:71% T:90%</b>	pCi/L	09/13/22 16:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.828 ± 0.613 (1.22)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-18**      **Lab ID: 92622414014**      Collected: 08/25/22 10:35      Received: 08/26/22 10:00      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	<b>0.0434 ± 0.0826 (0.190)</b> <b>C:88% T:NA</b>	pCi/L	09/22/22 08:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>-0.0394 ± 0.528 (1.21)</b> <b>C:71% T:91%</b>	pCi/L	09/13/22 16:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.0434 ± 0.611 (1.40)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-17**      **Lab ID: 92622414015**      Collected: 08/25/22 12:10      Received: 08/26/22 10:00      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	<b>0.217 ± 0.134 (0.213)</b> <b>C:83% T:NA</b>	pCi/L	09/22/22 08:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.763 ± 0.527 (1.02)</b> <b>C:74% T:92%</b>	pCi/L	09/13/22 19:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.980 ± 0.661 (1.23)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-23A**      **Lab ID: 92622414016**      Collected: 08/25/22 16:08      Received: 08/26/22 10:00      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	<b>0.132 ± 0.105 (0.181)</b> <b>C:86% T:NA</b>	pCi/L	09/22/22 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.264 ± 0.368 (0.786)</b> <b>C:77% T:89%</b>	pCi/L	09/13/22 18:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.396 ± 0.473 (0.967)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-7D**      **Lab ID: 92622414017**      Collected: 08/25/22 14:10      Received: 08/26/22 10:00      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	<b>0.0294 ± 0.0630 (0.148)</b> <b>C:86% T:NA</b>	pCi/L	09/22/22 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.742 ± 0.493 (0.926)</b> <b>C:72% T:86%</b>	pCi/L	09/13/22 18:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.771 ± 0.556 (1.07)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-14**      **Lab ID: 92622414018**      Collected: 08/25/22 16:00      Received: 08/26/22 10:00      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	<b>0.00925 ± 0.0751 (0.199)</b> <b>C:90% T:NA</b>	pCi/L	09/22/22 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.444 ± 0.433 (0.889)</b> <b>C:79% T:92%</b>	pCi/L	09/13/22 18:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.453 ± 0.508 (1.09)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: EB-01**      **Lab ID: 92622414019**      Collected: 08/26/22 09:15      Received: 08/27/22 11:15      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	<b>0.0271 ± 0.0875 (0.217)</b> <b>C:78% T:NA</b>	pCi/L	09/22/22 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.548 ± 0.457 (0.907)</b> <b>C:74% T:87%</b>	pCi/L	09/13/22 18:44	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.575 ± 0.545 (1.12)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

**Sample: PZ-57**      **Lab ID: 92622414020**      Collected: 08/26/22 11:20      Received: 08/27/22 11:15      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	<b>0.135 ± 0.117 (0.219)</b> <b>C:87% T:NA</b>	pCi/L	09/22/22 08:14	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.353 ± 0.354 (0.732)</b> <b>C:80% T:87%</b>	pCi/L	09/21/22 15:04	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.488 ± 0.471 (0.951)</b>	pCi/L	09/22/22 16:48	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

---

QC Batch:	530231	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92622406005, 92622406007, 92622406008, 92622414006, 92622414007, 92622414008, 92622414009, 92622414010, 92622414011, 92622414012, 92622414013, 92622414014, 92622414015, 92622414016, 92622414017, 92622414018, 92622414019

---

METHOD BLANK:	2572179	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 92622406005, 92622406007, 92622406008, 92622414006, 92622414007, 92622414008, 92622414009, 92622414010, 92622414011, 92622414012, 92622414013, 92622414014, 92622414015, 92622414016, 92622414017, 92622414018, 92622414019

---

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.284 ± 0.356 (0.756) C:78% T:91%	pCi/L	09/13/22 16:45	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

QC Batch: 530874	Analysis Method: EPA 9315
QC Batch Method: EPA 9315	Analysis Description: 9315 Total Radium
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92622406006

METHOD BLANK: 2574652 Matrix: Water

Associated Lab Samples: 92622406006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0646 ± 0.0850 (0.178) C:94% T:NA	pCi/L	09/22/22 19:40	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

QC Batch: 535739

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92622406006

METHOD BLANK: 2599416

Matrix: Water

Associated Lab Samples: 92622406006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0371 ± 0.270 (0.626) C:74% T:89%	pCi/L	10/04/22 12:22	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

QC Batch: 530329

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92622406005, 92622406007, 92622406008, 92622414006, 92622414007, 92622414008, 92622414009, 92622414010, 92622414011, 92622414012, 92622414013, 92622414014, 92622414015, 92622414016, 92622414017, 92622414018, 92622414019, 92622414020

METHOD BLANK: 2572345

Matrix: Water

Associated Lab Samples: 92622406005, 92622406007, 92622406008, 92622414006, 92622414007, 92622414008, 92622414009, 92622414010, 92622414011, 92622414012, 92622414013, 92622414014, 92622414015, 92622414016, 92622414017, 92622414018, 92622414019, 92622414020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0390 ± 0.0730 (0.167) C:93% T:NA	pCi/L	09/22/22 09:17	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

QC Batch: 530871

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92622414020

METHOD BLANK: 2574648

Matrix: Water

Associated Lab Samples: 92622414020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.757 ± 0.340 (0.552) C:80% T:96%	pCi/L	09/21/22 11:51	

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

### REPORT OF LABORATORY ANALYSIS

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

## QUALIFIERS

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

---

### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell 2022 2nd SA RAD-Revised Report  
Pace Project No.: 92622414

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92622406005	PZ-1D	EPA 9315	530329		
92622406006	FD-01	EPA 9315	530874		
92622406007	PZ-31	EPA 9315	530329		
92622406008	PZ-33	EPA 9315	530329		
92622414006	FB-01	EPA 9315	530329		
92622414007	PZ-2D	EPA 9315	530329		
92622414008	PZ-32	EPA 9315	530329		
92622414009	PZ-25	EPA 9315	530329		
92622414010	PZ-19	EPA 9315	530329		
92622414011	PZ-16	EPA 9315	530329		
92622414012	PZ-15	EPA 9315	530329		
92622414013	FD-02	EPA 9315	530329		
92622414014	PZ-18	EPA 9315	530329		
92622414015	PZ-17	EPA 9315	530329		
92622414016	PZ-23A	EPA 9315	530329		
92622414017	PZ-7D	EPA 9315	530329		
92622414018	PZ-14	EPA 9315	530329		
92622414019	EB-01	EPA 9315	530329		
92622414020	PZ-57	EPA 9315	530329		
92622406005	PZ-1D	EPA 9320	530231		
92622406006	FD-01	EPA 9320	535739		
92622406007	PZ-31	EPA 9320	530231		
92622406008	PZ-33	EPA 9320	530231		
92622414006	FB-01	EPA 9320	530231		
92622414007	PZ-2D	EPA 9320	530231		
92622414008	PZ-32	EPA 9320	530231		
92622414009	PZ-25	EPA 9320	530231		
92622414010	PZ-19	EPA 9320	530231		
92622414011	PZ-16	EPA 9320	530231		
92622414012	PZ-15	EPA 9320	530231		
92622414013	FD-02	EPA 9320	530231		
92622414014	PZ-18	EPA 9320	530231		
92622414015	PZ-17	EPA 9320	530231		
92622414016	PZ-23A	EPA 9320	530231		
92622414017	PZ-7D	EPA 9320	530231		
92622414018	PZ-14	EPA 9320	530231		
92622414019	EB-01	EPA 9320	530231		
92622414020	PZ-57	EPA 9320	530871		
92622406005	PZ-1D	Total Radium Calculation	534819		
92622406006	FD-01	Total Radium Calculation	537741		
92622406007	PZ-31	Total Radium Calculation	534819		
92622406008	PZ-33	Total Radium Calculation	534819		
92622414006	FB-01	Total Radium Calculation	534819		
92622414007	PZ-2D	Total Radium Calculation	534819		

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell 2022 2nd SA RAD-Revised Report

Pace Project No.: 92622414

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92622414008	PZ-32	Total Radium Calculation	534819		
92622414009	PZ-25	Total Radium Calculation	534819		
92622414010	PZ-19	Total Radium Calculation	534819		
92622414011	PZ-16	Total Radium Calculation	534819		
92622414012	PZ-15	Total Radium Calculation	534819		
92622414013	FD-02	Total Radium Calculation	534819		
92622414014	PZ-18	Total Radium Calculation	534819		
92622414015	PZ-17	Total Radium Calculation	534819		
92622414016	PZ-23A	Total Radium Calculation	534819		
92622414017	PZ-7D	Total Radium Calculation	534819		
92622414018	PZ-14	Total Radium Calculation	534819		
92622414019	EB-01	Total Radium Calculation	534819		
92622414020	PZ-57	Total Radium Calculation	534819		

### REPORT OF LABORATORY ANALYSIS

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



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer:

IR Gun ID: 083

Type of Ice:  Wet  Blue  None

Cooler Temp: 5.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 5.8

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92622414

Proje

PM: NMG

Due Date: 09/16/22

CLIENT: GA-GA Power

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-10 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-10 mL VOA Unpreserved (N/A)	DG9V-10 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BPIN  
2  
2  
2  
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.

Page 11 of 12

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.pacelabs.com/hubs/ipas-standard-terms.pdf>

Section A Required Client Information: Company: Wood Est (GA Power) Address: 1075 Big Shanty Road Suite 100 Kennesaw, GA 30144 Email: daniel.howard@woodpc.com Phone: (770)421-3382 Fax: Requested Due Date: Standard

Section B Required Project Information: Report To: Daniel Howard Copy To: Rhonda Quinn, Michelle Parker Purchase Order #: Mitchell 2022 2nd SA Project Name: Project #: 612916070.2202

Section C Invoice Information: Attention: Company Name: Address: Pace Quote Pace Project Manager: nicole.doleo@pacelabs.com Face Profile #: 10834

Regulatory Agency: State/Location: GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH	
				START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
13	MIT-PZ-ID-WG-20220824	WT			8/24/22 1:35	5	X	X	X	X	X	X	X	X	X	X	X	X	PH = 7.49
14	MIT-APAR-FD-001-WG-20220824	WT			8/24/22 -	5	X	X	X	X	X	X	X	X	X	X	X	X	PH = 7.49
15	MIT-PZ-31-WG-20220824	WT			8/24/22 14:00	5	X	X	X	X	X	X	X	X	X	X	X	X	PH = 7.04
16	MIT-PZ-33-WG-20220824	WT			8/24/22 15:45	5	X	X	X	X	X	X	X	X	X	X	X	X	PH = 7.15
17		WT																	
18		WT																	
19		WT																	
20		WT																	
21		WT																	
22		WT																	
23		WT																	
24		WT																	

ADDITIONAL COMMENTS: RELINQUISHED BY: Daniel Howard Wood 8/24/22 1800 ACCEPTED BY: Daniel Howard 8/24/22 0940

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: Daniel Howard LEVER Guilen DATE Signed: 8/24/22



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #

WO#: 92622414

PM: NMG

Due Date: 09/16/22

CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

812133944981

Date/Initials Person Examining Contents: 5/25/22

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:

5.9

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):

5.9

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

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

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Project **WO# : 92622414**

PM: NMG

Due Date: 09/16/22

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	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) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(C-)	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)	DG9S-40 mL VOA H2SO4 (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)	AG9U-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/ub/sf/ps-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

Page: 1 of 1

**Section A**

**Requested Client Information:**  
 Company: Wood Est (GA Power)  
 Address: 1075 Big Shanty Road  
 Suite 100 Kennesaw GA 30144  
 Email: daniel.howard2@pacelabs.com  
 Phone: (770)421-3382 Fax:  
 Requested Due Date: **Standard**

**Section B**

**Requested Project Information:**  
 Report To: Daniel Howard  
 Copy To: **Rhonda King**  
**Michelle Barker**  
 Purchase Order #:  
 Project Name: **Milche 2022 2nd SA**  
 Project #: **612216070.2202**

**Section C**

**Invoice Information:**  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote  
 Pace Project Manager: nicole.d'eleo@pacelabs.com  
 Pace Profile #: 10894

**Regulatory Agency**  
 State / Location: **GA**

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test			Residual Chlorine (Y/N)	Other	
						START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Y/N	Y/N			Y/N
1	MIT-A2A12-FB-DI-WG-3030824	Water	WT						5 X	X	X	X	X	X	X	X	X	X				
2	MIT-PZ-20-WG-20220824	Water	WT						5 X	X	X	X	X	X	X	X	X	X				
3	MIT-PZ-32-WG-20220824	Water	WT						5 X	X	X	X	X	X	X	X	X	X				
4	MIT-PZ-25-WG-20220824	Water	WT						5 X	X	X	X	X	X	X	X	X	X				
5		Water	WT																			
6		Water	WT																			
7		Water	WT																			
8		Water	WT																			
9		Water	WT																			
10		Water	WT																			
11		Water	WT																			
12		Water	WT																			

RELINQUISHED BY / AFFILIATION: **Daniel Howard Wood** DATE: **8/24/22** TIME: **1500**

ACCEPTED BY / AFFILIATION: **Charles Hunt** DATE: **8/25/22** TIME: **1447**

pH = 8.01  
 pH = 7.34  
 pH = 7.10

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: **Daniel Howard / Ever G Miller**

SIGNATURE of SAMPLER: *Daniel Howard / Ever G Miller* DATE Signed: **8/24/22**

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project NO#: 92622414  
PM: NMG Due Date: 09/16/22  
CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other:

Custody Seal Present?  Yes  No 81219394 4742  
Seals Intact?  Yes  No 81219394 4753

Date/Initials Person Examining Contents: 8/26/22  
CJR

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  
81219394 5028

Cooler Temp: 4.8/5.1/5.4  
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): 4.8/5.1/5.4

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_





DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

**WO# : 92622414**

PM: NMG

Due Date: 09/16/22

CLIENT: GA-GA Power

\*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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubs/pas-standard-terms.pdf.

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A  
 Required Client Information:  
 Company: Wood 881 (GA Power)  
 Address: 1075 Big Shanty Road  
 Suite 100 Kennesaw, GA 30144  
 Email: daniel.howard2@woodpc.com  
 Phone: (770)421-3382  
 Requested Due Date: Standard

Section B  
 Required Project Information:  
 Report To: Daniel Howard  
 Copy To: Michelle Spink  
 Purchase Order #: Mitchell 2022 2nd SA  
 Project Name: 1127600701 2207  
 Project #: 1127600701 2207

Section C  
 Invoice Information:  
 Attention: Michelle Spink  
 Company Name: Pace Quide  
 Address: Pace Project Manager  
 Email: nicole.d@pacelabs.com  
 Phone: 10834

Regulatory Agency: GA  
 State/Location: GA  
 Page: 1 of 1

ITEM #	MATRIX During Water Waste Water Product Spent Oil Wipe Air Other Issue	CODE DW WW P SL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	Preservatives							Analytes Test	Y/N	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	
					DATE	TIME				DATE	TIME	H2SO4	HNO3	HCl	NaOH	Na2S2O3					Methanol
1	MIT-PZ-19-WG-20220825	WT			8/22/22	10:28		5X	X												92622466
2	MIT-PZ-16-WG-20220825	WT			8/25/22	12:12		5X	X												pH = 6.67
3	MIT-PZ-15-WG-20220825	WT			8/25/22	14:08		5X	X												pH = 7.14
4		WT																			pH = 7.15
5		WT																			
6		WT																			
7		WT																			
8		WT																			
9		WT																			
10		WT																			
11		WT																			
12		WT																			

RELINQUISHED BY / AFFILIATION: Daniel Howard / Wood DATE: 8/25/22 TIME: 1810  
 ACCEPTED BY / AFFILIATION: Daniel Howard / Pace DATE: 8/25/22 TIME: 1000

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: Daniel Howard  
 DATE Signed: 8/25/22

TEMP in C  
 Received on ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)

Page

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/subsites/pace-standard-terms.pdf>

**Required Client Information:**  
 Company: Wood Est (GA Power) | Address: 1075 Big Shanty Road | Suite 100, Kennesaw, GA 30144 | Email: daniel.howard@pacelabs.com | Phone: (770) 421-3382 | Fax: [blank]  
 Requested Due Date: Standard

**Required Project Information:**  
 Report To: Daniel Howard | Copy To: Nicole Binkler | Purchase Order #: [blank] | Project Name: 612-2160170-2202 | Project #: 612-2160170-2202

**Invoice Information:**  
 Attention: [blank] | Company Name: [blank] | Address: [blank] | Pace Profile #: 10834

**Regulation Agency:**  
 State / Location: GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	PH	
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
1	ED01-MIT-APHA-ED012-WG-20220825	WT	8/25/22	—	5 X	X	X	X	X	X	X	X	X	X	X	X	X	PH = 6.76
2	ED02-MIT-PZ-18-WG-20220825	WT	8/25/22	0835	5 X	X	X	X	X	X	X	X	X	X	X	X	X	PH = 6.76
3	ED03-MIT-PZ-17-WG-20220825	WT	8/25/22	210	5 X	X	X	X	X	X	X	X	X	X	X	X	X	PH = 7.05
4	ED04	WT				X	X	X	X	X	X	X	X	X	X	X		
5	ED05	WT				X	X	X	X	X	X	X	X	X	X	X		
6	ED06	WT				X	X	X	X	X	X	X	X	X	X	X		
7	ED07	WT				X	X	X	X	X	X	X	X	X	X	X		
8	ED08	WT				X	X	X	X	X	X	X	X	X	X	X		
9	ED09	WT				X	X	X	X	X	X	X	X	X	X	X		
10	ED10	WT				X	X	X	X	X	X	X	X	X	X	X		
11	ED11	WT				X	X	X	X	X	X	X	X	X	X	X		
12	ED12	WT				X	X	X	X	X	X	X	X	X	X	X		

**ADDITIONAL COMMENTS:**  
 RELINQUISHED BY / AFFILIATION: Daniel Howard / Wood Est DATE: 8/25/22 TIME: 1810  
 ACCEPTED BY / AFFILIATION: Charles Peak DATE: 8/25/22 TIME: 1000

**SAMPLER NAME AND SIGNATURE:**  
 PRINT Name of SAMPLER: Daniel Howard / Ever Giller  
 SIGNATURE OF SAMPLER: [Signature] DATE Signed: 8/25/22

TEMP in C: [blank]  
 Received on Ice (Y/N): [blank]  
 Custody Sealed Cooler (Y/N): [blank]  
 Samples Intact (Y/N): [blank]

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/subs/pas-standard-terms.pdf

Section B

Required Client Information:
Company: Wood Est (GA Power)
Address: 1075 Big Shanty Road
Suite 100, Kennesaw, GA 30144

Section C

Required Project Information:
Report To: Daniel Howard
Project Name: Mitchell 2022 2nd SA
Purchase Order #: Pace Project Manager

Section D

Invoice Information:
Attention:
Company Name: Pace Quide
Address: Pace Project Manager
Pace Profile #: 10834

Regulatory Agency:
State / Location: GA

Page: 1 of 1

Main table with columns: ITEM #, MATRIX CODE, SAMPLE TYPE, DATE, TIME, ANALYSES TEST (CI, F, SO4, TDS, App III/IV Metals, RAD 9315/9320, Residual Chlorine), MATRICES, and ADDITIONAL COMMENTS. Includes handwritten data for items 13, 14, 15, and 16.

Sampler Name and Signature section containing fields for name, signature, date, and temperature, with handwritten entries for Daniel Howard and Ever Guillen.



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92622414

PM: NMG

Due Date: 09/16/22

CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

81219394 5017

Date/Initials Person Examining Contents:

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?

Thermometer:

Yes  No  N/A

IR Gun ID:

230

Type of Ice:

Wet  Blue  None

Cooler Temp:

3.8

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):

3.8

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

pH Strip Lot# 10D4611

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



Effective Date: 05/12/2022

WO#: 92622414

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

Project #

PM: NMG

Due Date: 09/16/22

ceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, L/Hg

CLIENT: GA-GA Power

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

\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - (als)	SP2T-250 mL Sterile Plastic (N/A - (als)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BPIN  
244

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)

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: Wood Est (GA Power) Address: 1075 Big Shanty Road Suite 100, Kennesaw, GA 30144 Email: daniel.howard@pacelabs.com Phone: (770)421-3382 Requested Due Date: Standard

Section B Required Project Information: Report To: Daniel Howard Copy To: Rhonda Quinn, Michelle Barker Purchase Order #: Project Name: Mitchell 2022 2nd SA Project #: 6122160170.2202

Section C Invoice Information: Attention: Company Name: Address: Pace Quote: Pace Project Manager: nicole.d@pacelabs.com Pace Profile #: 10834 Requested Analysis Filtered (Y/N): GA

Regulatory Agency: State / Location: Page: 1 of 1

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Residual Chlorine (Y/N)	pH			
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	C, F, SO4	TDS
1	MIT-APPAN-EB-01-WA-20220826	WT	8/16/22	0915		5	X	X											
2	MIT-PZ-57- <del>MIT</del> ENVG-20220826	WT	8/24/22	1120		5	X	X											
3		WT																	
4		WT																	
5		WT																	
6		WT																	
7		WT																	
8		WT																	
9		WT																	
10		WT																	
11		WT																	
12		WT																	

ADDITIONAL COMMENTS: Relinquished by Affiliation: Daniel Howard Wood 8/16/22 1600 Accepted by Affiliation: Emily Spake 8/17/22 1115

SAMPLER NAME AND SIGNATURE: Daniel Howard  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: [Signature]  
 DATE Signed: 8/26/22

TEMP in C: \_\_\_\_\_  
 Received on Ice (Y/N): \_\_\_\_\_  
 Custody Sealed Cooler (Y/N): \_\_\_\_\_  
 Samples intact (Y/N): \_\_\_\_\_

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 17 of 17

Client Information: Wood Es&I (GA Power) 1075 Big Shanty Road Marietta, GA 30144 mel.howard@woodpe.com (770)821-3380		Required Project Information: Report To: Daniel Howard Copy To: <b>Meghna Swann</b> <b>Michelle Barker</b> Purchase Order #: Project Name: Mitchell 2022 2nd SWA Project #: <b>6123160170.2202</b>		Attention: Company Name Address Pace Project Manager: jacqueline.dole@pace-labs.com Pace Profile #: 10834		Requested Analysis Interval (Y/N)		Regulatory Agency State/Location: GA	
SAMPLE ID One Character per box. (A-Z, 0-9 / -)									
SAMPLE ID MATRIX CODE (see valid codes to left)									
SAMPLE TYPE (G=GRAB C=COMP)									
DATE		TIME		DATE		TIME		SAMPLE TEMP AT COLLECTION	
START		END		START		END		SAMPLE TEMP AT COLLECTION	
# OF CONTAINERS Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other									
Preservatives									
Analyses Test Y/N									
Cl, F, SO4 TDS App III/IV Metals RAD 9315/9320									
Residual Chlorine (Y/N)									
PH=7.49 PH=7.49 PH=7.04 PH=7.10									
ADDITIONAL COMMENTS Daniel Howard/Wood 8/24/22 1800									
RELINQUISHED BY / AFFILIATION					ACCEPTED BY / AFFILIATION				
DATE					DATE				
TIME					TIME				
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Daniel Howard / Ever Swann SIGNATURE of SAMPLER: <i>Daniel Howard</i> DATE Signed: 8/24/22									
TEMP in C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)									



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.pacelabs.com/ul/srps-standard-terms.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Client Information: **Report To** Daniel Howard  
**Company Name** **Address:**  
 1075 Big Shanty Road  
 Kennesaw, GA 30144  
**Phone** (770) 331-3302  
**Fax**  
 daniel.howard@pacoil.com  
**Project Name** Mitchell 2022 2nd SIA  
**Project #** 6122160170.2202  
**State / Location** GA  
**Invoice Information:**  
**Customer Name** Daniel Howard  
**Address:**  
 1075 Big Shanty Road  
 Kennesaw, GA 30144  
**Phone** (770) 331-3302  
**Invoice Profile #** 10834  
**Requested Analysis Filtered (Y/N)**

SAMPLE ID One Character per box. (A-Z, 0-9, '-', '+')	Matrix	Scale	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Residual Chlorine (Y/N)					
			START	END					Unpreserved	H2SO4	HNO3	HC1	NaOH	Na2S2O8	Methanol			Other	Y/N			
PZ-19	WG	WT	8/23/22	10:28			5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PZ-16	WG	WT	8/23/22	12:12			5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PZ-15	WG	WT	8/23/22	1:40:08			5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

PH = 6.67  
 PH = 7.14  
 PH = 7.15

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Daniel Howard / W oad	8/23/22	18:10			

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: *[Signature]*

**SAMPLE CONDITIONS**

Received in ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

**TEMP in C**

DATE Signed: 8/23/22

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/terms-conditions/standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Client Information: Wood E 81 (GA Power) 1075 Big Shanty Road Kennesaw, GA 30144  
 Report to: Daniel Howard  
 Copy To: **Michelle Quinn**  
 Purchase Order #: **Michelle Barker**  
 Project Name: **Michelle 2022 2nd SA**  
 Project #: **6122160170.2202**  
 Attention: **Michelle Quinn**  
 Company Name: **Michelle Quinn**  
 Address: **Michelle Quinn**  
 Piece Quote: **Michelle Quinn**  
 Piece Project Manager: **Michelle Quinn**  
 Piece Profile #: **10934**  
 Regulatory Agency: **GA**  
 State / Location: **GA**

Section B  
 Required Project Information:  
 Section C  
 Invoice Information:  
 Page: 1 of 1

**SAMPLE ID**  
 One Character per box.  
 (A-Z, 0-9 / - )  
 Sample IDs must be unique

MATRIX CODE (see valid codes to left)  
 SAMPLE TYPE (G=GRAB C=COMP)

SAMPLE ID	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH	
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
FB-01	WT	WT	8/24/22	1800		5	X	X	X	X	X	X	X	X	X	X	X	PH = 8.01
PZ-2D	WT	WT	8/24/22	1800		5	X	X	X	X	X	X	X	X	X	X	X	PH = 7.34
PZ-32	WT	WT	8/24/22	1800		5	X	X	X	X	X	X	X	X	X	X	X	PH = 7.10
PZ-25	WT	WT	8/24/22	1800		5	X	X	X	X	X	X	X	X	X	X	X	
PZ-24	WT	WT																
PZ-23	WT	WT																
PZ-22	WT	WT																
PZ-21	WT	WT																
PZ-20	WT	WT																
PZ-19	WT	WT																
PZ-18	WT	WT																
PZ-17	WT	WT																
PZ-16	WT	WT																
PZ-15	WT	WT																
PZ-14	WT	WT																
PZ-13	WT	WT																
PZ-12	WT	WT																
PZ-11	WT	WT																
PZ-10	WT	WT																
PZ-09	WT	WT																
PZ-08	WT	WT																
PZ-07	WT	WT																
PZ-06	WT	WT																
PZ-05	WT	WT																
PZ-04	WT	WT																
PZ-03	WT	WT																
PZ-02	WT	WT																
PZ-01	WT	WT																

RELINQUISHED BY / AFFILIATION: **Daniel Howard / Wood E 81** DATE: **8/24/22** TIME: **1800**  
 ACCEPTED BY / AFFILIATION: **Daniel Howard** DATE: **8/24/22** TIME: **1800**  
 SAMPLER NAME AND SIGNATURE: **Daniel Howard**  
 PRINT Name of SAMPLER: **Daniel Howard**  
 SIGNATURE of SAMPLER: **Daniel Howard**  
 DATE Signed: **8/24/22**  
 TEMP in C:   
 Received on Ice (Y/N):   
 Custody Sealed Cooler (Y/N):   
 Samples Intact (Y/N):

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/terms-conditions>.

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Client Information:**  
 Wood Exl (GA Power)  
 1415 Big Shanty Road  
 Kenneway, GA 30134  
 Email: woodexl@pacelabs.com  
 Phone: (770) 421-3382  
 Fax: 570-461-5700  
 Due Date: 8/22/22

**Requested Project Information:**  
 Request to: Daniel Howard  
 Copy To: Rachel Quinn, Michelle Barker  
 Purchase Order #: 6123160170.2202  
 Project Name: Mitchell 2022 2nd SA  
 Project #: 6123160170.2202

**Attention:** Daniel Howard  
**Company Name:** Wood Exl  
**Address:** Wood Exl  
**State:** Georgia  
**City:** Kenneway  
**Zip:** 30134  
**Phone:** 770-421-3382  
**Fax:** 570-461-5700  
**Email:** woodexl@pacelabs.com

**Requested Analysis Filtered (Y/N)**  
 Cl, F, SC4  
 TDS  
 App III/IV Metals  
 RAD 9315/9320

**Regulatory Agency:** GA  
**State Location:** GA

**SAMPLE ID**  
 One Character per box.  
 (A-Z, 0-9, /, -)  
 Sample IDs must be unique

**BATTERY**  
 Thinking Water  
 Waste Water  
 Wastewater  
 Industrial  
 Soil/Sludge  
 On Site  
 Air  
 Other  
 Tissue

**CONTAINER**  
 EW  
 WWT  
 WWT  
 BL  
 DI  
 VAP  
 AR  
 OF  
 TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMP. TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH				
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					Cl, F, SC4	TDS	App III/IV Metals	RAD 9315/9320
F-D-02	WG	WG	8/22/22	1035	5	X	X	X								X	X	X			PH = 6.76	
PZ-18	WG	WG	8/22/22	1035	5	X	X	X								X	X	X			PH = 6.76	
PZ-17	WG	WG	8/22/22	1210	5	X	X	X								X	X	X			PH = 7.05	
		WT																				
		WT																				
		WT																				
		WT																				

**ADDITIONAL COMMENTS:**  
 Daniel Howard / Wood 8/22/22 1810

**RELINQUISHED BY / AFFILIATION:**  
 Daniel Howard / Wood

**DATE:** 8/22/22

**TIME:** 1810

**ACCEPTED BY / AFFILIATION:**  
 Daniel Howard / Ever-Gillean

**DATE SIGNED:** 8/25/22

**SAMPLER NAME AND SIGNATURE:**  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: Daniel Howard

**TEMP IN C:**  
 Received on Ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/info/pace-standard-terms.pdf>.

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information: **Section B** Required Project Information: **Section B** Invoice Information: **Section C** Page:      OF     

Wound Fall (GA Power) 1075 Big Shanty Road Kennesaw, GA 30144 770-421-3292 Project # <u>Standards</u>	Report To: Daniel Howard Copy To: <u>Michael Quinn</u> <u>Michelle Barker</u> Purchase Order # Project Name: Mitchell 2022 2nd SA Project # <u>6122160170.2202</u>	Attention: <u>Michelle Barker</u> Company Name: Address: City/State: Purchase Order # <u>10834</u>	Requested Analysis Filtered (Y/N)	Regulatory Agency State / Location: <u>GA</u>
---	---	--	-----------------------------------	--

**SAMPLE ID**  
One Character per box.  
(A-Z, 0-9, -)  
Sample Ids must be unique

MATRIX CODE (see valid codes to left)  
SAMPLE TYPE (G=GRAB C=COMP)

SAMPLE ID	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	PH
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					
PZ-23A	8/24/22	1608	8/24/22	1608		5	X												PH = 6.76
PZ-7D	8/24/22	1410	8/24/22	1410		5	X												PH = 6.98
PZ-14	8/24/22	1600	8/24/22	1600		5	X												PH = 6.93
WT																			

RELINQUISHED BY / AFFILIATION <u>Daniel Howard/Wood</u>	DATE <u>8/25/22</u>	TIME <u>1810</u>	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SAMPLER NAME AND SIGNATURE			SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER: <u>Daniel Howard</u>			PRINT Name of SAMPLER: <u>Ever Gilman</u>						
SIGNATURE of SAMPLER: <u>Daniel Howard</u>			SIGNATURE of SAMPLER: <u>Ever Gilman</u>						
DATE Signed: <u>8/25/22</u>			DATE Signed: <u>8/25/22</u>						

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.parcels.com/hubs/jsp/standard-terms.pdf>

**CHAIN-OF-CUSTODY / Analytical Request Document**

**Section B**

**Section C**

**Client Information:**  
 Wood E&B (CA Provoc) 1075 Big Shanty Road Kennesaw, GA 30144  
 Daniel Howard  
 Requested Project Information:  
 Report To: Daniel Howard  
 Copy To: Rhonda King, Michelle Barker  
 Purchase Order #: Mitchell 5022 2nd St A  
 Project Name: Mitchell 5022 2nd St A  
 Project #: 6122160170.2202  
 Date: Standard

**Attention:**  
 Company Name: Address: City: State: Zip: Parcel Project Manager: Parcel Profile # 10834

**Regulatory Agency:**  
 State / Location: GA

**Matrix**  
 Volatile Organics (VOC) 100  
 Sulfides 100  
 Non-Halogenated Organics (NHO) 100  
 Halogenated Organics (HCO) 100  
 Pesticides 100  
 PCBs 100  
 Metals (M) 100  
 Inorganics (I) 100  
 Semimetals (S) 100  
 Anions (A) 100  
 Cations (C) 100  
 Trace 100

**Matrix Code:** VOC, S, NHO, HCO, P, PCB, M, I, A, C, T

**SAMPLE ID**  
 One Character per box.  
 (A-Z, 0-9, -, .)  
 Sample IDs must be unique

Matrix	Code	WT	WT	WT	WT	WT
EB-01	WQ	5X	X	X	X	X
PZ-57	WG	5X	X	X	X	X

DATE	TIME	DATE	TIME	DATE	TIME	Preservatives		Analyses Test					Residual Chlorine (Y/N)										
						H2SO4	HNO3	HCl	NaOH	Na2S2O8	Methanol	Other		Cl, F, SO4	TDS	App. H/PV Metals	RAD 9315/9320						
8/26/22	1600	8/26/22	1600																				

**RELINQUISHED BY / AFFILIATION:**  
 Daniel Howard / Wood

**ACCEPTED BY / AFFILIATION:**

**SAMPLER NAME AND SIGNATURE:**  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: Daniel Howard  
 DATE Signed: 8/26/22

**SAMPLE CONDITIONS:**  
 TEMP in C: \_\_\_\_\_  
 Received on Ice (Y/N): \_\_\_\_\_  
 Custody Sealed Cooler (Y/N): \_\_\_\_\_  
 Samples intact (Y/N): \_\_\_\_\_

# Quality Control Sample Performance Assessment

*Analyst Must Manually Enter All Fields Highlighted in Yellow.*

Test: Ra-228  
Analyst: VAL  
Date: 9/7/2022  
Worklist: 66670  
Matrix: WT



Method Blank Assessment	
MB Sample ID	2572179
MB concentration:	0.284
M/B 2 Sigma CSU:	0.356
MB MDC:	0.756
MB Numerical Performance Indicator:	1.56
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	
	LCS66670	N
Count Date:	9/13/2022	LCS66670
Spike I.D.:	22-016	
Decay Corrected Spike Concentration (pCi/mL):	34.342	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.800	
Target Conc. (pCi/L, g, F):	4.291	
Uncertainty (Calculated):	0.210	
Result (pCi/L, g, F):	3.620	
LCSD/LCSD 2 Sigma CSU (pCi/L, g, F):	0.852	
Numerical Performance Indicator:	-1.50	
Percent Recovery:	84.37%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	60%	

Duplicate Sample Assessment	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Sample I.D.:	
Duplicate Sample I.D.:	
Sample Result (pCi/L, g, F):	
Sample Result 2 Sigma CSU (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Are sample and/or duplicate results below RL?	
Duplicate Numerical Performance Indicator:	
Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	
% RPD Limit:	

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

Comments:

*Signature*

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:	8/16/2022	
Sample I.D.:	30516426010	
Sample MS I.D.:	30516426020	
Sample MSD I.D.:	30516426021	
Spike I.D.:	22-016	
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	34.663	
Spike Volume Used in MS (mL):	0.10	
Spike Volume Used in MSD (mL):	0.10	
MS Aliquot (L, g, F):	0.804	
MS Target Conc. (pCi/L, g, F):	4.311	
MSD Aliquot (L, g, F):	0.802	
MSD Target Conc. (pCi/L, g, F):	4.321	
MS Spike Uncertainty (calculated):	0.211	
MSD Spike Uncertainty (calculated):	0.212	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.827	
Sample Matrix Spike Result:	0.716	
Sample Matrix Spike Duplicate Result:	4.507	
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	1.174	
Sample Matrix Spike Duplicate Result:	4.407	
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.190	
MS Numerical Performance Indicator:	-0.889	
MSD Numerical Performance Indicator:	-1.035	
MS Percent Recovery:	85.36%	
MSD Percent Recovery:	82.84%	
MS Status vs Numerical Indicator:	Pass	
MSD Status vs Numerical Indicator:	Pass	
MS Status vs Recovery:	Pass	
MSD Status vs Recovery:	Pass	
MS/MSD Upper % Recovery Limits:	135%	
MS/MSD Lower % Recovery Limits:	60%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	30516426010
Sample MS I.D.:	30516426020
Sample MSD I.D.:	30516426021
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	4.507
Sample Matrix Spike Duplicate Result:	1.174
Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	4.407
Sample Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.190
Duplicate Numerical Performance Indicator:	0.117
Duplicate Numerical Performance Indicator:	2.99%
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	
MS/MSD Duplicate Status vs Numerical Indicator:	Pass
MS/MSD Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

# Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228  
Analyst: VAL  
Date: 9/9/2022  
Worklist: 68728  
Matrix: WT

Method Blank Assessment	
MB Sample ID	2574648
MB concentration:	0.757
MB 2 Sigma CSU:	0.340
MB MDC:	0.552
MB Numerical Performance Indicator:	4.37
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	See Comment*

Laboratory Control Sample Assessment	
LCSID (Y or NJ)	N
LCS68728	LCSD68728
Count Date:	9/21/2022
Spike I.D.:	22-016
Decay Corrected Spike Concentration (pCi/mL):	34,254
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.807
Target Conc. (pCi/L, g, F):	4,245
Uncertainty (Calculated):	0.208
Result (pCi/L, g, F):	4,828
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1,031
Numerical Performance Indicator:	1.09
Percent Recovery:	113.74%
Status vs Numerical Indicator:	N/A
Status vs Recovery:	Pass
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample I.D.:	92623277006
Duplicate Sample I.D.:	92623277006DUP
Sample Result (pCi/L, g, F):	2,215
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.587
Sample Duplicate Result (pCi/L, g, F):	1,505
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.470
Are sample and/or duplicate results below RL?	See Below ##
Duplicate Numerical Performance Indicator:	1.850
Duplicate RPD:	38.13%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Fail**
% RPD Limit:	36%

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

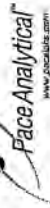
Comments:  
\*The method blank result is below the reporting limit for this analysis and is acceptable.

*Analyst*

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

Matrix Spiker/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 Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Numerical Performance Indicator:	
Matrix Spike Duplicate Recoveries) MS/MSD Duplicate RPD:	
(Based on the Percent Recoveries) 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: VAL  
Date: 9/28/2022  
Worklist: 69055  
Matrix: WT

Method Blank Assessment	
MB Sample ID	2599416
MB concentration:	0.037
MB 2 Sigma CSU:	0.270
MB MDC:	0.626
MB Numerical Performance Indicator:	0.27
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS (Y or N)?	
	LCS69055	LCS269055
Count Date:	10/4/2022	10/4/2022
Spike I.D.:	22-029	22-029
Decay Corrected Spike Concentration (pCi/mL):	19.874	19.874
Volume Used (mL):	0.20	0.20
Aliquot Volume (L, g, F):	0.806	0.805
Target Conc. (pCi/L, g, F):	4.933	4.940
Uncertainty (Calculated):	0.355	0.356
Result (pCi/L, g, F):	4.188	4.442
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.917	0.977
Numerical Performance Indicator:	-1.48	-0.94
Percent Recovery:	84.92%	89.91%
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	Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.:	Sample I.D.:
Duplicate Sample I.D.:	Sample MS I.D.:
Sample Result (pCi/L, g, F):	Sample MSD I.D.:
Sample Result 2 Sigma CSU (pCi/L, g, F):	Sample Matrix Spike Result:
Sample Duplicate Result (pCi/L, g, F):	Sample Matrix Spike Duplicate Result:
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	Sample Matrix Spike Duplicate Result:
Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator:
Duplicate Numerical Performance Indicator:	Duplicate Numerical Performance Indicator:
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	(Based on the Percent Recoveries) MS/MSD Duplicate RPD:
Duplicate Status vs Numerical Indicator:	MS/MSD Duplicate Status vs Numerical Indicator:
Duplicate Status vs RPD:	MS/MSD Duplicate Status vs RPD:
% RPD Limit:	% RPD Limit:

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

Comments:

*[Handwritten signature]*

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.:		
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:		



# Quality Control Sample Performance Assessment

Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226  
Analyst: RMS  
Date: 9/7/2022  
Worklist: 68700  
Matrix: DW



Method Blank Assessment	
MB Sample ID	2572345
MB Concentration:	0.039
MB Counting Uncertainty:	0.073
MB MDC:	0.167
MB Numerical Performance Indicator:	1.05
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCS(Y or N)?	Y
Count Date:	9/22/2022	LCS68700	
Spike I.D.:	19-033	LCS68700	
Decay Corrected Spike Concentration (pCi/mL):	24.023		19-033
Volume Used (mL):	0.10		24.023
Aliquot Volume (L, g, F):	0.503		0.10
Target Conc. (pCi/L, g, F):	4.779		0.503
Uncertainty (Calculated):	0.057		4.773
Result (pCi/L, g, F):	4.458		5.474
Numerical Performance Indicator:	0.482		0.511
Status vs Numerical Indicator:	-1.29		2.67
Upper % Recovery Limits:	93.29%		114.68%
Lower % Recovery Limits:	N/A		N/A
	Pass		Pass
	125%		125%
	75%		75%

Duplicate Sample Assessment	
Sample I.D.:	92622406005
Duplicate Sample I.D.:	92622406005DUP
Sample Result (pCi/L, g, F):	0.015
Duplicate Result (pCi/L, g, F):	0.065
Sample Result Counting Uncertainty (pCi/L, g, F):	0.077
Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.075
Are sample and/or duplicate results below RL?	See Below #
Duplicate Numerical Performance Indicator:	-1.222
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	134.13%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass
% RPD Limit:	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 Counting Uncertainty (pCi/L, g, F):			
Sample Matrix Spike Result:			
Sample Matrix Spike Duplicate Result:			
Matrix Spike Duplicate Result Counting Uncertainty (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:	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	
Matrix Spike Duplicate Result Counting Uncertainty (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:

\*\*\*Batch must be re-tested due to unacceptable precision. N/A

9/22/22

*[Handwritten Signature]*

# Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226  
Analyst: RMS  
Date: 9/12/2022  
Worklist: 68731  
Matrix: DW

Method Blank Assessment	
MB Sample ID	2674652
MB concentration:	0.085
MB Counting Uncertainty:	0.084
MB MDC:	0.178
MB Numerical Performance Indicator:	1.50
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCS (Y or N)?	Y
Count Date:	9/23/2022	LCS68731	19-033
Spike I.D.:	19-033		24.023
Decay Corrected Spike Concentration (pCi/mL):	0.10		0.10
Volume Used (mL):	0.503		0.502
Aliquot Volume (L, g, F):	4.778		4.789
Target Conc. (pCi/L, g, F):	0.057		0.057
Uncertainty (Calculated):	4.976		4.446
Result (pCi/L, g, F):	0.520		0.462
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.74		-1.44
Numerical Performance Indicator:	104.14%		92.84%
Percent Recovery:	N/A		N/A
Status vs Numerical Indicator:	Pass		Pass
Status vs Recovery:	125%		125%
Upper % Recovery Limits:	75%		75%
Lower % Recovery Limits:			

Duplicate Sample Assessment		LCS (Y or N)?	Y
Sample I.D.:	92622406006	LCS68731	0.016
Duplicate Sample I.D.:	92622406006DUP		0.067
Sample Result (pCi/L, g, F):	4.976		0.046
Duplicate Result (pCi/L, g, F):	0.520		0.077
Sample Result Counting Uncertainty (pCi/L, g, F):	4.446		See Below #
Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.462		-0.590
Are sample and/or duplicate results below RL?	NO		98.11%
Duplicate Numerical Performance Indicator:	1.492		N/A
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	11.48%		Fail
Duplicate Status vs Numerical Indicator:	Pass		25%
Duplicate Status vs RPD:	Pass		
% RPD Limit:	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 Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (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 Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Duplicate Result: 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:

\*\*\*Batch must be re-supplied due to unacceptable precision N/A  
LAM 9/20/22

LAM 9/20/22

*[Handwritten Signature]*

October 20, 2022

Michelle Barker  
WOOD E&I  
1075 Big Shanty Rd  
Suite 100  
Kennesaw, GA 30144

RE: Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92630865

Dear Michelle Barker:

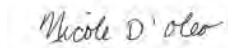
Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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 - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo  
nicole.d'oleo@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR  
Noelia Gangi, Georgia Power  
Ben Hodges, Georgia Power  
Kristen Jurinko  
Laura Midkiff, Georgia Power  
Ms. Lauren Petty, Southern Company  
Rhonda Quinn, WOOD E&I  
Michael Smilley, Georgia Power  
Tina Sullivan, ERM  
Greg Wrenn, WOOD E&I



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

---

### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

---

### **Pace Analytical Services Peachtree Corners**

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

---

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92630865001	PZ-2D	Water	10/11/22 11:30	10/12/22 15:00
92630865002	PZ-32	Water	10/11/22 13:15	10/12/22 15:00
92630865003	PZ-25	Water	10/11/22 15:40	10/12/22 15:00
92630865004	EB-01	Water	10/11/22 08:20	10/12/22 15:00
92630865005	FB-1	Water	10/11/22 10:00	10/12/22 15:00
92630865006	FD-01	Water	10/11/22 00:00	10/12/22 15:00

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92630865001	PZ-2D	SM 2540C-2015	BTS	1
92630865002	PZ-32	SM 2540C-2015	BTS	1
92630865003	PZ-25	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92630865004	EB-01	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92630865005	FB-1	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92630865006	FD-01	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92630865001</b>	<b>PZ-2D</b>					
	Performed by	Customer			10/13/22 14:04	
	pH	7.94	Std. Units		10/13/22 14:04	
SM 2540C-2015	Total Dissolved Solids	75.0	mg/L	25.0	10/14/22 16:06	
<b>92630865002</b>	<b>PZ-32</b>					
	Performed by	Customer			10/13/22 14:04	
	pH	7.37	Std. Units		10/13/22 14:04	
SM 2540C-2015	Total Dissolved Solids	173	mg/L	25.0	10/14/22 16:06	
<b>92630865003</b>	<b>PZ-25</b>					
	Performed by	Customer			10/13/22 14:04	
	pH	7.13	Std. Units		10/13/22 14:04	
SM 2540C-2015	Total Dissolved Solids	267	mg/L	25.0	10/14/22 16:06	
<b>92630865006</b>	<b>FD-01</b>					
SM 2540C-2015	Total Dissolved Solids	260	mg/L	25.0	10/14/22 16:06	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Sample: PZ-2D		Lab ID: 92630865001		Collected: 10/11/22 11:30	Received: 10/12/22 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	<b>Customer</b>				1		10/13/22 14:04		
pH	<b>7.94</b>	Std. Units			1		10/13/22 14:04		
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	<b>75.0</b>	mg/L	25.0	25.0	1		10/14/22 16:06		

### REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: PZ-32</b>									
<b>Lab ID: 92630865002</b>									
Collected: 10/11/22 13:15									
Received: 10/12/22 15:00									
Matrix: Water									
<b>Field Data</b>									
Analytical Method:									
Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>						10/13/22 14:04		
pH	<b>7.37</b>	Std. Units			1		10/13/22 14:04		
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>173</b>	mg/L	25.0	25.0	1		10/14/22 16:06		

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Sample: PZ-25		Lab ID: 92630865003		Collected: 10/11/22 15:40	Received: 10/12/22 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Customer</b>				1		10/13/22 14:04		
pH	<b>7.13</b>	Std. Units			1		10/13/22 14:04		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/17/22 16:05	10/18/22 10:20	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>267</b>	mg/L	25.0	25.0	1		10/14/22 16:06		

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Sample: EB-01		Lab ID: 92630865004		Collected: 10/11/22 08:20	Received: 10/12/22 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	10/17/22 16:05	10/18/22 10:31	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/14/22 16:06		

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Sample: <b>FB-1</b>		Lab ID: <b>92630865005</b>		Collected: 10/11/22 10:00	Received: 10/12/22 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	10/17/22 16:05	10/18/22 10:33	7439-97-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/14/22 16:06		

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Sample: <b>FD-01</b>		Lab ID: <b>92630865006</b>		Collected: 10/11/22 00:00	Received: 10/12/22 15:00	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
<b>7470 Mercury</b>		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	10/17/22 16:05	10/18/22 10:41	7439-97-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	<b>260</b>	mg/L	25.0	25.0	1		10/14/22 16:06			

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

QC Batch:	730765	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92630865003, 92630865004, 92630865005, 92630865006

METHOD BLANK: 3804947 Matrix: Water  
Associated Lab Samples: 92630865003, 92630865004, 92630865005, 92630865006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	10/18/22 09:22	

LABORATORY CONTROL SAMPLE: 3804948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0022	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3804949 3804950

Parameter	Units	3804949		3804950		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0021	0.0021	82	79	75-125	4	20	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92630865

QC Batch: 730309 Analysis Method: SM 2540C-2015  
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92630865001, 92630865002, 92630865003, 92630865004, 92630865005, 92630865006

METHOD BLANK: 3802695 Matrix: Water  
Associated Lab Samples: 92630865001, 92630865002, 92630865003, 92630865004, 92630865005, 92630865006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/14/22 16:02	

LABORATORY CONTROL SAMPLE: 3802696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	381	95	80-120	

SAMPLE DUPLICATE: 3802698

Parameter	Units	92630709001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	46.0	44.0	4	10	

SAMPLE DUPLICATE: 3802794

Parameter	Units	92630583001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	884	876	1	10	

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

### REPORT OF LABORATORY ANALYSIS

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

## QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

---

### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92630865

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92630865001	PZ-2D				
92630865002	PZ-32				
92630865003	PZ-25				
92630865003	PZ-25	EPA 7470A	730765	EPA 7470A	730893
92630865004	EB-01	EPA 7470A	730765	EPA 7470A	730893
92630865005	FB-1	EPA 7470A	730765	EPA 7470A	730893
92630865006	FD-01	EPA 7470A	730765	EPA 7470A	730893
92630865001	PZ-2D	SM 2540C-2015	730309		
92630865002	PZ-32	SM 2540C-2015	730309		
92630865003	PZ-25	SM 2540C-2015	730309		
92630865004	EB-01	SM 2540C-2015	730309		
92630865005	FB-1	SM 2540C-2015	730309		
92630865006	FD-01	SM 2540C-2015	730309		

### REPORT OF LABORATORY ANALYSIS

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



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: G A Power

Project #: **WO# : 92630865**

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 10/12/22 Jm

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: 8.6 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): 8.6

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.	<b>CLIENT PROVIDED SAMPLE CONTAINER</b>
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 checked="" 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? -Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input checked="" 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 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: <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: \_\_\_\_\_



WO#: 92630865

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

Project #

PM: NMG

Due Date: 10/26/22

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

CLIENT: GA-GA Power

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

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 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)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

**Section A**  
Required Client Information:  
Company: GA Power  
Address: Atlanta, GA  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Requested Due Date/TAT: 7 Day

**Section B**  
Required Project Information:  
Report To: SCS Contacts  
Copy To: Wood Contacts Rhonda Quinn  
Purchase Order No.: \_\_\_\_\_  
Project Name: Mitchell AP-A, AP-1, AP-2  
Project Number: Wood/WSP #6122160170

**Section C**  
Invoice Information:  
Attention: Southern Co.  
Company Name: WSP USA (formerly Wood)  
Address: 1075 Big Shanty Road Kennesaw, GA  
Pace Quote Reference: \_\_\_\_\_  
Pace Project Manager: Nicole D'Oleo  
Pace Profile #: 10834

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER CCR  
 Site Location: \_\_\_\_\_ STATE: GA

Page: 1 of 1

ITEM #	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↑	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
		COMPOSITE START	COMPOSITE END/GRAB					DATE	TIME	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					
1	PZ-2D				WG G	10-10-22	1130	1													PH = 7.94	
2	PZ-3Z				WG G	10-10-22	1315	1													PH = 7.37	
3	PZ-25				WG G	10-11-22	1540	2													PH = 7.13	
4	EB-01				WG G	10-10-22	820	2														
5	FB-01				WG G	10-10-22	1600	2														
6	FD-001				WG G	10-11-22		2														
7																						
8																						
9																						
10																						
11																						
12																						

**ADDITIONAL COMMENTS**  
EVER GUILLEN  
7-DAY TAT PLEASE

**RELINQUISHED BY / AFFILIATION**  
[Signature]  
DATE: 10-12-22 TIME: 1500

**ACCEPTED BY / AFFILIATION**  
Charles Hunt  
DATE: 10/12/22 TIME: 1500

**SAMPLE CONDITIONS**  
Temp in °C: \_\_\_\_\_  
Received on: \_\_\_\_\_  
Cooler (Y/N): \_\_\_\_\_  
Custody Sealed: \_\_\_\_\_  
Samples Intact (Y/N): \_\_\_\_\_

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: EVER GUILLEN  
SIGNATURE of SAMPLER: [Signature]  
DATE Signed (MM/DD/YYYY): 10-11-22

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for payments not paid within 30 days.

Well ID	Sample Date	Purge Volume (liter)	Time Elapsed (secs)	DTW (feet, TOC)	Drawdown (feet)	Temperature (C)	pH (su)	Specific Conductance (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	ORP (mV)
PZ-1D	2/14/2023	8.0	2400	47.33	1.11	20.22	7.43	316.16	2.69	1.58	-108.4
PZ-2D	2/14/2023	6.0	1800	28.38	0.1	18.79	7.97	160.93	2.30	2.57	157.3
PZ-7D	2/15/2023	6.0	1800	26.15	0.1	21.19	6.92	558.89	1.28	1.37	83.8
PZ-14	2/14/2023	4.5	1337	38.13	0	21.30	7.04	559.40	1.62	5.74	72.1
PZ-15	2/15/2023	6.0	1800	24.47	0.19	22.87	7.09	496.56	2.25	0.16	-135.8
PZ-16	2/15/2023	8.0	2400	27.82	0	20.91	7.10	459.08	0.81	1.37	61.8
PZ-17	2/16/2023	7.0	2100	26.93	0.26	21.14	7.14	456.87	0.96	0.14	-27.9
PZ-18	2/15/2023	6.0	1800	23.51	0	22.26	6.73	730.76	1.04	0.81	20.0
PZ-19	2/15/2023	6.0	1800	25.18	0.03	22.01	6.66	802.93	0.27	0.21	67.2
PZ-23A	2/14/2023	17.0	5100	47.22	0.45	21.26	6.75	673.98	4.86	2.03	152.5
PZ-25	2/15/2023	6.0	1800	23.46	0.1	22.09	7.02	453.86	1.19	0.32	-78.4
PZ-31	2/14/2023	7.0	2100	34.62	0	19.76	7.09	508.04	1.27	4.85	66.0
PZ-32	2/14/2023	5.0	1500	30.04	0	19.36	7.36	323.28	0.22	0.94	155.8
PZ-33	2/16/2023	7.0	2100	43.86	0.35	21.99	7.13	454.41	1.28	0.15	42.4
PZ-57	2/16/2023	6.0	1800	23.59	0.37	21.73	7.06	551.68	2.36	0.30	45.0

March 28, 2023

Michelle Barker  
WOOD E&I  
1075 Big Shanty Rd  
Suite 100  
Kennesaw, GA 30144

RE: Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Dear Michelle Barker:

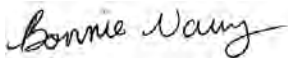
Enclosed are the analytical results for sample(s) received by the laboratory between February 16, 2023 and February 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where 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 - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Bonnie Vang  
bonnie.vang@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR  
Noelia Gangi, Georgia Power  
Ben Hodges, Georgia Power-CCR  
Kristen Jurinko  
Laura Midkiff, Georgia Power  
Rhonda Quinn, WSP  
Michael Smilley, Georgia Power  
Tina Sullivan, ERM

Greg Wrenn, WOOD E&I



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

---

### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

---

### **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 Peachtree Corners**

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

---

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92652734001	MIT-PZ-7D	Water	02/15/23 14:42	02/16/23 12:08
92652734002	MIT-PZ-16	Water	02/15/23 10:40	02/16/23 12:08
92652734003	MIT-PZ-15	Water	02/15/23 14:00	02/16/23 12:08
92652734004	MIT-PZ-18	Water	02/15/23 15:35	02/16/23 12:08
92652734005	MIT-APA12-FB-01	Water	02/14/23 10:45	02/16/23 12:08
92652734006	MIT-PZ-2D	Water	02/14/23 12:20	02/16/23 12:08
92652734007	MIT-PZ-32	Water	02/14/23 14:22	02/16/23 12:08
92652734008	MIT-PZ-23A	Water	02/14/23 17:04	02/16/23 12:08
92652734009	MIT-PZ-25	Water	02/15/23 10:40	02/16/23 12:08
92652734010	MIT-APA12-FD-02	Water	02/15/23 00:00	02/16/23 12:08
92652734011	MIT-PZ-19	Water	02/15/23 12:45	02/16/23 12:08
92652734012	MIT-APA12-FD-01	Water	02/15/23 00:00	02/16/23 12:08
92652734013	MIT-PZ-1D	Water	02/14/23 11:45	02/16/23 12:08
92652734014	MIT-PZ-31	Water	02/14/23 14:05	02/16/23 12:08
92652734015	MIT-PZ-14	Water	02/14/23 15:40	02/16/23 12:08
92652734016	MIT-APA12-EB-01	Water	02/15/23 08:40	02/16/23 12:08
92652734017	MIT-APA12-EB-02	Water	02/16/23 08:50	02/17/23 11:04
92652734018	MIT-APA12-FB-02	Water	02/16/23 09:45	02/17/23 11:04
92652734019	MIT-PZ-57	Water	02/16/23 11:08	02/17/23 11:04
92652734020	MIT-PZ-17	Water	02/16/23 10:40	02/17/23 11:04
92652734021	MIT-PZ-33	Water	02/16/23 13:45	02/17/23 11:04

## REPORT OF LABORATORY ANALYSIS

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



### SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652734001	MIT-PZ-7D	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734002	MIT-PZ-16	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734003	MIT-PZ-15	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734004	MIT-PZ-18	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734005	MIT-APA12-FB-01	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734006	MIT-PZ-2D	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734007	MIT-PZ-32	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734008	MIT-PZ-23A	EPA 6010D	MS	1
		EPA 6020B	CW1	13

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652734009	MIT-PZ-25	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
92652734010	MIT-APA12-FD-02	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652734011	MIT-PZ-19	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92652734012	MIT-APA12-FD-01	EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
92652734013	MIT-PZ-1D	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
92652734014	MIT-PZ-31	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
92652734015	MIT-PZ-14	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652734016	MIT-APA12-EB-01	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652734017	MIT-APA12-EB-02	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652734018	MIT-APA12-FB-02	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652734019	MIT-PZ-57	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652734020	MIT-PZ-17	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652734021	MIT-PZ-33	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville  
PASI-C = Pace Analytical Services - Charlotte  
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92652734001</b>	<b>MIT-PZ-7D</b>					
	Performed by	Client			03/08/23 14:47	
	Collected By	Daniel Howard			03/08/23 14:47	
	Collected Date	02/15/23			03/08/23 14:47	
	Collected Time	14:42			03/08/23 14:47	
	pH	6.92	Std. Units		03/08/23 14:47	
EPA 6010D	Calcium	114	mg/L	1.0	03/01/23 19:43	
EPA 6020B	Barium	0.0060	mg/L	0.0050	03/02/23 17:45	
EPA 6020B	Boron	0.21	mg/L	0.040	03/02/23 17:45	
EPA 6020B	Chromium	0.0034J	mg/L	0.0050	03/02/23 17:45	
EPA 6020B	Lithium	0.0037J	mg/L	0.030	03/02/23 17:45	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	03/02/23 17:45	
SM 2540C-2015	Total Dissolved Solids	335	mg/L	25.0	02/19/23 13:23	D6
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	02/21/23 03:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/21/23 03:18	
EPA 300.0 Rev 2.1 1993	Sulfate	49.9	mg/L	1.0	02/21/23 03:18	
<b>92652734002</b>	<b>MIT-PZ-16</b>					
	Performed by	Client			03/08/23 14:48	
	Collected By	Daniel Howard			03/08/23 14:48	
	Collected Date	02/15/23			03/08/23 14:48	
	Collected Time	10:40			03/08/23 14:48	
	pH	7.10	Std. Units		03/08/23 14:48	
EPA 6010D	Calcium	88.5	mg/L	1.0	03/01/23 19:47	
EPA 6020B	Barium	0.033	mg/L	0.0050	03/02/23 17:51	
EPA 6020B	Boron	0.19	mg/L	0.040	03/02/23 17:51	
SM 2540C-2015	Total Dissolved Solids	334	mg/L	25.0	02/19/23 13:24	
EPA 300.0 Rev 2.1 1993	Chloride	6.2	mg/L	1.0	02/21/23 03:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/21/23 03:33	
EPA 300.0 Rev 2.1 1993	Sulfate	38.1	mg/L	1.0	02/21/23 03:33	
<b>92652734003</b>	<b>MIT-PZ-15</b>					
	Performed by	Client			03/08/23 14:49	
	Collected By	Daniel Howard			03/08/23 14:49	
	Collected Date	02/15/23			03/08/23 14:49	
	Collected Time	14:00			03/08/23 14:49	
	pH	7.09	Std. Units		03/08/23 14:49	
EPA 6010D	Calcium	98.1	mg/L	1.0	03/01/23 19:52	
EPA 6020B	Barium	0.048	mg/L	0.0050	03/02/23 17:57	
EPA 6020B	Boron	0.21	mg/L	0.040	03/02/23 17:57	
EPA 6020B	Lithium	0.0010J	mg/L	0.030	03/02/23 17:57	
SM 2540C-2015	Total Dissolved Solids	329	mg/L	25.0	02/19/23 13:24	
EPA 300.0 Rev 2.1 1993	Chloride	6.2	mg/L	1.0	02/21/23 03:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/21/23 03:48	
EPA 300.0 Rev 2.1 1993	Sulfate	75.7	mg/L	1.0	02/21/23 03:48	M1

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92652734004</b>	<b>MIT-PZ-18</b>					
	Performed by	Client			03/08/23 14:50	
	Collected By	Daniel Howard			03/08/23 14:50	
	Collected Date	02/15/23			03/08/23 14:50	
	Collected Time	15:35			03/08/23 14:50	
	pH	6.73	Std. Units		03/08/23 14:50	
EPA 6010D	Calcium	164	mg/L	1.0	03/01/23 19:57	M1
EPA 6020B	Barium	0.026	mg/L	0.0050	03/02/23 18:03	
EPA 6020B	Boron	0.35	mg/L	0.040	03/02/23 18:03	
EPA 6020B	Lithium	0.0027J	mg/L	0.030	03/02/23 18:03	
SM 2540C-2015	Total Dissolved Solids	477	mg/L	25.0	02/19/23 13:24	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/21/23 05:02	
EPA 300.0 Rev 2.1 1993	Sulfate	96.6	mg/L	1.0	02/21/23 05:02	
<b>92652734006</b>	<b>MIT-PZ-2D</b>					
	Performed by	Client			03/08/23 14:52	
	Collected By	Daniel Howard			03/08/23 14:52	
	Collected Date	02/14/23			03/08/23 14:52	
	Collected Time	12:20			03/08/23 14:52	
	pH	7.97	Std. Units		03/08/23 14:52	
EPA 6010D	Calcium	30.2	mg/L	1.0	03/01/23 20:31	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	03/02/23 18:45	
EPA 6020B	Barium	0.0055	mg/L	0.0050	03/02/23 18:45	
EPA 6020B	Boron	0.010J	mg/L	0.040	03/02/23 18:45	
EPA 6020B	Chromium	0.0041J	mg/L	0.0050	03/02/23 18:45	
EPA 6020B	Lithium	0.0010J	mg/L	0.030	03/02/23 18:45	
SM 2540C-2015	Total Dissolved Solids	140	mg/L	25.0	02/17/23 14:12	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/21/23 05:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	02/21/23 05:32	
EPA 300.0 Rev 2.1 1993	Sulfate	2.6	mg/L	1.0	02/21/23 05:32	
<b>92652734007</b>	<b>MIT-PZ-32</b>					
	Performed by	Client			03/08/23 14:54	
	Collected By	Daniel Howard			03/08/23 14:54	
	Collected Date	02/14/23			03/08/23 14:54	
	Collected Time	14:22			03/08/23 14:54	
	pH	7.36	Std. Units		03/08/23 14:54	
EPA 6010D	Calcium	69.3	mg/L	1.0	03/01/23 20:36	
EPA 6020B	Barium	0.014	mg/L	0.0050	03/02/23 18:51	
EPA 6020B	Boron	0.012J	mg/L	0.040	03/02/23 18:51	
SM 2540C-2015	Total Dissolved Solids	177	mg/L	25.0	02/17/23 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	02/21/23 05:46	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/21/23 05:46	
<b>92652734008</b>	<b>MIT-PZ-23A</b>					
	Performed by	Client			03/08/23 14:55	
	Collected By	Daniel Howard			03/08/23 14:55	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92652734008</b>	<b>MIT-PZ-23A</b>					
	Collected Date	02/14/23			03/08/23 14:55	
	Collected Time	17:04			03/08/23 14:55	
	pH	6.75	Std. Units		03/08/23 14:55	
EPA 6010D	Calcium	139	mg/L	1.0	03/01/23 20:40	
EPA 6020B	Barium	0.033	mg/L	0.0050	03/02/23 18:57	
EPA 6020B	Boron	0.13	mg/L	0.040	03/02/23 18:57	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	03/02/23 18:57	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	03/02/23 18:57	
SM 2540C-2015	Total Dissolved Solids	414	mg/L	25.0	02/19/23 13:20	
EPA 300.0 Rev 2.1 1993	Chloride	3.8	mg/L	1.0	02/21/23 06:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.084J	mg/L	0.10	02/21/23 06:01	
EPA 300.0 Rev 2.1 1993	Sulfate	35.1	mg/L	1.0	02/21/23 06:01	
<b>92652734009</b>	<b>MIT-PZ-25</b>					
	Performed by	Client			03/08/23 14:57	
	Collected By	Daniel Howard			03/08/23 14:57	
	Collected Date	02/15/23			03/08/23 14:57	
	Collected Time	10:40			03/08/23 14:57	
	pH	7.02	Std. Units		03/08/23 14:57	
EPA 6010D	Calcium	86.9	mg/L	1.0	03/01/23 20:45	
EPA 6020B	Barium	0.10	mg/L	0.0050	03/02/23 19:03	
EPA 6020B	Boron	0.17	mg/L	0.040	03/02/23 19:03	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	03/02/23 19:03	
EPA 6020B	Lithium	0.0057J	mg/L	0.030	03/02/23 19:03	
EPA 6020B	Thallium	0.00045J	mg/L	0.0010	03/02/23 19:03	
SM 2540C-2015	Total Dissolved Solids	264	mg/L	25.0	02/19/23 13:25	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	02/21/23 06:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/21/23 06:16	
EPA 300.0 Rev 2.1 1993	Sulfate	37.1	mg/L	1.0	02/21/23 06:16	
<b>92652734010</b>	<b>MIT-APA12-FD-02</b>					
	Performed by	Client			03/08/23 14:58	
	Collected By	Daniel Howard			03/08/23 14:58	
	Collected Date	02/15/23			03/08/23 14:58	
	Collected Time	00:00			03/08/23 14:58	
	pH	7.02	Std. Units		03/08/23 14:58	
EPA 6010D	Calcium	84.1	mg/L	1.0	03/01/23 20:50	
EPA 6020B	Barium	0.11	mg/L	0.0050	03/02/23 19:09	
EPA 6020B	Boron	0.18	mg/L	0.040	03/02/23 19:09	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	03/02/23 19:09	
EPA 6020B	Lithium	0.0059J	mg/L	0.030	03/02/23 19:09	
EPA 6020B	Thallium	0.00046J	mg/L	0.0010	03/02/23 19:09	
SM 2540C-2015	Total Dissolved Solids	274	mg/L	25.0	02/19/23 13:25	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	02/21/23 06:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/21/23 06:31	
EPA 300.0 Rev 2.1 1993	Sulfate	37.0	mg/L	1.0	02/21/23 06:31	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92652734011</b>	<b>MIT-PZ-19</b>					
	Performed by	Client			03/08/23 14:59	
	Collected By	Daniel Howard			03/08/23 14:59	
	Collected Date	02/15/23			03/08/23 14:59	
	Collected Time	12:45			03/08/23 14:59	
	pH	6.66	Std. Units		03/08/23 14:59	
EPA 6010D	Calcium	144	mg/L	1.0	03/01/23 20:55	
EPA 6020B	Barium	0.051	mg/L	0.0050	03/02/23 19:14	
EPA 6020B	Boron	0.54	mg/L	0.040	03/02/23 19:14	
EPA 6020B	Lithium	0.011J	mg/L	0.030	03/02/23 19:14	
EPA 6020B	Molybdenum	0.0016J	mg/L	0.010	03/02/23 19:14	
EPA 6020B	Selenium	0.0036J	mg/L	0.0050	03/02/23 19:14	
EPA 6020B	Thallium	0.00051J	mg/L	0.0010	03/02/23 19:14	
SM 2540C-2015	Total Dissolved Solids	529	mg/L	25.0	02/19/23 13:26	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	02/21/23 06:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.10	02/21/23 06:46	
EPA 300.0 Rev 2.1 1993	Sulfate	78.8	mg/L	1.0	02/21/23 06:46	
<b>92652734012</b>	<b>MIT-APA12-FD-01</b>					
	Performed by	Client			03/08/23 15:00	
	Collected By	Daniel Howard			03/08/23 15:00	
	Collected Date	02/15/23			03/08/23 15:00	
	Collected Time	00:00			03/08/23 15:00	
	pH	6.66	Std. Units		03/08/23 15:00	
EPA 6010D	Calcium	146	mg/L	1.0	03/01/23 21:00	
EPA 6020B	Barium	0.048	mg/L	0.0050	03/02/23 19:20	
EPA 6020B	Boron	0.53	mg/L	0.040	03/02/23 19:20	
EPA 6020B	Lithium	0.011J	mg/L	0.030	03/02/23 19:20	
EPA 6020B	Molybdenum	0.0015J	mg/L	0.010	03/02/23 19:20	
EPA 6020B	Selenium	0.0034J	mg/L	0.0050	03/02/23 19:20	
EPA 6020B	Thallium	0.00050J	mg/L	0.0010	03/02/23 19:20	
SM 2540C-2015	Total Dissolved Solids	490	mg/L	25.0	02/19/23 13:26	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	02/21/23 07:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.086J	mg/L	0.10	02/21/23 07:00	
EPA 300.0 Rev 2.1 1993	Sulfate	79.0	mg/L	1.0	02/21/23 07:00	
<b>92652734013</b>	<b>MIT-PZ-1D</b>					
	Performed by	Client			03/08/23 15:01	
	Collected By	Daniel Howard			03/08/23 15:01	
	Collected Date	02/14/23			03/08/23 15:01	
	Collected Time	11:45			03/08/23 15:01	
	pH	7.43	Std. Units		03/08/23 15:01	
EPA 6010D	Calcium	56.2	mg/L	1.0	03/01/23 21:05	
EPA 6020B	Barium	0.020	mg/L	0.0050	03/02/23 19:26	
EPA 6020B	Boron	0.011J	mg/L	0.040	03/02/23 19:26	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/02/23 19:26	
EPA 6020B	Molybdenum	0.0013J	mg/L	0.010	03/02/23 19:26	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92652734013</b>	<b>MIT-PZ-1D</b>					
SM 2540C-2015	Total Dissolved Solids	200	mg/L	25.0	02/19/23 13:20	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	02/21/23 00:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	02/21/23 00:05	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/21/23 00:05	
<b>92652734014</b>	<b>MIT-PZ-31</b>					
	Performed by	Client			03/08/23 15:02	
	Collected By	Daniel Howard			03/08/23 15:02	
	Collected Date	02/14/23			03/08/23 15:02	
	Collected Time	14:05			03/08/23 15:02	
	pH	7.09	Std. Units		03/08/23 15:02	
EPA 6010D	Calcium	99.9	mg/L	1.0	03/01/23 21:10	
EPA 6020B	Barium	0.0071	mg/L	0.0050	03/02/23 19:32	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	03/02/23 19:32	
SM 2540C-2015	Total Dissolved Solids	257	mg/L	25.0	02/19/23 13:20	
EPA 300.0 Rev 2.1 1993	Chloride	3.3	mg/L	1.0	02/21/23 01:07	
EPA 300.0 Rev 2.1 1993	Fluoride	0.059J	mg/L	0.10	02/21/23 01:07	
EPA 300.0 Rev 2.1 1993	Sulfate	0.89J	mg/L	1.0	02/21/23 01:07	
<b>92652734015</b>	<b>MIT-PZ-14</b>					
	Performed by	Client			03/08/23 15:03	
	Collected By	Daniel Howard			03/08/23 15:03	
	Collected Date	02/14/23			03/08/23 15:03	
	Collected Time	15:40			03/08/23 15:03	
	pH	7.04	Std. Units		03/08/23 15:03	
EPA 6010D	Calcium	103	mg/L	1.0	03/01/23 21:15	
EPA 6020B	Barium	0.014	mg/L	0.0050	03/02/23 19:38	
EPA 6020B	Boron	0.023J	mg/L	0.040	03/02/23 19:38	
EPA 6020B	Chromium	0.0018J	mg/L	0.0050	03/02/23 19:38	
SM 2540C-2015	Total Dissolved Solids	300	mg/L	25.0	02/19/23 13:21	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/21/23 01:23	
EPA 300.0 Rev 2.1 1993	Sulfate	10.0	mg/L	1.0	02/21/23 01:23	
<b>92652734016</b>	<b>MIT-APA12-EB-01</b>					
SM 2540C-2015	Total Dissolved Solids	45.0	mg/L	25.0	02/19/23 13:26	
<b>92652734018</b>	<b>MIT-APA12-FB-02</b>					
SM 2540C-2015	Total Dissolved Solids	57.9	mg/L	25.0	02/20/23 12:44	
<b>92652734019</b>	<b>MIT-PZ-57</b>					
	Performed by	Client			03/08/23 15:05	
	Collected By	Daniel Howard			03/08/23 15:05	
	Collected Date	02/16/23			03/08/23 15:05	
	Collected Time	11:08			03/08/23 15:05	
	pH	7.06	Std. Units		03/08/23 15:05	
EPA 6010D	Calcium	91.6	mg/L	1.0	03/01/23 21:44	
EPA 6020B	Barium	0.063	mg/L	0.0050	03/02/23 20:14	

### REPORT OF LABORATORY ANALYSIS

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



### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652734019</b>	<b>MIT-PZ-57</b>					
EPA 6020B	Boron	0.16	mg/L	0.040	03/02/23 20:14	
EPA 6020B	Cobalt	0.00051J	mg/L	0.0050	03/02/23 20:14	
EPA 6020B	Lithium	0.00082J	mg/L	0.030	03/02/23 20:14	
SM 2540C-2015	Total Dissolved Solids	421	mg/L	25.0	02/20/23 12:45	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/21/23 03:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/21/23 03:11	
EPA 300.0 Rev 2.1 1993	Sulfate	77.7	mg/L	1.0	02/21/23 03:11	
<b>92652734020</b>	<b>MIT-PZ-17</b>					
	Performed by	Client			03/08/23 15:07	
	Collected By	Daniel Howard			03/08/23 15:07	
	Collected Date	02/16/23			03/08/23 15:07	
	Collected Time	10:40			03/08/23 15:07	
	pH	7.14	Std. Units		03/08/23 15:07	
EPA 6010D	Calcium	94.1	mg/L	1.0	03/01/23 21:48	
EPA 6020B	Barium	0.059	mg/L	0.0050	03/02/23 20:20	
EPA 6020B	Boron	0.15	mg/L	0.040	03/02/23 20:20	
EPA 6020B	Lithium	0.0014J	mg/L	0.030	03/02/23 20:20	
EPA 6020B	Thallium	0.00038J	mg/L	0.0010	03/02/23 20:20	
SM 2540C-2015	Total Dissolved Solids	299	mg/L	25.0	02/20/23 12:45	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/21/23 03:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/21/23 03:26	
EPA 300.0 Rev 2.1 1993	Sulfate	54.2	mg/L	1.0	02/21/23 03:26	
<b>92652734021</b>	<b>MIT-PZ-33</b>					
	Performed by	Client			03/08/23 15:08	
	Collected By	Daniel Howard			03/08/23 15:08	
	Collected Date	02/16/23			03/08/23 15:08	
	Collected Time	13:45			03/08/23 15:08	
	pH	7.13	Std. Units		03/08/23 15:08	
EPA 6010D	Calcium	92.2	mg/L	1.0	03/01/23 22:17	M1
EPA 6020B	Barium	0.040	mg/L	0.0050	03/03/23 15:45	
EPA 6020B	Boron	0.31	mg/L	0.040	03/03/23 15:45	
SM 2540C-2015	Total Dissolved Solids	293	mg/L	25.0	02/20/23 12:46	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/21/23 03:42	
EPA 300.0 Rev 2.1 1993	Fluoride	0.082J	mg/L	0.10	02/21/23 03:42	
EPA 300.0 Rev 2.1 1993	Sulfate	36.0	mg/L	1.0	02/21/23 03:42	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

**Sample: MIT-PZ-7D**      **Lab ID: 92652734001**      Collected: 02/15/23 14:42      Received: 02/16/23 12:08      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:47		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:47		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:47		
Collected Time	<b>14:42</b>				1		03/08/23 14:47		
pH	<b>6.92</b>	Std. Units			1		03/08/23 14:47		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>114</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 19:43	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 17:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 17:45	7440-38-2	
Barium	<b>0.0060</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 17:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 17:45	7440-41-7	
Boron	<b>0.21</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 17:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 17:45	7440-43-9	
Chromium	<b>0.0034J</b>	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 17:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 17:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 17:45	7439-92-1	
Lithium	<b>0.0037J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 17:45	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 17:45	7439-98-7	
Selenium	<b>0.0017J</b>	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 17:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 17:45	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:24	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>335</b>	mg/L	25.0	25.0	1		02/19/23 13:23		D6
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.3</b>	mg/L	1.0	0.60	1		02/21/23 03:18	16887-00-6	
Fluoride	<b>0.050J</b>	mg/L	0.10	0.050	1		02/21/23 03:18	16984-48-8	
Sulfate	<b>49.9</b>	mg/L	1.0	0.50	1		02/21/23 03:18	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

**Sample: MIT-PZ-16**      **Lab ID: 92652734002**      Collected: 02/15/23 10:40      Received: 02/16/23 12:08      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:48		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:48		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:48		
Collected Time	<b>10:40</b>				1		03/08/23 14:48		
pH	<b>7.10</b>	Std. Units			1		03/08/23 14:48		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>88.5</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 19:47	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 17:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 17:51	7440-38-2	
Barium	<b>0.033</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 17:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 17:51	7440-41-7	
Boron	<b>0.19</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 17:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 17:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 17:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 17:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 17:51	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 17:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 17:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 17:51	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 17:51	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:41	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>334</b>	mg/L	25.0	25.0	1		02/19/23 13:24		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>6.2</b>	mg/L	1.0	0.60	1		02/21/23 03:33	16887-00-6	
Fluoride	<b>0.053J</b>	mg/L	0.10	0.050	1		02/21/23 03:33	16984-48-8	
Sulfate	<b>38.1</b>	mg/L	1.0	0.50	1		02/21/23 03:33	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-15		Lab ID: 92652734003		Collected: 02/15/23 14:00		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:49		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:49		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:49		
Collected Time	<b>14:00</b>				1		03/08/23 14:49		
pH	<b>7.09</b>	Std. Units			1		03/08/23 14:49		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>98.1</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 19:52	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 17:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 17:57	7440-38-2	
Barium	<b>0.048</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 17:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 17:57	7440-41-7	
Boron	<b>0.21</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 17:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 17:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 17:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 17:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 17:57	7439-92-1	
Lithium	<b>0.0010J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 17:57	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 17:57	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 17:57	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 17:57	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:44	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>329</b>	mg/L	25.0	25.0	1		02/19/23 13:24		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>6.2</b>	mg/L	1.0	0.60	1		02/21/23 03:48	16887-00-6	
Fluoride	<b>0.064J</b>	mg/L	0.10	0.050	1		02/21/23 03:48	16984-48-8	
Sulfate	<b>75.7</b>	mg/L	1.0	0.50	1		02/21/23 03:48	14808-79-8	M1

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-18</b>									
<b>Lab ID: 92652734004</b>									
Collected: 02/15/23 15:35 Received: 02/16/23 12:08 Matrix: Water									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:50		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:50		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:50		
Collected Time	<b>15:35</b>				1		03/08/23 14:50		
pH	<b>6.73</b>	Std. Units			1		03/08/23 14:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>164</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 19:57	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 18:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 18:03	7440-38-2	
Barium	<b>0.026</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 18:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 18:03	7440-41-7	
Boron	<b>0.35</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 18:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 18:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 18:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 18:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 18:03	7439-92-1	
Lithium	<b>0.0027J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 18:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 18:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 18:03	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 18:03	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:46	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>477</b>	mg/L	25.0	25.0	1		02/19/23 13:24		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>4.5</b>	mg/L	1.0	0.60	1		02/21/23 05:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 05:02	16984-48-8	
Sulfate	<b>96.6</b>	mg/L	1.0	0.50	1		02/21/23 05:02	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-APA12-FB-01      Lab ID: 92652734005      Collected: 02/14/23 10:45      Received: 02/16/23 12:08      Matrix: Water										
Parameters	Results	Units	Report Limit		MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>										
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA										
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:16	7440-70-2		
<b>6020 MET ICPMS</b>										
Analytical Method: EPA 6020B    Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA										
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 18:09	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 18:09	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 18:09	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 18:09	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 18:09	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 18:09	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 18:09	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 18:09	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 18:09	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 18:09	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 18:09	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 18:09	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 18:09	7440-28-0		
<b>7470 Mercury</b>										
Analytical Method: EPA 7470A    Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA										
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:49	7439-97-6		
<b>2540C Total Dissolved Solids</b>										
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA										
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/17/23 14:11			
<b>300.0 IC Anions 28 Days</b>										
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville										
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 05:17	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 05:17	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 05:17	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-2D</b>									
<b>Lab ID: 92652734006</b>									
Collected: 02/14/23 12:20									
Received: 02/16/23 12:08									
Matrix: Water									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:52		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:52		
Collected Date	<b>02/14/23</b>				1		03/08/23 14:52		
Collected Time	<b>12:20</b>				1		03/08/23 14:52		
pH	<b>7.97</b>	Std. Units			1		03/08/23 14:52		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>30.2</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:31	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0015J</b>	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 18:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 18:45	7440-38-2	
Barium	<b>0.0055</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 18:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 18:45	7440-41-7	
Boron	<b>0.010J</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 18:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 18:45	7440-43-9	
Chromium	<b>0.0041J</b>	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 18:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 18:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 18:45	7439-92-1	
Lithium	<b>0.0010J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 18:45	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 18:45	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 18:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 18:45	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:48	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>140</b>	mg/L	25.0	25.0	1		02/17/23 14:12		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>2.6</b>	mg/L	1.0	0.60	1		02/21/23 05:32	16887-00-6	
Fluoride	<b>0.076J</b>	mg/L	0.10	0.050	1		02/21/23 05:32	16984-48-8	
Sulfate	<b>2.6</b>	mg/L	1.0	0.50	1		02/21/23 05:32	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

**Sample: MIT-PZ-32**      **Lab ID: 92652734007**      Collected: 02/14/23 14:22      Received: 02/16/23 12:08      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:54		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:54		
Collected Date	<b>02/14/23</b>				1		03/08/23 14:54		
Collected Time	<b>14:22</b>				1		03/08/23 14:54		
pH	<b>7.36</b>	Std. Units			1		03/08/23 14:54		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>69.3</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:36	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 18:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 18:51	7440-38-2	
Barium	<b>0.014</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 18:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 18:51	7440-41-7	
Boron	<b>0.012J</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 18:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 18:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 18:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 18:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 18:51	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 18:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 18:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 18:51	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 18:51	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:58	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>177</b>	mg/L	25.0	25.0	1		02/17/23 14:13		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.7</b>	mg/L	1.0	0.60	1		02/21/23 05:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 05:46	16984-48-8	
Sulfate	<b>2.0</b>	mg/L	1.0	0.50	1		02/21/23 05:46	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-23A		Lab ID: 92652734008		Collected: 02/14/23 17:04		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:55		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:55		
Collected Date	<b>02/14/23</b>				1		03/08/23 14:55		
Collected Time	<b>17:04</b>				1		03/08/23 14:55		
pH	<b>6.75</b>	Std. Units			1		03/08/23 14:55		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>139</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:40	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 18:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 18:57	7440-38-2	
Barium	<b>0.033</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 18:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 18:57	7440-41-7	
Boron	<b>0.13</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 18:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 18:57	7440-43-9	
Chromium	<b>0.0024J</b>	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 18:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 18:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 18:57	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 18:57	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 18:57	7439-98-7	
Selenium	<b>0.0015J</b>	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 18:57	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 18:57	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:01	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>414</b>	mg/L	25.0	25.0	1		02/19/23 13:20		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.8</b>	mg/L	1.0	0.60	1		02/21/23 06:01	16887-00-6	
Fluoride	<b>0.084J</b>	mg/L	0.10	0.050	1		02/21/23 06:01	16984-48-8	
Sulfate	<b>35.1</b>	mg/L	1.0	0.50	1		02/21/23 06:01	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-25		Lab ID: 92652734009		Collected: 02/15/23 10:40		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:57		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:57		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:57		
Collected Time	<b>10:40</b>				1		03/08/23 14:57		
pH	<b>7.02</b>	Std. Units			1		03/08/23 14:57		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>86.9</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:45	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:03	7440-38-2	
Barium	<b>0.10</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:03	7440-41-7	
Boron	<b>0.17</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:03	7440-47-3	
Cobalt	<b>0.0012J</b>	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:03	7439-92-1	
Lithium	<b>0.0057J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:03	7782-49-2	
Thallium	<b>0.00045J</b>	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:03	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:03	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>264</b>	mg/L	25.0	25.0	1		02/19/23 13:25		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.8</b>	mg/L	1.0	0.60	1		02/21/23 06:16	16887-00-6	
Fluoride	<b>0.16</b>	mg/L	0.10	0.050	1		02/21/23 06:16	16984-48-8	
Sulfate	<b>37.1</b>	mg/L	1.0	0.50	1		02/21/23 06:16	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

**Sample: MIT-APA12-FD-02**      **Lab ID: 92652734010**      Collected: 02/15/23 00:00      Received: 02/16/23 12:08      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:58		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:58		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:58		
Collected Time	<b>00:00</b>				1		03/08/23 14:58		
pH	<b>7.02</b>	Std. Units			1		03/08/23 14:58		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>84.1</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:50	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:09	7440-38-2	
Barium	<b>0.11</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:09	7440-41-7	
Boron	<b>0.18</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:09	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:09	7440-47-3	
Cobalt	<b>0.0011J</b>	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:09	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:09	7439-92-1	
Lithium	<b>0.0059J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:09	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:09	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:09	7782-49-2	
Thallium	<b>0.00046J</b>	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:09	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:06	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>274</b>	mg/L	25.0	25.0	1		02/19/23 13:25		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.8</b>	mg/L	1.0	0.60	1		02/21/23 06:31	16887-00-6	
Fluoride	<b>0.16</b>	mg/L	0.10	0.050	1		02/21/23 06:31	16984-48-8	
Sulfate	<b>37.0</b>	mg/L	1.0	0.50	1		02/21/23 06:31	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-19		Lab ID: 92652734011		Collected: 02/15/23 12:45		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 14:59		
Collected By	<b>Daniel Howard</b>				1		03/08/23 14:59		
Collected Date	<b>02/15/23</b>				1		03/08/23 14:59		
Collected Time	<b>12:45</b>				1		03/08/23 14:59		
pH	<b>6.66</b>	Std. Units			1		03/08/23 14:59		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>144</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 20:55	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:14	7440-38-2	
Barium	<b>0.051</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:14	7440-41-7	
Boron	<b>0.54</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:14	7439-92-1	
Lithium	<b>0.011J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:14	7439-93-2	
Molybdenum	<b>0.0016J</b>	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:14	7439-98-7	
Selenium	<b>0.0036J</b>	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:14	7782-49-2	
Thallium	<b>0.00051J</b>	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:14	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:14	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>529</b>	mg/L	25.0	25.0	1		02/19/23 13:26		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.1</b>	mg/L	1.0	0.60	1		02/21/23 06:46	16887-00-6	
Fluoride	<b>0.086J</b>	mg/L	0.10	0.050	1		02/21/23 06:46	16984-48-8	
Sulfate	<b>78.8</b>	mg/L	1.0	0.50	1		02/21/23 06:46	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Sample: MIT-APA12-FD-01      Lab ID: 92652734012      Collected: 02/15/23 00:00      Received: 02/16/23 12:08      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:00		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:00		
Collected Date	<b>02/15/23</b>				1		03/08/23 15:00		
Collected Time	<b>00:00</b>				1		03/08/23 15:00		
pH	<b>6.66</b>	Std. Units			1		03/08/23 15:00		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>146</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:00	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:20	7440-38-2	
Barium	<b>0.048</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:20	7440-41-7	
Boron	<b>0.53</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:20	7439-92-1	
Lithium	<b>0.011J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:20	7439-93-2	
Molybdenum	<b>0.0015J</b>	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:20	7439-98-7	
Selenium	<b>0.0034J</b>	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:20	7782-49-2	
Thallium	<b>0.00050J</b>	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:20	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:16	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>490</b>	mg/L	25.0	25.0	1		02/19/23 13:26		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.2</b>	mg/L	1.0	0.60	1		02/21/23 07:00	16887-00-6	
Fluoride	<b>0.086J</b>	mg/L	0.10	0.050	1		02/21/23 07:00	16984-48-8	
Sulfate	<b>79.0</b>	mg/L	1.0	0.50	1		02/21/23 07:00	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-1D		Lab ID: 92652734013		Collected: 02/14/23 11:45		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:01		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:01		
Collected Date	<b>02/14/23</b>				1		03/08/23 15:01		
Collected Time	<b>11:45</b>				1		03/08/23 15:01		
pH	<b>7.43</b>	Std. Units			1		03/08/23 15:01		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>56.2</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:05	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:26	7440-38-2	
Barium	<b>0.020</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:26	7440-41-7	
Boron	<b>0.011J</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:26	7440-43-9	
Chromium	<b>0.0015J</b>	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:26	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:26	7439-93-2	
Molybdenum	<b>0.0013J</b>	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:26	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:19	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>200</b>	mg/L	25.0	25.0	1		02/19/23 13:20		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.0</b>	mg/L	1.0	0.60	1		02/21/23 00:05	16887-00-6	
Fluoride	<b>0.063J</b>	mg/L	0.10	0.050	1		02/21/23 00:05	16984-48-8	
Sulfate	<b>1.6</b>	mg/L	1.0	0.50	1		02/21/23 00:05	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

**Sample: MIT-PZ-31**      **Lab ID: 92652734014**      Collected: 02/14/23 14:05      Received: 02/16/23 12:08      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:02		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:02		
Collected Date	<b>02/14/23</b>				1		03/08/23 15:02		
Collected Time	<b>14:05</b>				1		03/08/23 15:02		
pH	<b>7.09</b>	Std. Units			1		03/08/23 15:02		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>99.9</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:10	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:32	7440-38-2	
Barium	<b>0.0071</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:32	7440-43-9	
Chromium	<b>0.0011J</b>	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:32	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:32	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:32	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:32	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:32	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:32	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:22	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>257</b>	mg/L	25.0	25.0	1		02/19/23 13:20		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.3</b>	mg/L	1.0	0.60	1		02/21/23 01:07	16887-00-6	
Fluoride	<b>0.059J</b>	mg/L	0.10	0.050	1		02/21/23 01:07	16984-48-8	
Sulfate	<b>0.89J</b>	mg/L	1.0	0.50	1		02/21/23 01:07	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-14		Lab ID: 92652734015		Collected: 02/14/23 15:40		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:03		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:03		
Collected Date	<b>02/14/23</b>				1		03/08/23 15:03		
Collected Time	<b>15:40</b>				1		03/08/23 15:03		
pH	<b>7.04</b>	Std. Units			1		03/08/23 15:03		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>103</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:15	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:38	7440-38-2	
Barium	<b>0.014</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:38	7440-41-7	
Boron	<b>0.023J</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:38	7440-43-9	
Chromium	<b>0.0018J</b>	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:38	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:38	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:38	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:38	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:24	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>300</b>	mg/L	25.0	25.0	1		02/19/23 13:21		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>4.5</b>	mg/L	1.0	0.60	1		02/21/23 01:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 01:23	16984-48-8	
Sulfate	<b>10.0</b>	mg/L	1.0	0.50	1		02/21/23 01:23	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-APA12-EB-01		Lab ID: 92652734016		Collected: 02/15/23 08:40		Received: 02/16/23 12:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:29	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 19:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 19:56	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 19:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 19:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 19:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 19:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 19:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 19:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 19:56	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 19:56	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 19:56	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 19:56	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 19:56	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:27	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>45.0</b>	mg/L	25.0	25.0	1		02/19/23 13:26		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 01:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 01:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 01:38	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

**Sample: MIT-APA12-EB-02**      **Lab ID: 92652734017**      Collected: 02/16/23 08:50      Received: 02/17/23 11:04      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:34	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B    Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 20:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 20:02	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 20:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 20:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 20:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 20:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 20:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 20:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 20:02	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 20:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 20:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 20:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 20:02	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A    Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:30	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:44		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 02:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 02:40	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 02:40	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

**Sample: MIT-APA12-FB-02**      **Lab ID: 92652734018**      Collected: 02/16/23 09:45      Received: 02/17/23 11:04      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:39	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B    Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 20:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 20:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 20:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 20:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 20:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 20:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 20:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 20:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 20:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 20:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 20:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 20:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 20:08	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A    Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:32	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>57.9</b>	mg/L	25.0	25.0	1		02/20/23 12:44		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 02:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 02:55	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 02:55	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-57		Lab ID: 92652734019		Collected: 02/16/23 11:08		Received: 02/17/23 11:04		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:05		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:05		
Collected Date	<b>02/16/23</b>				1		03/08/23 15:05		
Collected Time	<b>11:08</b>				1		03/08/23 15:05		
pH	<b>7.06</b>	Std. Units			1		03/08/23 15:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>91.6</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:44	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 20:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 20:14	7440-38-2	
Barium	<b>0.063</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 20:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 20:14	7440-41-7	
Boron	<b>0.16</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 20:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 20:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 20:14	7440-47-3	
Cobalt	<b>0.00051J</b>	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 20:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 20:14	7439-92-1	
Lithium	<b>0.00082J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 20:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 20:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 20:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 20:14	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:35	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>421</b>	mg/L	25.0	25.0	1		02/20/23 12:45		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.2</b>	mg/L	1.0	0.60	1		02/21/23 03:11	16887-00-6	
Fluoride	<b>0.077J</b>	mg/L	0.10	0.050	1		02/21/23 03:11	16984-48-8	
Sulfate	<b>77.7</b>	mg/L	1.0	0.50	1		02/21/23 03:11	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

**Sample: MIT-PZ-17**      **Lab ID: 92652734020**      Collected: 02/16/23 10:40      Received: 02/17/23 11:04      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:07		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:07		
Collected Date	<b>02/16/23</b>				1		03/08/23 15:07		
Collected Time	<b>10:40</b>				1		03/08/23 15:07		
pH	<b>7.14</b>	Std. Units			1		03/08/23 15:07		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>94.1</b>	mg/L	1.0	0.12	1	03/01/23 12:45	03/01/23 21:48	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B    Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:49	03/02/23 20:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:49	03/02/23 20:20	7440-38-2	
Barium	<b>0.059</b>	mg/L	0.0050	0.00067	1	03/01/23 10:49	03/02/23 20:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:49	03/02/23 20:20	7440-41-7	
Boron	<b>0.15</b>	mg/L	0.040	0.0086	1	03/01/23 10:49	03/02/23 20:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:49	03/02/23 20:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:49	03/02/23 20:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:49	03/02/23 20:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:49	03/02/23 20:20	7439-92-1	
Lithium	<b>0.0014J</b>	mg/L	0.030	0.00073	1	03/01/23 10:49	03/02/23 20:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 10:49	03/02/23 20:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:49	03/02/23 20:20	7782-49-2	
Thallium	<b>0.00038J</b>	mg/L	0.0010	0.00018	1	03/01/23 10:49	03/02/23 20:20	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A    Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:37	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>299</b>	mg/L	25.0	25.0	1		02/20/23 12:45		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.1</b>	mg/L	1.0	0.60	1		02/21/23 03:26	16887-00-6	
Fluoride	<b>0.077J</b>	mg/L	0.10	0.050	1		02/21/23 03:26	16984-48-8	
Sulfate	<b>54.2</b>	mg/L	1.0	0.50	1		02/21/23 03:26	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Sample: MIT-PZ-33		Lab ID: 92652734021		Collected: 02/16/23 13:45		Received: 02/17/23 11:04		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		03/08/23 15:08		
Collected By	<b>Daniel Howard</b>				1		03/08/23 15:08		
Collected Date	<b>02/16/23</b>				1		03/08/23 15:08		
Collected Time	<b>13:45</b>				1		03/08/23 15:08		
pH	<b>7.13</b>	Std. Units			1		03/08/23 15:08		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>92.2</b>	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:17	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 15:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 15:45	7440-38-2	
Barium	<b>0.040</b>	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 15:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 15:45	7440-41-7	
Boron	<b>0.31</b>	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 15:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 15:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 15:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 15:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 15:45	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	03/01/23 13:15	03/03/23 15:45	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	03/01/23 13:15	03/03/23 15:45	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 15:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 15:45	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 10:45	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>293</b>	mg/L	25.0	25.0	1		02/20/23 12:46		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.3</b>	mg/L	1.0	0.60	1		02/21/23 03:42	16887-00-6	
Fluoride	<b>0.082J</b>	mg/L	0.10	0.050	1		02/21/23 03:42	16984-48-8	
Sulfate	<b>36.0</b>	mg/L	1.0	0.50	1		02/21/23 03:42	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

QC Batch: 758718

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005, 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020

METHOD BLANK: 3940790

Matrix: Water

Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005, 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/23 19:33	

LABORATORY CONTROL SAMPLE: 3940791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3940792 3940793

Parameter	Units	3940792		3940793		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	164	1	1	154	158	-1010	-626	75-125	2	20 M1

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

QC Batch: 758785

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652734021

METHOD BLANK: 3941289

Matrix: Water

Associated Lab Samples: 92652734021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/23 22:08	

LABORATORY CONTROL SAMPLE: 3941290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941291 3941292

Parameter	Units	3941291		3941292		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	92.2	1	1	98.2	96.2	607	405	75-125	2	20 M1

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

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

QC Batch: 758719 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005, 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020

METHOD BLANK: 3940795 Matrix: Water  
Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005, 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/02/23 17:33	
Arsenic	mg/L	ND	0.0050	0.0022	03/02/23 17:33	
Barium	mg/L	ND	0.0050	0.00067	03/02/23 17:33	
Beryllium	mg/L	ND	0.00050	0.000054	03/02/23 17:33	
Boron	mg/L	ND	0.040	0.0086	03/02/23 17:33	
Cadmium	mg/L	ND	0.00050	0.00011	03/02/23 17:33	
Chromium	mg/L	ND	0.0050	0.0011	03/02/23 17:33	
Cobalt	mg/L	ND	0.0050	0.00039	03/02/23 17:33	
Lead	mg/L	ND	0.0010	0.00089	03/02/23 17:33	
Lithium	mg/L	ND	0.030	0.00073	03/02/23 17:33	
Molybdenum	mg/L	ND	0.010	0.00074	03/02/23 17:33	
Selenium	mg/L	ND	0.0050	0.0014	03/02/23 17:33	
Thallium	mg/L	ND	0.0010	0.00018	03/02/23 17:33	

LABORATORY CONTROL SAMPLE: 3940796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	1	0.93	93	80-120	
Cadmium	mg/L	0.1	0.090	90	80-120	
Chromium	mg/L	0.1	0.091	91	80-120	
Cobalt	mg/L	0.1	0.091	91	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Lithium	mg/L	0.1	0.095	95	80-120	
Molybdenum	mg/L	0.1	0.091	91	80-120	
Selenium	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3940797												3940798		
Parameter	Units	92652734005 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
			Spike Conc.	Spike Conc.										
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	106	105	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.090	0.090	90	90	75-125	0	20			
Barium	mg/L	ND	0.1	0.1	0.095	0.094	95	93	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.091	0.091	91	91	75-125	0	20			
Boron	mg/L	ND	1	1	0.91	0.90	91	90	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20			
Chromium	mg/L	ND	0.1	0.1	0.089	0.088	89	87	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.089	0.088	89	88	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	1	20			
Lithium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20			
Molybdenum	mg/L	ND	0.1	0.1	0.091	0.091	91	91	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.091	0.093	91	93	75-125	2	20			
Thallium	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20			

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

QC Batch: 758787      Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A      Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652734021

METHOD BLANK: 3941296      Matrix: Water  
Associated Lab Samples: 92652734021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/03/23 15:33	
Arsenic	mg/L	ND	0.0050	0.0022	03/03/23 15:33	
Barium	mg/L	ND	0.0050	0.00067	03/03/23 15:33	
Beryllium	mg/L	ND	0.00050	0.000054	03/03/23 15:33	
Boron	mg/L	ND	0.040	0.0086	03/03/23 15:33	
Cadmium	mg/L	ND	0.00050	0.00011	03/03/23 15:33	
Chromium	mg/L	ND	0.0050	0.0011	03/03/23 15:33	
Cobalt	mg/L	ND	0.0050	0.00039	03/03/23 15:33	
Lead	mg/L	ND	0.0010	0.00089	03/03/23 15:33	
Lithium	mg/L	ND	0.030	0.00073	03/03/23 15:33	
Molybdenum	mg/L	ND	0.010	0.00074	03/03/23 15:33	
Selenium	mg/L	ND	0.0050	0.0014	03/03/23 15:33	
Thallium	mg/L	ND	0.0010	0.00018	03/03/23 15:33	

LABORATORY CONTROL SAMPLE: 3941297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941298      3941299

Parameter	Units	92652194022 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.1	0.11	110	111	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.1	0.10	100	103	75-125	3	20	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Parameter	Units	92652194022		3941298		3941299		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Barium	mg/L	0.0080	0.1	0.1	0.11	0.11	103	103	75-125	0	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20			
Boron	mg/L	ND	1	1	0.97	1.0	97	100	75-125	3	20			
Cadmium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20			
Chromium	mg/L	0.0015J	0.1	0.1	0.10	0.11	100	104	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20			
Lead	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20			
Lithium	mg/L	0.00080J	0.1	0.1	0.099	0.10	98	101	75-125	4	20			
Molybdenum	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.099	0.10	99	103	75-125	4	20			
Thallium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20			

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

### REPORT OF LABORATORY ANALYSIS

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

**QUALITY CONTROL DATA**

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

QC Batch:	759115	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005

METHOD BLANK: 3943327 Matrix: Water  
Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 08:19	

LABORATORY CONTROL SAMPLE: 3943328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943329 3943330

Parameter	Units	3943329		3943330		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0024	0.0023	93	92	75-125	1	20	

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

**REPORT OF LABORATORY ANALYSIS**

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

QC Batch:	759117	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020, 92652734021

METHOD BLANK: 3943339 Matrix: Water

Associated Lab Samples: 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020, 92652734021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 09:42	

LABORATORY CONTROL SAMPLE: 3943340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943341 3943342

Parameter	Units	3943341		3943342		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0022	90	88	75-125	3	20

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

### REPORT OF LABORATORY ANALYSIS

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

**QUALITY CONTROL DATA**

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

QC Batch:	756651	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92652734005, 92652734006, 92652734007		

METHOD BLANK: 3931171 Matrix: Water

Associated Lab Samples: 92652734005, 92652734006, 92652734007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/17/23 14:02	

LABORATORY CONTROL SAMPLE: 3931172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	398	100	80-120	

SAMPLE DUPLICATE: 3931173

Parameter	Units	92652184002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	120	42	10	D6

SAMPLE DUPLICATE: 3931174

Parameter	Units	92652194008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.9	ND		10	

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

**REPORT OF LABORATORY ANALYSIS**

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

QC Batch: 756709 Analysis Method: SM 2540C-2015  
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016

METHOD BLANK: 3931548 Matrix: Water  
Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012, 92652734013, 92652734014, 92652734015, 92652734016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/19/23 13:18	

LABORATORY CONTROL SAMPLE: 3931549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	393	98	80-120	

SAMPLE DUPLICATE: 3931550

Parameter	Units	92652734008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	414	419	1	10	

SAMPLE DUPLICATE: 3931551

Parameter	Units	92652734001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	335	393	16	10 D6	

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

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

QC Batch: 756899

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652734017, 92652734018, 92652734019, 92652734020, 92652734021

METHOD BLANK: 3932259

Matrix: Water

Associated Lab Samples: 92652734017, 92652734018, 92652734019, 92652734020, 92652734021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/20/23 12:33	

LABORATORY CONTROL SAMPLE: 3932260

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3932261

Parameter	Units	92652194009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	149	208	33	10	D6

SAMPLE DUPLICATE: 3932262

Parameter	Units	92652194019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	111	92.9	18	10	D6

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

QC Batch: 757055 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: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005, 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012

METHOD BLANK: 3932986 Matrix: Water  
Associated Lab Samples: 92652734001, 92652734002, 92652734003, 92652734004, 92652734005, 92652734006, 92652734007, 92652734008, 92652734009, 92652734010, 92652734011, 92652734012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/20/23 23:06	
Fluoride	mg/L	ND	0.10	0.050	02/20/23 23:06	
Sulfate	mg/L	ND	1.0	0.50	02/20/23 23:06	

LABORATORY CONTROL SAMPLE: 3932987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3932988 3932989

Parameter	Units	92650847001		3932989		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	ND	50	50	49.6	51.1	98	101	90-110	3	10
Fluoride	mg/L	0.21	2.5	2.5	2.7	2.8	99	102	90-110	2	10
Sulfate	mg/L	7.2	50	50	56.7	58.2	99	102	90-110	3	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3932990 3932991

Parameter	Units	92652734003		3932991		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	6.2	50	50	56.2	57.6	100	103	90-110	2	10
Fluoride	mg/L	0.064J	2.5	2.5	2.6	2.6	100	103	90-110	3	10
Sulfate	mg/L	75.7	50	50	118	121	84	91	90-110	3	10 M1

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

QC Batch: 757056 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: 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020, 92652734021

METHOD BLANK: 3932992 Matrix: Water  
Associated Lab Samples: 92652734013, 92652734014, 92652734015, 92652734016, 92652734017, 92652734018, 92652734019, 92652734020, 92652734021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/20/23 23:35	
Fluoride	mg/L	ND	0.10	0.050	02/20/23 23:35	
Sulfate	mg/L	ND	1.0	0.50	02/20/23 23:35	

LABORATORY CONTROL SAMPLE: 3932993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.0	104	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	52.8	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3932994 3932995

Parameter	Units	92652734013		3932995		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	3.0	50	50	53.8	55.1	102	104	90-110	2	10
Fluoride	mg/L	0.063J	2.5	2.5	2.4	2.4	93	95	90-110	3	10
Sulfate	mg/L	1.6	50	50	52.7	53.9	102	105	90-110	2	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3932996 3932997

Parameter	Units	92652856001		3932997		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	270	50	50	321	323	102	106	90-110	1	10
Fluoride	mg/L	18.1	2.5	2.5	19.2	19.3	46	50	90-110	0	10 M1
Sulfate	mg/L	59.5	50	50	105	107	92	95	90-110	1	10

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

### REPORT OF LABORATORY ANALYSIS

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

## QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

---

### 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.

### ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652734001	MIT-PZ-7D				
92652734002	MIT-PZ-16				
92652734003	MIT-PZ-15				
92652734004	MIT-PZ-18				
92652734006	MIT-PZ-2D				
92652734007	MIT-PZ-32				
92652734008	MIT-PZ-23A				
92652734009	MIT-PZ-25				
92652734010	MIT-APA12-FD-02				
92652734011	MIT-PZ-19				
92652734012	MIT-APA12-FD-01				
92652734013	MIT-PZ-1D				
92652734014	MIT-PZ-31				
92652734015	MIT-PZ-14				
92652734019	MIT-PZ-57				
92652734020	MIT-PZ-17				
92652734021	MIT-PZ-33				
92652734001	MIT-PZ-7D	EPA 3010A	758718	EPA 6010D	758877
92652734002	MIT-PZ-16	EPA 3010A	758718	EPA 6010D	758877
92652734003	MIT-PZ-15	EPA 3010A	758718	EPA 6010D	758877
92652734004	MIT-PZ-18	EPA 3010A	758718	EPA 6010D	758877
92652734005	MIT-APA12-FB-01	EPA 3010A	758718	EPA 6010D	758877
92652734006	MIT-PZ-2D	EPA 3010A	758718	EPA 6010D	758877
92652734007	MIT-PZ-32	EPA 3010A	758718	EPA 6010D	758877
92652734008	MIT-PZ-23A	EPA 3010A	758718	EPA 6010D	758877
92652734009	MIT-PZ-25	EPA 3010A	758718	EPA 6010D	758877
92652734010	MIT-APA12-FD-02	EPA 3010A	758718	EPA 6010D	758877
92652734011	MIT-PZ-19	EPA 3010A	758718	EPA 6010D	758877
92652734012	MIT-APA12-FD-01	EPA 3010A	758718	EPA 6010D	758877
92652734013	MIT-PZ-1D	EPA 3010A	758718	EPA 6010D	758877
92652734014	MIT-PZ-31	EPA 3010A	758718	EPA 6010D	758877
92652734015	MIT-PZ-14	EPA 3010A	758718	EPA 6010D	758877
92652734016	MIT-APA12-EB-01	EPA 3010A	758718	EPA 6010D	758877
92652734017	MIT-APA12-EB-02	EPA 3010A	758718	EPA 6010D	758877
92652734018	MIT-APA12-FB-02	EPA 3010A	758718	EPA 6010D	758877
92652734019	MIT-PZ-57	EPA 3010A	758718	EPA 6010D	758877
92652734020	MIT-PZ-17	EPA 3010A	758718	EPA 6010D	758877
92652734021	MIT-PZ-33	EPA 3010A	758785	EPA 6010D	758881
92652734001	MIT-PZ-7D	EPA 3005A	758719	EPA 6020B	758855
92652734002	MIT-PZ-16	EPA 3005A	758719	EPA 6020B	758855
92652734003	MIT-PZ-15	EPA 3005A	758719	EPA 6020B	758855
92652734004	MIT-PZ-18	EPA 3005A	758719	EPA 6020B	758855
92652734005	MIT-APA12-FB-01	EPA 3005A	758719	EPA 6020B	758855
92652734006	MIT-PZ-2D	EPA 3005A	758719	EPA 6020B	758855
92652734007	MIT-PZ-32	EPA 3005A	758719	EPA 6020B	758855
92652734008	MIT-PZ-23A	EPA 3005A	758719	EPA 6020B	758855
92652734009	MIT-PZ-25	EPA 3005A	758719	EPA 6020B	758855

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2

Pace Project No.: 92652734

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652734010	MIT-APA12-FD-02	EPA 3005A	758719	EPA 6020B	758855
92652734011	MIT-PZ-19	EPA 3005A	758719	EPA 6020B	758855
92652734012	MIT-APA12-FD-01	EPA 3005A	758719	EPA 6020B	758855
92652734013	MIT-PZ-1D	EPA 3005A	758719	EPA 6020B	758855
92652734014	MIT-PZ-31	EPA 3005A	758719	EPA 6020B	758855
92652734015	MIT-PZ-14	EPA 3005A	758719	EPA 6020B	758855
92652734016	MIT-APA12-EB-01	EPA 3005A	758719	EPA 6020B	758855
92652734017	MIT-APA12-EB-02	EPA 3005A	758719	EPA 6020B	758855
92652734018	MIT-APA12-FB-02	EPA 3005A	758719	EPA 6020B	758855
92652734019	MIT-PZ-57	EPA 3005A	758719	EPA 6020B	758855
92652734020	MIT-PZ-17	EPA 3005A	758719	EPA 6020B	758855
92652734021	MIT-PZ-33	EPA 3005A	758787	EPA 6020B	758884
92652734001	MIT-PZ-7D	EPA 7470A	759115	EPA 7470A	759162
92652734002	MIT-PZ-16	EPA 7470A	759115	EPA 7470A	759162
92652734003	MIT-PZ-15	EPA 7470A	759115	EPA 7470A	759162
92652734004	MIT-PZ-18	EPA 7470A	759115	EPA 7470A	759162
92652734005	MIT-APA12-FB-01	EPA 7470A	759115	EPA 7470A	759162
92652734006	MIT-PZ-2D	EPA 7470A	759117	EPA 7470A	759165
92652734007	MIT-PZ-32	EPA 7470A	759117	EPA 7470A	759165
92652734008	MIT-PZ-23A	EPA 7470A	759117	EPA 7470A	759165
92652734009	MIT-PZ-25	EPA 7470A	759117	EPA 7470A	759165
92652734010	MIT-APA12-FD-02	EPA 7470A	759117	EPA 7470A	759165
92652734011	MIT-PZ-19	EPA 7470A	759117	EPA 7470A	759165
92652734012	MIT-APA12-FD-01	EPA 7470A	759117	EPA 7470A	759165
92652734013	MIT-PZ-1D	EPA 7470A	759117	EPA 7470A	759165
92652734014	MIT-PZ-31	EPA 7470A	759117	EPA 7470A	759165
92652734015	MIT-PZ-14	EPA 7470A	759117	EPA 7470A	759165
92652734016	MIT-APA12-EB-01	EPA 7470A	759117	EPA 7470A	759165
92652734017	MIT-APA12-EB-02	EPA 7470A	759117	EPA 7470A	759165
92652734018	MIT-APA12-FB-02	EPA 7470A	759117	EPA 7470A	759165
92652734019	MIT-PZ-57	EPA 7470A	759117	EPA 7470A	759165
92652734020	MIT-PZ-17	EPA 7470A	759117	EPA 7470A	759165
92652734021	MIT-PZ-33	EPA 7470A	759117	EPA 7470A	759165
92652734001	MIT-PZ-7D	SM 2540C-2015	756709		
92652734002	MIT-PZ-16	SM 2540C-2015	756709		
92652734003	MIT-PZ-15	SM 2540C-2015	756709		
92652734004	MIT-PZ-18	SM 2540C-2015	756709		
92652734005	MIT-APA12-FB-01	SM 2540C-2015	756651		
92652734006	MIT-PZ-2D	SM 2540C-2015	756651		
92652734007	MIT-PZ-32	SM 2540C-2015	756651		
92652734008	MIT-PZ-23A	SM 2540C-2015	756709		
92652734009	MIT-PZ-25	SM 2540C-2015	756709		
92652734010	MIT-APA12-FD-02	SM 2540C-2015	756709		
92652734011	MIT-PZ-19	SM 2540C-2015	756709		
92652734012	MIT-APA12-FD-01	SM 2540C-2015	756709		
92652734013	MIT-PZ-1D	SM 2540C-2015	756709		

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2  
Pace Project No.: 92652734

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652734014	MIT-PZ-31	SM 2540C-2015	756709		
92652734015	MIT-PZ-14	SM 2540C-2015	756709		
92652734016	MIT-APA12-EB-01	SM 2540C-2015	756709		
92652734017	MIT-APA12-EB-02	SM 2540C-2015	756899		
92652734018	MIT-APA12-FB-02	SM 2540C-2015	756899		
92652734019	MIT-PZ-57	SM 2540C-2015	756899		
92652734020	MIT-PZ-17	SM 2540C-2015	756899		
92652734021	MIT-PZ-33	SM 2540C-2015	756899		
92652734001	MIT-PZ-7D	EPA 300.0 Rev 2.1 1993	757055		
92652734002	MIT-PZ-16	EPA 300.0 Rev 2.1 1993	757055		
92652734003	MIT-PZ-15	EPA 300.0 Rev 2.1 1993	757055		
92652734004	MIT-PZ-18	EPA 300.0 Rev 2.1 1993	757055		
92652734005	MIT-APA12-FB-01	EPA 300.0 Rev 2.1 1993	757055		
92652734006	MIT-PZ-2D	EPA 300.0 Rev 2.1 1993	757055		
92652734007	MIT-PZ-32	EPA 300.0 Rev 2.1 1993	757055		
92652734008	MIT-PZ-23A	EPA 300.0 Rev 2.1 1993	757055		
92652734009	MIT-PZ-25	EPA 300.0 Rev 2.1 1993	757055		
92652734010	MIT-APA12-FD-02	EPA 300.0 Rev 2.1 1993	757055		
92652734011	MIT-PZ-19	EPA 300.0 Rev 2.1 1993	757055		
92652734012	MIT-APA12-FD-01	EPA 300.0 Rev 2.1 1993	757055		
92652734013	MIT-PZ-1D	EPA 300.0 Rev 2.1 1993	757056		
92652734014	MIT-PZ-31	EPA 300.0 Rev 2.1 1993	757056		
92652734015	MIT-PZ-14	EPA 300.0 Rev 2.1 1993	757056		
92652734016	MIT-APA12-EB-01	EPA 300.0 Rev 2.1 1993	757056		
92652734017	MIT-APA12-EB-02	EPA 300.0 Rev 2.1 1993	757056		
92652734018	MIT-APA12-FB-02	EPA 300.0 Rev 2.1 1993	757056		
92652734019	MIT-PZ-57	EPA 300.0 Rev 2.1 1993	757056		
92652734020	MIT-PZ-17	EPA 300.0 Rev 2.1 1993	757056		
92652734021	MIT-PZ-33	EPA 300.0 Rev 2.1 1993	757056		

### REPORT OF LABORATORY ANALYSIS

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



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92652734

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:



Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/16/23 MS

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: 5.1 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): 5.1

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 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

3946 7316 6331

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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

\*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, L/Hg

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

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

WO#: 92652734

PM: BV

Due Date: 03/02/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG5T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A -- lab)	SP2T-250 mL Sterile Plastic (N/A -- lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

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

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



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Puro

Project #:

Empty box for Project #

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/16/23 MS

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: 5.1 Correction Factor: Add/Subtract (°C) +0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 5.1

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 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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

Project #

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

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-)	WG9U-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)	DG9H-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)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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



DC# Title: ENV FRM HUN1 0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Pacer

Project #:

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/16/23 MS

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: 5.1 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): 5.1

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 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-HUNT-0083 V02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

Project #

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber MH4Cl (N/A)(Cl)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GX (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

**pH Adjustment Log for Preserved Samples**

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

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



DC# Title: ENV-FRM-HUN1-0083-v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  YES  No

Date/Initials Person Examining Contents: 2/16/23 MS

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: 5.1 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): 5.1

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 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-HUNT-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

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

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

**pH Adjustment Log for Preserved Samples**

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

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



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #

WO#: 92652734

PM: BV

Due Date: 03/02/23

CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2-17-23/RY

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?

Thermometer:

Yes  No  N/A

IR Gun ID:

230

Type of Ice:

Wet  Blue  None

Cooler Temp:

5.6

Correction Factor:

+0.2

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

5.8

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input checked="" 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 checked="" type="checkbox"/> Yes <input 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: 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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

WO#: 92652734

PM: BV

Due Date: 03/02/23

CLIENT: GA-GA Power

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-)	WG7U-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

BP2N

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).



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2-17-23/AL

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: 4.9 Correction Factor: Add/Subtract (°C) 10.2

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

Cooler Temp Corrected (°C): 4.9

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 checked="" 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 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:	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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

Project #

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1M-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

**pH Adjustment Log for Preserved Samples**

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

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



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Requested Client Information Company: Georgia Power-CCR Address: 241 Ralph McGill Blvd Bin 10185 Atlanta, GA 30308 Email To: jbruhain@southernco.com Phone: _____ Fax: _____ Requested Due Date/TAT: 10 Day	<b>Section B</b> Requested Project Information Report To: SCS Contacts Copy To: WSP Est (aka Wood) Contacts: Rhonda Quinn Michelle Barker Purchase Order No.: _____ Project Name: Mitchell AP-A, AP-1, AP-2 Project Number: 6122160170	<b>Section C</b> Invoice Information Attention: SCSInvoices@southernco.com Company Name: Southern Company Address: _____ Phone: _____ Reference: _____ Price Request Manager: Bonnie Vang Price Profile #: 10834-5
---	---	--

ITEM #	Section D Requested Client Information Valid Matrix Codes Matrix Code (see valid codes to left) Sample Type (G=GRAB C=COMP) DATE TIME DATE TIME SAMPLE TEMP AT COLLECTION # OF CONTAINERS Unpreserved H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol Other Analysis Test Cl, F, SO <sub>4</sub> TSS Appendix III/IV Metals Radium 9315/9320	COLLECTED		Requested Analytes Filtered (Y/N)	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)		
		Composite Grab	Composite Batched									
1	MIT-PZ-7D	M6G		2/5/23 1442								
2	MIT-PZ-16	M6G		2/15/23 1046								
3	MIT-PZ-15	M6G		2/15/23 1400								
4	MIT-PZ-18	M6G		2/15/23 1535								
5												
6												
7												
8												
9												
10												
11												
12												

MIT-CCR-KASSANT-2023ST	RELINQUISHED BY / AFFILIATION Daniel Howard / WSP	DATE 2/15/23	TIME 1715	ACCEPTED BY / AFFILIATION David Howard	DATE 2/15/23	TIME 1205	SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Daniel Howard SIGNATURE of SAMPLER: David Howard DATE Signed (MM/DD/YYYY): 02/15/22					Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
------------------------	--	-----------------	--------------	---	-----------------	--------------	--	--	--	--	--	------------	-----------------------	-----------------------------	----------------------

Page: 1 of 1

Important Note: By signing this form you are accepting FACS's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Georgia Power-CCR, 241 Ralph McGill Blvd Bldg 10185, Atlanta, GA 30308, jehrahman@southernco.com

Section B Required Project Information: Report To: SCS Contacts, Copy To: WSP E&I (Kra Wood) Contacts: Rhonda Quinn, Michelle Barker, Purchase Order No.:

Section C Invoice Information: Attention: scsinvoices@southernco.com, Company Name: Southern Company, Address: Pace Quote, Sales/Invoice, Pace Project: Bonnie Yang, Manager, Pace Profile #:

REGULATORY AGENCY:  NPDES  GROUND WATER  DRINKING WATER  UST  RCRA  OTHER  GCR

REGULATORY AGENCY STATE:  GA

Requested Date/Time: \_\_\_\_\_ to \_\_\_\_\_ Project Number: 6122160170

Requested Analyte Filtered (Y/N): \_\_\_\_\_

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODES DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL WASTE WIP WIP AIR AR OTHER OT TIS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
					DATE	TIME							
1	MIT-APAI2-EB-01		WG G	MIT	2/15/23	1045	5	2					
2	MIT-PZ-2D		WG G	MIT	2/15/23	1330	5	2					
3	MIT-PZ-32		WG G	MIT	2/15/23	1422	5	2					
4	MIT-PZ-23A		WG G	MIT	2/15/23	1704	5	2					
5													
6													
7													
8													
9													
10													
11													
12													

ADDITIONAL COMMENTS: Daniel Howard WSP 2/15/23 1715 Margie Simard 2/16/23 1208

REQUISITIONED BY / AFFILIATION: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

ACCEPTED BY / AFFILIATION: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

SAMPLER NAME AND SIGNATURE: Daniel Howard  
 PRINT NAME OF SAMPLER: Daniel Howard  
 SIGNATURE OF SAMPLER: Daniel Howard  
 DATE SIGNED (MM/DD/YY): 02/15/23

Temp in °C: \_\_\_\_\_ Received on Ice (Y/N): \_\_\_\_\_ Custody Sealed Cooler (Y/N): \_\_\_\_\_ Samples Intact (Y/N): \_\_\_\_\_

90652734  
005  
Pace Project No./Lab ID.  
pH=7.97 006  
pH=7.36 007  
pH=6.75 008

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information:  
Company: Georgia Power-CCR  
Address: 241 Ralph McGill Blvd Bin 10185  
Atlanta, GA 30308  
Email To: jbraham@southernco.com  
Phone:  Fax  
Requested Due Date/AT: 10 Day

**Section B** Required Project Information:  
Report To: SGS Contacts  
Copy To: WSP Est (Ira Wood) Contacts: Rhonda Quinn  
Purchase Order No.: Michelle Barker  
Project Name: Mitchell AP-A, AP-1, AP-2  
Project Number: 6122160170

**Section C** Invoice Information:  
Attention: scslinvoices@southernco.com  
Company Name: Southern Company  
Address:  
Pace Grade  
Reference: Bonnie Yang  
Price Project Manager:  
Pace Project #  
Requested Analyte Filtered (Y/N)

**REGULATORY AGENCY**  
NIDES  GROUND WATER  DRINKING WATER  
UST  RCRA  OTHER   
Site Location: GA  
STATE:

Page: 1 of 1

ITEM #	Section D Required Client Information	Valid Matrix Codes MATERIAL CODE BRACKEN WATER WATER WATER PRODUCT SOLID CL WIRE AIR OTHER TIBISE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS	
					COMPOSITE START	COMPOSITE END/DATE			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol					Other
1	MIT-PZ-25		WG C	G	DATE	TIME	DATE	TIME	5	2	3									
2	MIT-APPAR-FD-02		WG G	G	DATE	TIME	DATE	TIME	5	2	3									
3	MIT-PZ-19		WG G	G	DATE	TIME	DATE	TIME	5	2	3									
4	MIT-APPAR-FD-01		WG G	G	DATE	TIME	DATE	TIME	5	2	3									
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

**ADDITIONAL COMMENTS** RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME

MIT-CCR-ASSMNT-20351 Daniel Howard SANSR 2/15/23 1715 Mary Ann Ormrod 2/16/23 1548

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Daniel Howard  
SIGNATURE of SAMPLER: Daniel Howard  
DATE Signed (MM/DD/YY): 02/15/23

Temp in °C  
Received on Ice (Y/N)  
Custody Sealed Cooler (Y/N)  
Samples Intact (Y/N)

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any services not paid within 30 days.  
F-ALL-Q-020rev.07, 15-Feb-2007



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information: Company: Georgia Power-CCR Address: 241 Ralph McGill Blvd Bldg 10185 Atlanta, GA 30308 Email To: jabraham@southernco.com Phone: _____ Fax: _____ Requested Due Date/TAT: 30 Day	<b>Section B</b> Required Project Information: Report To: SCS Contacts Copy To: WSP Ed (Kia Wood) Contacts: Rhonda Quinn Michelle Barker Purchase Order No.: _____ Project Name: Mitchell AP-A, AP-1, AP-2 Project Number: 6122160170	<b>Section C</b> Physical Information: Attention: scsinvoices@southernco.com Company Name: Southern Company Address: _____ Site Code: _____ Reference: _____ Project: Bonnie Yang Manager: _____ Price Profile #: _____
<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/> CCR		
Site Location STATE: GA		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX Drinking Water WATER WASTE WATER PRODUCT SOIL/SOLID SLURRY WIRE AIR OTHER TIS	Valid Matrix Codes CODES DW WWT WW P SL WP AR OT TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)					
				MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)			DATE	TIME	DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>				HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other
1	MIT-PZ-1D			WG G			5															
2	MIT-PZ-31			WG G			5															
3	MIT-PZ-14			WG G			5															
4	MIT-APAI2-ER-01			WR G			5															

Face Project No. Lab ID:  
 01652734  
 pH = 7.43 @ 13  
 pH = 7.09 @ 14  
 pH = 7.04 @ 15  
 016

ADDITIONAL COMMENTS MIT-CCR-ASSMT-202331 Daniel Howard Daniel Howard Daniel Howard	RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Daniel Howard SIGNATURE of SAMPLER: Daniel Howard	
DATE Signed (MM/DD/YY): 02/15/23	DATE (MM/DD/YY): 2/15/2023
Temp in °C	Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)	Samples intact (Y/N)

Important Note: By signing this form you are accepting Part's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any arrears not paid within 30 days.  
 F-ALL-Q-020rev.07, 15-Feb-2007



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

<b>Section A</b> Required Client Information: Company: Georgia Power-COR Address: 241 Ralph McGill Blvd Bin 10185 Atlanta, GA 30308 Email To: jbraham@southernco.com Phone: F ax: Requested Due Date/TAT: 10 Day		<b>Section B</b> Required Project Information: Report To: SCS Contacts Copy To: WSP Ed (Ika Wood) Contacts: Rhonda Quinn Michelle Barker Purchase Order No.: Project Name: Mitchell AP-A, AP-1, AP-2 Project Number: 6122160170		<b>Section C</b> Invoice Information: Attention: scsinvocs@southernco.com Company Name: Southern Company Address: Page Quote Reference: Bonnie Yang Face Project Manager: Face Profile #:	
REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER CCR			Requested Analysis Filtered (Y/N) <input type="checkbox"/> Y <input type="checkbox"/> N Residual Chlorine (Y/N) <input type="checkbox"/> Y <input type="checkbox"/> N		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Coder (Y/N)	Samples Intact (Y/N)
									Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol						
1	MIT-APPA12-ER-02	NA G	2/14/23	0850	2/14/23	0945		5	2	3											
2	MIT-APPA12-FB-02	NA G	2/14/23	0945	2/14/23	1108		5	2	3											
3	MIT-PZ-57	WG G						5	2	3											

**ADDITIONAL COMMENTS**  
 RELINQUISHED BY / AFFILIATION: Daniel Howard / WSP 2/16/23 1615  
 ACCEPTED BY / AFFILIATION: [Signature] 2/16/23 11:00am

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Daniel Howard  
 SIGNATURE of SAMPLER: [Signature]  
 DATE Signed (MM/DD/YYYY): 02/16/23

\*Important Note: By signing this form you are accepting Face's MET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.  
 F-ALL-Q-020REV.07, 15-Feb-2007





# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A		Section B		Section C	
Requested Client Information:		Requested Project Information:		Invoice Information:	
Company:	Georgia Power-CCR	Report To:	SCS Contacts	Attention:	scsinvoices@southenco.com
Address:	241 Ralph McGill Blvd Bldg 10185 Atlanta, GA 30308	Copy To:	WSP E&I (Ika Wood) Contacts: Rhonda Quinn Michelle Barber	Company Name:	Southern Company
Email To:	jbrahham@southenco.com	Purchase Order No.:		Address:	
Phone:		Project Name:	Michelle AP-A, AP-1, AP-2	State:	
Requested Due Date/AT:	10 Day	Project Number:	6122160170	Personnel:	Bonnie Yang
				Project Profile #:	

ITEM #	Section D Requested Client Information <b>SAMPLE ID</b> (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	VALID Matrix Codes LAIRIE CODE DOMESTIC WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SIL OK OI WIFE WP AIR AR OTHER OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE STRAT	COMPOSITE ENDORSED	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol Other	Analysis Test CI, F, SO <sub>4</sub> TDS Appendix III/IV Metals Radium 9315/9320	Requested Analysis Filtered (Y/N)	Regulatory Agency NIDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER CCR <input type="checkbox"/>	Site Location STATE: GA	Residual Chlorine (Y/N)		
																			RELINQUISHED BY / AFFILIATION	DATE
1	MIT-PZ-17		WG	G								5	2	X						
2	MIT-PZ-33		WG	G								5	2	X						
3												5	2	X						
4												5	2	X						
5												5	2	X						
6												5	2	X						
7												5	2	X						
8												5	2	X						
9												5	2	X						
10												5	2	X						
11												5	2	X						
12												5	2	X						

93652734  
Pace Project No./Lab ID.  
PH=7.14 080  
pH=7.13 021

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
MIT-COR-ASSMT-2023S1		D. Howard/WSP		3/16/23		1615		D. Howard		5-17/23		11:09 am			

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY):	02/16/23
PRINT Name of SAMPLER:		Daniel Howard	
SIGNATURE of SAMPLER:			

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

March 29, 2023

Michelle Barker  
WOOD E&I  
1075 Big Shanty Rd  
Suite 100  
Kennesaw, GA 30144

RE: Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Dear Michelle Barker:

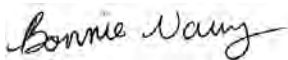
Enclosed are the analytical results for sample(s) received by the laboratory between February 16, 2023 and February 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where 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)875-9092  
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR  
Noelia Gangi, Georgia Power  
Ben Hodges, Georgia Power-CCR  
Kristen Jurinko  
Laura Midkiff, Georgia Power  
Rhonda Quinn, WSP  
Michael Smilley, Georgia Power  
Tina Sullivan, ERM  
Greg Wrenn, WOOD E&I



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

---

### **Pace Analytical Services Pennsylvania**

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601  
ANAB DOD-ELAP Rad Accreditation #: L2417  
Alabama Certification #: 41590  
Arizona Certification #: AZ0734  
Arkansas Certification  
California Certification #: 04222CA  
Colorado Certification #: PA01547  
Connecticut Certification #: PH-0694  
Delaware Certification  
EPA Region 4 DW Rad  
Florida/TNI Certification #: E87683  
Georgia Certification #: C040  
Florida: Cert E871149 SEKS WET  
Guam Certification  
Hawaii Certification  
Idaho Certification  
Illinois Certification  
Indiana Certification  
Iowa Certification #: 391  
Kansas/TNI Certification #: E-10358  
Kentucky Certification #: KY90133  
KY WW Permit #: KY0098221  
KY WW Permit #: KY0000221  
Louisiana DHH/TNI Certification #: LA180012  
Louisiana DEQ/TNI Certification #: 4086  
Maine Certification #: 2017020  
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 #: PA014572018-1  
New Hampshire/TNI Certification #: 297617  
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 #: PA200002-010  
Pennsylvania/TNI Certification #: 65-00282  
Puerto Rico Certification #: PA01457  
Rhode Island Certification #: 65-00282  
South Dakota Certification  
Tennessee Certification #: 02867  
Texas/TNI Certification #: T104704188-17-3  
Utah/TNI Certification #: PA014572017-9  
USDA Soil Permit #: P330-17-00091  
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  
Wyoming Certification #: 8TMS-L

---

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92652738001	MIT-PZ-7D	Water	02/15/23 14:42	02/16/23 12:08
92652738002	MIT-PZ-16	Water	02/15/23 10:40	02/16/23 12:08
92652738003	MIT-PZ-15	Water	02/15/23 14:00	02/16/23 12:08
92652738004	MIT-PZ-18	Water	02/15/23 15:35	02/16/23 12:08
92652738005	MIT-APA12-FB-01	Water	02/14/23 10:45	02/16/23 12:08
92652738006	MIT-PZ-2D	Water	02/14/23 12:20	02/16/23 12:08
92652738007	MIT-PZ-32	Water	02/14/23 14:22	02/16/23 12:08
92652738008	MIT-PZ-23A	Water	02/14/23 17:04	02/16/23 12:08
92652738009	MIT-PZ-1D	Water	02/14/23 11:45	02/16/23 12:08
92652738010	MIT-PZ-31	Water	02/14/23 14:05	02/16/23 12:08
92652738011	MIT-PZ-14	Water	02/14/23 15:40	02/16/23 12:08
92652738012	MIT-APA12-EB-01	Water	02/15/23 08:40	02/16/23 12:08
92652738013	MIT-PZ-25	Water	02/15/23 10:40	02/16/23 12:08
92652738014	MIT-APA12-FD-02	Water	02/15/23 00:00	02/16/23 12:08
92652738015	MIT-PZ-19	Water	02/15/23 12:45	02/16/23 12:08
92652738016	MIT-APA12-FD-01	Water	02/15/23 00:00	02/16/23 12:08
92652738017	MIT-APA12-EB-02	Water	02/16/23 08:50	02/17/23 11:04
92652738018	MIT-APA12-FB-02	Water	02/16/23 09:45	02/17/23 11:04
92652738019	MIT-PZ-57	Water	02/16/23 11:08	02/17/23 11:04
92652738020	MIT-PZ-17	Water	02/16/23 10:40	02/17/23 11:04
92652738021	MIT-PZ-33	Water	02/16/23 13:45	02/17/23 11:04

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92652738001	MIT-PZ-7D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738002	MIT-PZ-16	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738003	MIT-PZ-15	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738004	MIT-PZ-18	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738005	MIT-APA12-FB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738006	MIT-PZ-2D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738007	MIT-PZ-32	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738008	MIT-PZ-23A	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738009	MIT-PZ-1D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738010	MIT-PZ-31	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738011	MIT-PZ-14	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738012	MIT-APA12-EB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738013	MIT-PZ-25	EPA 9315	SLC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92652738014	MIT-APA12-FD-02	EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
92652738015	MIT-PZ-19	Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738016	MIT-APA12-FD-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92652738017	MIT-APA12-EB-02	EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
92652738018	MIT-APA12-FB-02	Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92652738019	MIT-PZ-57	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92652738020	MIT-PZ-17	EPA 9320	JGH	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JGH	1	PASI-PA
92652738021	MIT-PZ-33	Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2 RADS  
 Pace Project No.: 92652738

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652738001</b>	<b>MIT-PZ-7D</b>					
EPA 9315	Radium-226	0.0854 ± 0.0978 (0.201)	pCi/L		03/14/23 08:55	
EPA 9320	Radium-228	C:91% T:NA 0.411 ± 0.329 (0.644)	pCi/L		03/06/23 15:56	
Total Radium Calculation	Total Radium	C:80% T:84% 0.496 ± 0.427 (0.845)	pCi/L		03/14/23 14:07	
<b>92652738002</b>	<b>MIT-PZ-16</b>					
EPA 9315	Radium-226	0.0138 ± 0.0688 (0.179)	pCi/L		03/14/23 08:55	
EPA 9320	Radium-228	C:87% T:NA 0.123 ± 0.341 (0.765)	pCi/L		03/06/23 15:56	
Total Radium Calculation	Total Radium	C:79% T:85% 0.137 ± 0.410 (0.944)	pCi/L		03/14/23 14:07	
<b>92652738003</b>	<b>MIT-PZ-15</b>					
EPA 9315	Radium-226	0.123 ± 0.106 (0.187)	pCi/L		03/14/23 08:55	
EPA 9320	Radium-228	C:78% T:NA 0.752 ± 0.467 (0.872)	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	C:75% T:81% 0.875 ± 0.573 (1.06)	pCi/L		03/14/23 14:07	
<b>92652738004</b>	<b>MIT-PZ-18</b>					
EPA 9315	Radium-226	-0.0141 ± 0.0558 (0.172)	pCi/L		03/14/23 08:55	
EPA 9320	Radium-228	C:93% T:NA 0.828 ± 0.384 (0.615)	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	C:77% T:90% 0.828 ± 0.440 (0.787)	pCi/L		03/14/23 14:07	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652738005</b>	<b>MIT-APA12-FB-01</b>					
EPA 9315	Radium-226	0.0582 ± 0.104 (0.237) C:94% T:NA	pCi/L		03/14/23 09:12	
EPA 9320	Radium-228	0.337 ± 0.325 (0.661) C:77% T:88%	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	0.395 ± 0.429 (0.898)	pCi/L		03/14/23 14:07	
<b>92652738006</b>	<b>MIT-PZ-2D</b>					
EPA 9315	Radium-226	0.0630 ± 0.0833 (0.175) C:88% T:NA	pCi/L		03/14/23 08:29	
EPA 9320	Radium-228	0.423 ± 0.345 (0.678) C:73% T:93%	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	0.486 ± 0.428 (0.853)	pCi/L		03/14/23 14:07	
<b>92652738007</b>	<b>MIT-PZ-32</b>					
EPA 9315	Radium-226	0.00696 ± 0.0488 (0.136) C:94% T:NA	pCi/L		03/14/23 08:29	
EPA 9320	Radium-228	0.144 ± 0.414 (0.924) C:77% T:90%	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	0.151 ± 0.463 (1.06)	pCi/L		03/14/23 14:07	
<b>92652738008</b>	<b>MIT-PZ-23A</b>					
EPA 9315	Radium-226	0.250 ± 0.122 (0.136) C:95% T:NA	pCi/L		03/14/23 08:29	
EPA 9320	Radium-228	0.271 ± 0.357 (0.762) C:79% T:96%	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	0.521 ± 0.479 (0.898)	pCi/L		03/14/23 14:07	

### REPORT OF LABORATORY ANALYSIS

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



### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652738009</b>	<b>MIT-PZ-1D</b>					
EPA 9315	Radium-226	0.0514 ± 0.0827 (0.183) C:92% T:NA	pCi/L		03/14/23 08:29	
EPA 9320	Radium-228	0.268 ± 0.412 (0.891) C:80% T:92%	pCi/L		03/06/23 15:53	
Total Radium Calculation	Total Radium	0.319 ± 0.495 (1.07)	pCi/L		03/14/23 14:07	
<b>92652738010</b>	<b>MIT-PZ-31</b>					
EPA 9315	Radium-226	0.102 ± 0.0874 (0.151) C:95% T:NA	pCi/L		03/14/23 08:41	
EPA 9320	Radium-228	-0.129 ± 0.379 (0.896) C:78% T:95%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.102 ± 0.466 (1.05)	pCi/L		03/14/23 14:07	
<b>92652738011</b>	<b>MIT-PZ-14</b>					
EPA 9315	Radium-226	0.0857 ± 0.0839 (0.156) C:92% T:NA	pCi/L		03/14/23 08:41	
EPA 9320	Radium-228	-0.301 ± 0.335 (0.840) C:79% T:84%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.0857 ± 0.419 (0.996)	pCi/L		03/14/23 14:07	
<b>92652738012</b>	<b>MIT-APA12-EB-01</b>					
EPA 9315	Radium-226	0.0601 ± 0.0705 (0.136) C:92% T:NA	pCi/L		03/14/23 08:41	
EPA 9320	Radium-228	0.205 ± 0.287 (0.616) C:82% T:97%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.265 ± 0.358 (0.752)	pCi/L		03/14/23 14:07	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652738013</b>	<b>MIT-PZ-25</b>					
EPA 9315	Radium-226	0.343 ± 0.146 (0.150) C:93% T:NA	pCi/L		03/14/23 08:42	
EPA 9320	Radium-228	0.141 ± 0.292 (0.646) C:82% T:89%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.484 ± 0.438 (0.796)	pCi/L		03/14/23 14:07	
<b>92652738014</b>	<b>MIT-APA12-FD-02</b>					
EPA 9315	Radium-226	0.203 ± 0.141 (0.253) C:93% T:NA	pCi/L		03/14/23 08:42	
EPA 9320	Radium-228	0.555 ± 0.359 (0.672) C:82% T:90%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.758 ± 0.500 (0.925)	pCi/L		03/14/23 14:07	
<b>92652738015</b>	<b>MIT-PZ-19</b>					
EPA 9315	Radium-226	0.147 ± 0.109 (0.184) C:93% T:NA	pCi/L		03/14/23 08:42	
EPA 9320	Radium-228	0.505 ± 0.430 (0.864) C:71% T:87%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.652 ± 0.539 (1.05)	pCi/L		03/14/23 14:07	
<b>92652738016</b>	<b>MIT-APA12-FD-01</b>					
EPA 9315	Radium-226	0.199 ± 0.118 (0.176) C:95% T:NA	pCi/L		03/14/23 08:42	
EPA 9320	Radium-228	0.190 ± 0.307 (0.667) C:78% T:93%	pCi/L		03/06/23 15:54	
Total Radium Calculation	Total Radium	0.389 ± 0.425 (0.843)	pCi/L		03/14/23 14:07	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652738017</b>	<b>MIT-APA12-EB-02</b>					
EPA 9315	Radium-226	0.0594 ± 0.0711 (0.141) C:98% T:NA	pCi/L		03/14/23 08:32	
EPA 9320	Radium-228	-0.444 ± 0.358 (0.887) C:81% T:93%	pCi/L		03/06/23 15:55	
Total Radium Calculation	Total Radium	0.0594 ± 0.429 (1.03)	pCi/L		03/14/23 14:07	
<b>92652738018</b>	<b>MIT-APA12-FB-02</b>					
EPA 9315	Radium-226	0.0113 ± 0.0486 (0.130) C:96% T:NA	pCi/L		03/14/23 08:32	
EPA 9320	Radium-228	0.441 ± 0.444 (0.922) C:76% T:87%	pCi/L		03/06/23 15:55	
Total Radium Calculation	Total Radium	0.452 ± 0.493 (1.05)	pCi/L		03/14/23 14:07	
<b>92652738019</b>	<b>MIT-PZ-57</b>					
EPA 9315	Radium-226	0.193 ± 0.116 (0.165) C:87% T:NA	pCi/L		03/14/23 08:32	
EPA 9320	Radium-228	-0.0690 ± 0.345 (0.809) C:84% T:91%	pCi/L		03/06/23 15:55	
Total Radium Calculation	Total Radium	0.193 ± 0.461 (0.974)	pCi/L		03/14/23 14:07	
<b>92652738020</b>	<b>MIT-PZ-17</b>					
EPA 9315	Radium-226	0.109 ± 0.0885 (0.139) C:87% T:NA	pCi/L		03/14/23 08:32	
EPA 9320	Radium-228	0.0196 ± 0.360 (0.826) C:83% T:95%	pCi/L		03/06/23 15:55	
Total Radium Calculation	Total Radium	0.129 ± 0.449 (0.965)	pCi/L		03/14/23 14:07	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92652738021</b>	<b>MIT-PZ-33</b>					
EPA 9315	Radium-226	0.120 ± 0.0901 (0.143) C:93% T:NA	pCi/L		03/14/23 08:55	
EPA 9320	Radium-228	0.645 ± 0.333 (0.560) C:81% T:92%	pCi/L		03/03/23 15:01	
Total Radium Calculation	Total Radium	0.765 ± 0.423 (0.703)	pCi/L		03/14/23 15:02	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-7D</b> <b>Lab ID: 92652738001</b> Collected: 02/15/23 14:42      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0854 ± 0.0978 (0.201)</b> <b>C:91% T:NA</b>	pCi/L	03/14/23 08:55	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.411 ± 0.329 (0.644)</b> <b>C:80% T:84%</b>	pCi/L	03/06/23 15:56	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.496 ± 0.427 (0.845)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-16</b> <b>Lab ID: 92652738002</b> Collected: 02/15/23 10:40      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>0.0138 ± 0.0688 (0.179)</b> <b>C:87% T:NA</b>	pCi/L	03/14/23 08:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.123 ± 0.341 (0.765)</b> <b>C:79% T:85%</b>	pCi/L	03/06/23 15:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.137 ± 0.410 (0.944)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-15</b> <b>Lab ID: 92652738003</b> Collected: 02/15/23 14:00      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.123 ± 0.106 (0.187)</b> <b>C:78% T:NA</b>	pCi/L	03/14/23 08:55	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.752 ± 0.467 (0.872)</b> <b>C:75% T:81%</b>	pCi/L	03/06/23 15:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.875 ± 0.573 (1.06)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-18</b> <b>Lab ID: 92652738004</b> Collected: 02/15/23 15:35      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>-0.0141 ± 0.0558 (0.172)</b> <b>C:93% T:NA</b>	pCi/L	03/14/23 08:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.828 ± 0.384 (0.615)</b> <b>C:77% T:90%</b>	pCi/L	03/06/23 15:53	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.828 ± 0.440 (0.787)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-APA12-FB-01</b> <b>Lab ID: 92652738005</b> Collected: 02/14/23 10:45      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0582 ± 0.104 (0.237)</b> <b>C:94% T:NA</b>	pCi/L	03/14/23 09:12	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.337 ± 0.325 (0.661)</b> <b>C:77% T:88%</b>	pCi/L	03/06/23 15:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.395 ± 0.429 (0.898)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-2D</b> <b>Lab ID: 92652738006</b> Collected: 02/14/23 12:20      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0630 ± 0.0833 (0.175)</b> <b>C:88% T:NA</b>	pCi/L	03/14/23 08:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.423 ± 0.345 (0.678)</b> <b>C:73% T:93%</b>	pCi/L	03/06/23 15:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.486 ± 0.428 (0.853)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

**Sample: MIT-PZ-32**      **Lab ID: 92652738007**      Collected: 02/14/23 14:22      Received: 02/16/23 12:08      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	<b>0.00696 ± 0.0488 (0.136)</b> <b>C:94% T:NA</b>	pCi/L	03/14/23 08:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.144 ± 0.414 (0.924)</b> <b>C:77% T:90%</b>	pCi/L	03/06/23 15:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.151 ± 0.463 (1.06)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

**Sample: MIT-PZ-23A**      **Lab ID: 92652738008**      Collected: 02/14/23 17:04      Received: 02/16/23 12:08      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	<b>0.250 ± 0.122 (0.136)</b> <b>C:95% T:NA</b>	pCi/L	03/14/23 08:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.271 ± 0.357 (0.762)</b> <b>C:79% T:96%</b>	pCi/L	03/06/23 15:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.521 ± 0.479 (0.898)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-1D</b> <b>Lab ID: 92652738009</b> Collected: 02/14/23 11:45      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0514 ± 0.0827 (0.183)</b> <b>C:92% T:NA</b>	pCi/L	03/14/23 08:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.268 ± 0.412 (0.891)</b> <b>C:80% T:92%</b>	pCi/L	03/06/23 15:53	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.319 ± 0.495 (1.07)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-31</b> <b>Lab ID: 92652738010</b> Collected: 02/14/23 14:05      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.102 ± 0.0874 (0.151)</b> <b>C:95% T:NA</b>	pCi/L	03/14/23 08:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>-0.129 ± 0.379 (0.896)</b> <b>C:78% T:95%</b>	pCi/L	03/06/23 15:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.102 ± 0.466 (1.05)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-14</b> <b>Lab ID: 92652738011</b> Collected: 02/14/23 15:40      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0857 ± 0.0839 (0.156)</b> <b>C:92% T:NA</b>	pCi/L	03/14/23 08:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>-0.301 ± 0.335 (0.840)</b> <b>C:79% T:84%</b>	pCi/L	03/06/23 15:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.0857 ± 0.419 (0.996)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-APA12-EB-01</b> <b>Lab ID: 92652738012</b> Collected: 02/15/23 08:40      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.0601 ± 0.0705 (0.136)</b> <b>C:92% T:NA</b>	pCi/L	03/14/23 08:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.205 ± 0.287 (0.616)</b> <b>C:82% T:97%</b>	pCi/L	03/06/23 15:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.265 ± 0.358 (0.752)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-25</b> <b>Lab ID: 92652738013</b> Collected: 02/15/23 10:40      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.343 ± 0.146 (0.150)</b> <b>C:93% T:NA</b>	pCi/L	03/14/23 08:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.141 ± 0.292 (0.646)</b> <b>C:82% T:89%</b>	pCi/L	03/06/23 15:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.484 ± 0.438 (0.796)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

**Sample: MIT-APA12-FD-02**      **Lab ID: 92652738014**      Collected: 02/15/23 00:00      Received: 02/16/23 12:08      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	<b>0.203 ± 0.141 (0.253)</b> <b>C:93% T:NA</b>	pCi/L	03/14/23 08:42	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.555 ± 0.359 (0.672)</b> <b>C:82% T:90%</b>	pCi/L	03/06/23 15:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.758 ± 0.500 (0.925)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

**ANALYTICAL RESULTS - RADIOCHEMISTRY**

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-19</b> <b>Lab ID: 92652738015</b> Collected: 02/15/23 12:45      Received: 02/16/23 12:08      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.147 ± 0.109 (0.184)</b> <b>C:93% T:NA</b>	pCi/L	03/14/23 08:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.505 ± 0.430 (0.864)</b> <b>C:71% T:87%</b>	pCi/L	03/06/23 15:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.652 ± 0.539 (1.05)</b>	pCi/L	03/14/23 14:07	7440-14-4	

**REPORT OF LABORATORY ANALYSIS**

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

**Sample: MIT-APA12-FD-01**      **Lab ID: 92652738016**      Collected: 02/15/23 00:00      Received: 02/16/23 12:08      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	<b>0.199 ± 0.118 (0.176)</b> <b>C:95% T:NA</b>	pCi/L	03/14/23 08:42	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.190 ± 0.307 (0.667)</b> <b>C:78% T:93%</b>	pCi/L	03/06/23 15:54	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.389 ± 0.425 (0.843)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

**Sample: MIT-APA12-EB-02**      **Lab ID: 92652738017**      Collected: 02/16/23 08:50      Received: 02/17/23 11:04      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	<b>0.0594 ± 0.0711 (0.141)</b> <b>C:98% T:NA</b>	pCi/L	03/14/23 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>-0.444 ± 0.358 (0.887)</b> <b>C:81% T:93%</b>	pCi/L	03/06/23 15:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.0594 ± 0.429 (1.03)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-APA12-FB-02</b> <b>Lab ID: 92652738018</b> Collected: 02/16/23 09:45      Received: 02/17/23 11:04      Matrix: Water PWS:      Site ID:      Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>0.0113 ± 0.0486 (0.130)</b> <b>C:96% T:NA</b>	pCi/L	03/14/23 08:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.441 ± 0.444 (0.922)</b> <b>C:76% T:87%</b>	pCi/L	03/06/23 15:55	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.452 ± 0.493 (1.05)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-57</b> <b>Lab ID: 92652738019</b> Collected: 02/16/23 11:08      Received: 02/17/23 11:04      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.193 ± 0.116 (0.165)</b> <b>C:87% T:NA</b>	pCi/L	03/14/23 08:32	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>-0.0690 ± 0.345 (0.809)</b> <b>C:84% T:91%</b>	pCi/L	03/06/23 15:55	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.193 ± 0.461 (0.974)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
<b>Sample: MIT-PZ-17</b> <b>Lab ID: 92652738020</b> Collected: 02/16/23 10:40      Received: 02/17/23 11:04      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.109 ± 0.0885 (0.139)</b> <b>C:87% T:NA</b>	pCi/L	03/14/23 08:32	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.0196 ± 0.360 (0.826)</b> <b>C:83% T:95%</b>	pCi/L	03/06/23 15:55	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.129 ± 0.449 (0.965)</b>	pCi/L	03/14/23 14:07	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

**Sample: MIT-PZ-33**      **Lab ID: 92652738021**      Collected: 02/16/23 13:45      Received: 02/17/23 11:04      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	<b>0.120 ± 0.0901 (0.143)</b> <b>C:93% T:NA</b>	pCi/L	03/14/23 08:55	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.645 ± 0.333 (0.560)</b> <b>C:81% T:92%</b>	pCi/L	03/03/23 15:01	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.765 ± 0.423 (0.703)</b>	pCi/L	03/14/23 15:02	7440-14-4	

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

---

QC Batch:	569464	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92652738001, 92652738002, 92652738003, 92652738004, 92652738005, 92652738006, 92652738007, 92652738008, 92652738009, 92652738010, 92652738011, 92652738012, 92652738013, 92652738014, 92652738015, 92652738016, 92652738017, 92652738018, 92652738019, 92652738020

---

METHOD BLANK:	2765355	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 92652738001, 92652738002, 92652738003, 92652738004, 92652738005, 92652738006, 92652738007, 92652738008, 92652738009, 92652738010, 92652738011, 92652738012, 92652738013, 92652738014, 92652738015, 92652738016, 92652738017, 92652738018, 92652738019, 92652738020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.00612 ± 0.256 (0.602) C:82% T:89%	pCi/L	03/06/23 15:56	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

QC Batch: 569677

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92652738021

METHOD BLANK: 2766629

Matrix: Water

Associated Lab Samples: 92652738021

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.117 ± 0.282 (0.631) C:80% T:91%	pCi/L	03/03/23 15:01	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

QC Batch: 569463

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92652738001, 92652738002, 92652738003, 92652738004, 92652738005, 92652738006, 92652738007, 92652738008, 92652738009, 92652738010, 92652738011, 92652738012, 92652738013, 92652738014, 92652738015, 92652738016, 92652738017, 92652738018, 92652738019, 92652738020

METHOD BLANK: 2765353

Matrix: Water

Associated Lab Samples: 92652738001, 92652738002, 92652738003, 92652738004, 92652738005, 92652738006, 92652738007, 92652738008, 92652738009, 92652738010, 92652738011, 92652738012, 92652738013, 92652738014, 92652738015, 92652738016, 92652738017, 92652738018, 92652738019, 92652738020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0229 ± 0.0637 (0.156) C:105% T:NA	pCi/L	03/14/23 09:55	

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

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

QC Batch: 569674

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92652738021

METHOD BLANK: 2766627

Matrix: Water

Associated Lab Samples: 92652738021

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.00342 ± 0.0688 (0.194) C:86% T:NA	pCi/L	03/14/23 08:55	

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

### REPORT OF LABORATORY ANALYSIS

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

## QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

---

### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2 RADS  
Pace Project No.: 92652738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652738001	MIT-PZ-7D	EPA 9315	569463		
92652738002	MIT-PZ-16	EPA 9315	569463		
92652738003	MIT-PZ-15	EPA 9315	569463		
92652738004	MIT-PZ-18	EPA 9315	569463		
92652738005	MIT-APA12-FB-01	EPA 9315	569463		
92652738006	MIT-PZ-2D	EPA 9315	569463		
92652738007	MIT-PZ-32	EPA 9315	569463		
92652738008	MIT-PZ-23A	EPA 9315	569463		
92652738009	MIT-PZ-1D	EPA 9315	569463		
92652738010	MIT-PZ-31	EPA 9315	569463		
92652738011	MIT-PZ-14	EPA 9315	569463		
92652738012	MIT-APA12-EB-01	EPA 9315	569463		
92652738013	MIT-PZ-25	EPA 9315	569463		
92652738014	MIT-APA12-FD-02	EPA 9315	569463		
92652738015	MIT-PZ-19	EPA 9315	569463		
92652738016	MIT-APA12-FD-01	EPA 9315	569463		
92652738017	MIT-APA12-EB-02	EPA 9315	569463		
92652738018	MIT-APA12-FB-02	EPA 9315	569463		
92652738019	MIT-PZ-57	EPA 9315	569463		
92652738020	MIT-PZ-17	EPA 9315	569463		
92652738021	MIT-PZ-33	EPA 9315	569674		
92652738001	MIT-PZ-7D	EPA 9320	569464		
92652738002	MIT-PZ-16	EPA 9320	569464		
92652738003	MIT-PZ-15	EPA 9320	569464		
92652738004	MIT-PZ-18	EPA 9320	569464		
92652738005	MIT-APA12-FB-01	EPA 9320	569464		
92652738006	MIT-PZ-2D	EPA 9320	569464		
92652738007	MIT-PZ-32	EPA 9320	569464		
92652738008	MIT-PZ-23A	EPA 9320	569464		
92652738009	MIT-PZ-1D	EPA 9320	569464		
92652738010	MIT-PZ-31	EPA 9320	569464		
92652738011	MIT-PZ-14	EPA 9320	569464		
92652738012	MIT-APA12-EB-01	EPA 9320	569464		
92652738013	MIT-PZ-25	EPA 9320	569464		
92652738014	MIT-APA12-FD-02	EPA 9320	569464		
92652738015	MIT-PZ-19	EPA 9320	569464		
92652738016	MIT-APA12-FD-01	EPA 9320	569464		
92652738017	MIT-APA12-EB-02	EPA 9320	569464		
92652738018	MIT-APA12-FB-02	EPA 9320	569464		
92652738019	MIT-PZ-57	EPA 9320	569464		
92652738020	MIT-PZ-17	EPA 9320	569464		
92652738021	MIT-PZ-33	EPA 9320	569677		
92652738001	MIT-PZ-7D	Total Radium Calculation	573717		
92652738002	MIT-PZ-16	Total Radium Calculation	573717		
92652738003	MIT-PZ-15	Total Radium Calculation	573717		
92652738004	MIT-PZ-18	Total Radium Calculation	573717		
92652738005	MIT-APA12-FB-01	Total Radium Calculation	573717		

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2 RADS

Pace Project No.: 92652738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652738006	MIT-PZ-2D	Total Radium Calculation	573717		
92652738007	MIT-PZ-32	Total Radium Calculation	573717		
92652738008	MIT-PZ-23A	Total Radium Calculation	573717		
92652738009	MIT-PZ-1D	Total Radium Calculation	573717		
92652738010	MIT-PZ-31	Total Radium Calculation	573717		
92652738011	MIT-PZ-14	Total Radium Calculation	573717		
92652738012	MIT-APA12-EB-01	Total Radium Calculation	573717		
92652738013	MIT-PZ-25	Total Radium Calculation	573717		
92652738014	MIT-APA12-FD-02	Total Radium Calculation	573717		
92652738015	MIT-PZ-19	Total Radium Calculation	573717		
92652738016	MIT-APA12-FD-01	Total Radium Calculation	573717		
92652738017	MIT-APA12-EB-02	Total Radium Calculation	573717		
92652738018	MIT-APA12-FB-02	Total Radium Calculation	573717		
92652738019	MIT-PZ-57	Total Radium Calculation	573717		
92652738020	MIT-PZ-17	Total Radium Calculation	573717		
92652738021	MIT-PZ-33	Total Radium Calculation	573750		

### REPORT OF LABORATORY ANALYSIS

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





DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Puro

Project #:

WO#: 92652738



Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/16/23 MS

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: 5.1 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): 5.1

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 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

3946 7316 6331

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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

**WO# : 92652738**

PM: BV

Due Date: 03/09/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

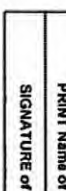
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company	Georgia Power-CCR	Report To	SCS Contacts	Attention:	sctshinivas@southemco.com
Address:	241 Ralph McGill Blvd Bin 10185	Copy To:	WSP E&I (Rka Wood) Contacts: Rhonda Quinn	Company Name	Southern Company
	Atlanta, GA 30308	Michelle Barker		Address	
Email To:	jabraham@southemco.com	Purchase Order No		Pace Quote Reference	
Phone	Fax	Project Name	Mitchell AP-A, AP-1, AP-2	Pace Project Manager	Bonnie Yang
Requested Due Date/TAT:	10 Day	Project Number	6122160170	Pace Profile #	10834-2

ITEM #	Section D Required Client Information  Valid Matrix Codes (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Regulatory Analyte Filtered (Y/N)	Residual Chlorine (Y/N)
			DATE	TIME						
1	MIT-PZ-7D	WGG				5				
2	MIT-PZ-16	WGG				5				
3	MIT-PZ-15	WGG				5				
4	MIT-PZ-18	WGG				5				
5										
6										
7										
8										
9										
10										
11										
12										

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Daniel Howard/WSP	2/15/23	1715	Clayton Parks	2/15/23	1205

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Daniel Howard	DATE Signed (MM/DD/YYYY): 02/15/23
SIGNATURE of SAMPLER: 	
Temp in °C	Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information Company: Georgia Power CCR Address: 241 Ralph McGill Blvd Bldg 10185 Atlanta, GA 30308 Email To: jabrham@southernco.com Phone: <input type="checkbox"/> Fax Requested Due Date/TAT: 10 Day	<b>Section B</b> Required Project Information: Report To: SCS Contacts Copy To: WSP E&I (Rka Wood) Contacts: Rhonda Quinn Purchase Order No: Michelle Barker Project Name: Mitchell AP-A, AP-1, AP-2 Project Number: 6122160170	<b>Section C</b> Invoice Information: Attention: scsinvoices@southernco.com Company Name: Southern Company Address: POC: Bonnie Vang Reference: Pace Project Manager Pace Profile #	<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER CCR Site Location: GA STATE:
--	---	--	--

ITEM #	Section D Required Client Information  Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW WATER P PRODUCT SL SOLID WP OIL WP WIPE WP AIR OT OTHER IS Sample IDs MUST BE UNIQUE (A-Z, 0-9 / -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)
				DATE	TIME						
1	MIT-APAI2-EB-01	WG G	G	2/14/23	1045	5	Unpreserved	<input checked="" type="checkbox"/> Cl, F, SO4 <input checked="" type="checkbox"/> TDS <input checked="" type="checkbox"/> Appendix III/IV Metals <input checked="" type="checkbox"/> Radium 9315/9320			
2	MIT-PZ-2D	WG G	G	2/14/23	1220	5		<input checked="" type="checkbox"/> Cl, F, SO4 <input checked="" type="checkbox"/> TDS <input checked="" type="checkbox"/> Appendix III/IV Metals <input checked="" type="checkbox"/> Radium 9315/9320			
3	MIT-PZ-32	WG G	G	2/14/23	1422	5		<input checked="" type="checkbox"/> Cl, F, SO4 <input checked="" type="checkbox"/> TDS <input checked="" type="checkbox"/> Appendix III/IV Metals <input checked="" type="checkbox"/> Radium 9315/9320			
4	MIT-PZ-23A	WG G	G	2/14/23	1704	5		<input checked="" type="checkbox"/> Cl, F, SO4 <input checked="" type="checkbox"/> TDS <input checked="" type="checkbox"/> Appendix III/IV Metals <input checked="" type="checkbox"/> Radium 9315/9320			
5											
6											
7											
8											
9											
10											
11											
12											

<b>REQUISITIONED BY / AFFILIATION</b>	<b>ACCEPTED BY / AFFILIATION</b>
Daniel Howard WSP 2/15/23 1715	Margie Simms 2/16/23 12:08

<b>SAMPLER NAME AND SIGNATURE</b>	
PRINT Name of SAMPLER: Daniel Howard	DATE Signed (MM/DD/YY): 02/15/23
SIGNATURE of SAMPLER: Daniel Howard	
Temp in °C	Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to rate charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev 07, 15-Feb-2007



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		1	1		1	1																		2				
2		1	1		1	1																		2				
3		1	1		1	1																		2				
4		1	1		1	1																		2				
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

**pH Adjustment Log for Preserved Samples**

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

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



DC#\_ Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Puro

Project #:

Empty box for Project #

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/16/23 MS

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: 5.1 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): 5.1

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 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 CDC? <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: \_\_\_\_\_



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

### Section A

### Section B

### Section C

Required Client Information:	Company: Georgia Power-CCR	Report To: SCS Contacts	Attention: scsinvoices@southernco.com
Address:	241 Ralph McGill Blvd Bin 10185 Atlanta, GA 30308	Copy To: WSP Edl (Rka Wood) Contacts: Rhonda Quirin Michelle Barker	Company Name: Southern Company
Email To:	jabraham@southernco.com	Purchase Order No:	Address:
Phone:		Project Name: Mitchell AP-A, AP-1, AP-2	Reference: Bonnele Vang
Requested Due Date/TAT:	10 Day	Project Number: 6122160170	Manager:
			Requested Analysis Filtered (Y/N)
			Regulatory Agency:
			Site Location STATE: GA
			Temp in °C
			Received on Ice (Y/N)
			Custody Sealed Cooler (Y/N)
			Samples intact (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER OW WATER WWT WASTE WATER WW PRODUCT P SOIL/SOLID SL OK OK WPE WP AIR AR OTHER OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
					COMPOSITE START	COMPOSITE ENDING						
1	MIT-PZ-1D		WG G	G	2/14/23	11:45	5	2				
2	MIT-PZ-31		WG G	G	2/14/23	14:05	5	2				
3	MIT-PZ-14		WG G	G	2/14/23	15:40	5	2				
4	MIT-APAI2-ER-01		WR G	G	2/19/23	08:40	5	2				
5												
6												
7												
8												
9												
10												
11												
12												

90652798  
 Face Project No./ Lab I.D.  
 pH = 7.43 009  
 pH = 7.09 010  
 pH = 7.04 011  
 012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
MIT-CCR-ASSMT-2023S1	David Howard	2/15/23	17:15	444	2/14	12:08				

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Daniel Howard	DATE Signed (MM/DD/YYYY): 02/15/23
SIGNATURE of SAMPLER: [Signature]	

\*Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.  
 F-ALL-Q-020rev 07\_15-Feb-2007



DC#\_ Title: ENV-FRM-HUNT-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

Project #

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

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

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





DC# Title: ENV FRM HUN1 0082 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Purce

Project #:

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  YES  No

Date/Initials Person Examining Contents: 2/16/23 US

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: 5.1 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): 5.1

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 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: \_\_\_\_\_

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information		<b>Section B</b> Requested Project Information		<b>Section C</b> Invoice Information							
Company: Georgia Power-CCR	Address: 241 Ralph McGill Blvd Bldg 10185	Report To: SCS Contacts	Copy To: WSP E&I (Ika Wood) Contacts: Rhonda Quinn	Attention: scsinvoices@southernco.com	Company Name: Southern Company						
Email To: jbrahram@southernco.com	Atlanta, GA 30308	Michelle Barker	Address:	Pace Quote Reference:	Bonnie Yang						
Phone: _____ Fax: _____	Purchase Order No.:	Project Name: Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Pace Profile #:							
Requested Due Date/TAT: 10 Day	Project Number: 6122160170	<table border="0"> <tr> <td>Requested Analysis Filtered (Y/N)</td> <td>REGULATORY AGENCY</td> </tr> <tr> <td></td> <td> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER  <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/> CCR             </td> </tr> <tr> <td></td> <td>                 Site Location STATE: <u>GA</u> </td> </tr> </table>				Requested Analysis Filtered (Y/N)	REGULATORY AGENCY		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/> CCR		Site Location STATE: <u>GA</u>
Requested Analysis Filtered (Y/N)	REGULATORY AGENCY										
	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/> CCR										
	Site Location STATE: <u>GA</u>										

ITEM #	Section D Required Client Information	Valid Matrix Codes CODE MATRIZ	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
			COMPOSITE START	COMPOSITE END/CHAS			DATE	TIME	DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl					NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
1	MIT-PZ-25	WG G				5 2														
2	MIT-PZ-MIT-APAR-FD-02	WG G				5 2														
3	MIT-PZ-19	WG G				5 2														
4	MIT-APAR-FD-01	WG G				2 2														

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
MIT-CCR-ASSMUT-202351		Daniel Howard		2/15/23		1715		Mary A. Simms		2/16/23		12:08			

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Daniel Howard
SIGNATURE of SAMPLER:	<i>Daniel Howard</i>
DATE Signed (MM/DD/YY):	02/15/23

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev 07, 15-Feb-2007



DC#\_ Title: ENV-FRM-HUNT-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

Project #

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

**pH Adjustment Log for Preserved Samples**

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

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



DC# Title: ENV FRM HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: [Empty Box]

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/16/23 [Signature]

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: 5.1 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): 5.1

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 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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: WO#: 92652738  
PM: BV Due Date: 03/09/23  
CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer:  IR Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 5.6 Correction Factor: Add/Subtract (°C) 10.2  
Cooler Temp Corrected (°C): 5.8

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

Biological Tissue Frozen?  Yes  No  N/A  
Temp should be above freezing to 6°C  
 Samples out of temp criteria. Samples on ice, cooling process has begun

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

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

COMMENTS/SAMPLE DISCREPANCY \_\_\_\_\_ Field Data Required?  Yes  No

CLIENT NOTIFICATION/RESOLUTION \_\_\_\_\_ Lot ID of split containers: \_\_\_\_\_

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

**WO# : 92652738**

PM: BV

Due Date: 03/09/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

**pH Adjustment Log for Preserved Samples**

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

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



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 of 1

<b>Section A</b> Required Client Information		<b>Section B</b> Required Project Information		<b>Section C</b> Invoice Information	
Company: Georgia Power-CCR	Report To: SCS Contacts	Attention: scsinvoices@southernco.com	Company Name: Southern Company	Company Name: Southern Company	REGULATORY AGENCY
Address: 241 Ralph McGill Blvd Bin 10185	Copy To: WSP E&I (Ika Wood) Contacts: Rhonda Quinn	Address: Michelle Barker	Address: Southern Company	Address: Southern Company	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
City: Atlanta, GA 30308	Purchase Order No.:	Project Name: Mitchell AP-A, AP-1, AP-2	Project Name: Mitchell AP-A, AP-1, AP-2	Project Name: Mitchell AP-A, AP-1, AP-2	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> CCR
Email To: jbraham@southernco.com	Project Number: 6122160170	Project Profile #:	Project Profile #:	Project Profile #:	Site Location: GA
Phone:	Requested Due Date/TAT: 10 Day				STATE:

ITEM #	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW WATER PRODUCT P SOILS/SOLID SL OIL OIL WIPE WIP AIR AIR OTHER OT TISSUE TS	SAMPLE TYPE (G=GRAB Q=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol Other	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			COMPOSITE START	COMPOSITE END/DATE					
1	MIT-APA12-EB-02	MG	2/16/23	0850		5	2	3	
2	MIT-APA12-FB-02	MG	2/16/23	0945		5	2	3	
3	MIT-PZ-57	MG	2/16/23	1108		5	1	3	
4									
5									
6									
7									
8									
9									
10									
11									
12									

ADDITIONAL COMMENTS: MIT-CCR-ASSMT-2023S1

RELINQUISHED BY / AFFILIATION: Daniel Howard / WSP 2/16/23 1615

ACCEPTED BY / AFFILIATION: [Signature] 2/16/23 11:00am

DATE: 2/16/23

TIME: 11:00am

Temp in °C: \_\_\_\_\_

Received on: \_\_\_\_\_

Ice (Y/N): \_\_\_\_\_

Custody Sealed: \_\_\_\_\_

Cooler (Y/N): \_\_\_\_\_

Samples Intact: \_\_\_\_\_

92652738  
Pace Project No./ Lab I.D.

017  
018  
pH=7.06 019

SAMPLER NAME AND SIGNATURE:  
PRINT Name of SAMPLER: Daniel Howard  
SIGNATURE OF SAMPLER: [Signature]  
DATE SIGNED (MM/DD/YYYY): 02/16/23

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to site charges of \$ 5.00 per month for any invoices not paid within 30 days



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information		<b>Section B</b> Required Project Information		<b>Section C</b> Invoice Information	
Company	Georgia Power-CCR	Report To	SCS Contacts	Attention	scsinvoices@southernco.com
Address	241 Ralph McGill Blvd Bin 10185	Copy To	WSP E&I (Ika Wood) Contacts: Rhonda Quinn	Company Name	Southern Company
	Allantia, GA 30308	Purchase Order No.	Michelle Barker	Address	
Email To	jbraham@southernco.com	Project Name	Mitchell AP-A, AP-1, AP-2	Pace Quote Reference	
Phone		Project Number	6122160170	Pace Project Manager	Bonnie Yang
Requested Due Date/TAT:	10 Day			Site Location	GA

Page: 1 of 1

**REGULATORY AGENCY**

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER CCR  
 State: \_\_\_\_\_

ITEM #	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT SPILL-PRODUCED SL OL OL VWP AIR OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		PRESERVATIVES	ANALYSIS TESTS	RESIDUAL CHLORINE (Y/N)
				COMPOSITE START	COMPOSITE END/GRAB			
				DATE	TIME	DATE	TIME	
1	MIT-PZ-17	WG	G	2/16/23	1040	Unpreserved	CL, F, SO4	
2	MIT-PZ-33	WG	G	2/16/23	1345	H2SO4, HNO3, HCl, NaOH, Na2S2O8, Methanol, Other	CL, F, SO4, TDS, Appendix III/IV Metals, Medium 9315/9320	Residual Chlorine (Y/N)
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

92658738  
Pace Project No./ Lab I.D.  
PH=7.14 020  
PH=7.13 021

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
MIT-CCR-ASSMT-2023S1	Daniel Howard / WSP	2/16/23	1615		2-17-23	11:09 am	

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Daniel Howard  
SIGNATURE of SAMPLER: Daniel Howard  
DATE Signed (MM/DD/YY): 02/16/23





DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

Project # box

Courier:  Commercial  Fed Ex  Pace  UPS  USPS  Other:  Client

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2-17-23 AJ

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: 4.9 Correction Factor: Add/Subtract (°C) 10.2

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

Cooler Temp Corrected (°C): 4.9

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 checked="" 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 checked="" 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:	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 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

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

Project #

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

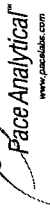
Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WG7U-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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

# Quality Control Sample Performance Assessment



Test: Ra-228  
Analyst: JGH  
Date: 3/7/2023  
Worklist: 71704  
Matrix:

Analyst Must Manually Enter All Fields Highlighted in Yellow.

**Method Blank Assessment**

MB Sample ID  
MB concentration:  
MB MDC:  
MB Numerical Performance Indicator:  
MB Status vs Numerical Indicator:  
MB Status vs. MDC:

LCSD (Y or N)?	N
LCSD71704	LCSD71704
Count Date:	3/10/2023
Spike I.D.:	22-040
Decay Corrected Spike Concentration (pCi/mL):	33.290
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.806
Target Conc. (pCi/L, g, F):	4.132
Uncertainty (Calculated):	0.202
Result (pCi/L, g, F):	2.718
Numerical Performance Indicator:	0.689
Percent Recovery:	-3.86
Status vs Numerical Indicator:	65.80%
Upper % Recovery Limits:	N/A
Lower % Recovery Limits:	Pass
	135%
	60%

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

**Duplicate Sample Assessment**

Sample I.D.:  
Duplicate Sample I.D.  
Sample Result (pCi/L, g, F):  
Sample Duplicate Result (pCi/L, g, F):

Are sample and/or duplicate results below RL?  
Duplicate Numerical Performance Indicator:  
Duplicate RPD:  
Duplicate Status vs Numerical Indicator:  
Duplicate Status vs RPD:  
% RPD Limit:

Enter Duplicate sample IDs if other than LCS/LCSD in the space below.

See Below ##

**Matrix Spike/Matrix Spike Duplicate Sample Assessment**

Sample I.D.  
Sample MS I.D.  
Sample MSD I.D.  
Sample Matrix Spike Result:  
Sample Matrix Spike Duplicate Result:  
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:

LCSD/LCSD RPD

$$\frac{65.80 - 78.39}{2} \times 100\% = 17.46\% \text{ RPD}$$

Acceptable

3/13/23

VAC  
3/13/23

# Quality Control Sample Performance Assessment



Test: Ra-228  
Analyst: JGH  
Date: 2/27/2023  
Worklist: 71704  
Matrix: WT

Method Blank Assessment	
MB Sample ID	2765355
MB concentration:	0.006
M/B 2 Sigma CSU:	0.256
MB MDC:	0.602
MB Numerical Performance Indicator:	0.05
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Analyst Must Manually Enter All Fields Highlighted in Yellow.

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

Laboratory Control Sample Assessment	LCSD (Y or N)?	
	LCSD Y	LCSD N
Count Date:	3/6/2023	LCSD71704
Spike I.D.:	22-040	36/2023
Decay Corrected Spike Concentration (pCi/mL):	33.333	22-040
Volume Used (mL):	0.10	33.333
Aliquot Volume (L, g, F):	0.805	0.10
Target Conc. (pCi/L, g, F):	4.137	4.141
Uncertainty (Calculated):	0.203	0.203
Result (pCi/L, g, F):	2.336	3.247
LCSD/LCSD 2 Sigma CSU (pCi/L, g, F):	0.650	0.839
Numerical Performance Indicator:	-5.18	-2.03
Percent Recovery:	56.48%	78.39%
Status vs Numerical Indicator:	Fail**	N/A
Status vs Recovery:	Fail Low**	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Duplicate Sample Assessment	Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.: Duplicate Sample I.D.: Sample Result (pCi/L, g, F): Sample Result 2 Sigma CSU (pCi/L, g, F): Sample Duplicate Result (pCi/L, g, F): Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): Ave. sample and/or duplicate results below RL? Duplicate Numerical Performance Indicator: Duplicate Numerical Performance Indicator: Duplicate RPD: Duplicate Status vs Numerical Indicator: Duplicate Status vs RPD: % RPD Limit:	Sample I.D.: Sample MS I.D.: Sample MSD I.D.: Sample Matrix Spike Result: Sample Matrix Spike Duplicate Result: Sample Matrix Spike Duplicate Result: Duplicate Numerical Performance Indicator: Duplicate Numerical Performance Indicator: 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:

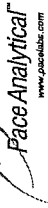
\*\*Batch must be re-prepped due to LCS failure

*[Handwritten signature]*

*LCSD RI due to possible detector issue - Re 119 counted / reanalyzed 3/10  
see additional QC sheet*

*VAL  
3/7/23*

# Quality Control Sample Performance Assessment



**Analyst Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-228  
Analyst: JJS1  
Date: 2/27/2023  
Worklist: 71709  
Matrix: WT

Method Blank Assessment	
MB Sample ID	2766629
MB concentration:	0.117
MB 2 Sigma CSU:	0.282
MB MDC:	0.631
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCS (Y or N)?	N
LCS71709	LCS71709
Count Date:	3/3/2023
Spike I.D.:	22-040
Decay Corrected Spike Concentration (pCi/mL):	33.366
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.801
Target Conc. (pCi/L, g, F):	4.164
Uncertainty (Calculated):	0.204
Result (pCi/L, g, F):	5.572
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.223
Numerical Performance Indicator:	133.82%
Percent Recovery:	N/A
Status vs Numerical Indicator:	Pass
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample I.D.:	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.:	
Sample Result (pCi/L, g, F):	
Duplicate Result (pCi/L, g, F):	
Sample Duplicate Result (pCi/L, g, F):	
Duplicate Duplicate Result (pCi/L, g, F):	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Duplicate Duplicate Result 2 Sigma CSU (pCi/L, g, F):	
Are sample and/or duplicate results below RL?	
Duplicate Numerical Performance Indicator:	
Duplicate RPD:	
Duplicate Status vs Numerical Indicator:	
Duplicate Status vs RPD:	
% RPD Limit:	

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

Comments:

*VAL*  
*3/6/23*  
*M 3/6/23*

Sample Matrix Spike Control Assessment	
Sample Collection Date:	MS/MSD 1
Sample I.D.	2/16/2023
Sample MS I.D.	30564898001
Sample MSD I.D.	30564898002
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	30564898006
Spike I.D.:	22-040
Spike I.D.:	33.534
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	0.20
MS Aliquot (L, g, F):	0.801
MS Target Conc. (pCi/L, g, F):	8.374
MSD Aliquot (L, g, F):	0.808
MSD Target Conc. (pCi/L, g, F):	8.352
MS Spike Uncertainty (calculated):	0.410
MSD Spike Uncertainty (calculated):	0.407
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.453
Sample Matrix Spike Result:	0.295
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	8.632
Sample Matrix Spike Duplicate Result:	1.741
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	8.844
MS Numerical Performance Indicator:	1.792
MSD Numerical Performance Indicator:	-0.210
MS Percent Recovery:	97.68%
MSD Percent Recovery:	101.07%
MS Status vs Numerical Indicator:	Pass
MSD Status vs Numerical Indicator:	Pass
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	Pass
MS/MSD Upper % Recovery Limits:	135%
MS/MSD Lower % Recovery Limits:	60%

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	MS/MSD 2
Sample MS I.D.	2/16/2023
Sample MSD I.D.	30564898001
Sample Matrix Spike Result:	30564898002
Sample Matrix Spike Duplicate Result:	30564898006
Sample Matrix Spike Duplicate Result:	7.219
Duplicate Numerical Performance Indicator:	1.497
Duplicate RPD:	8.032
Duplicate Status vs Numerical Indicator:	1.633
Duplicate Status vs RPD:	-0.719
% RPD Limit:	11.09%
	Pass
	Pass
	36%

# Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226  
Analyst: SLC  
Date: 2/24/2023  
Worklist: 71703  
Matrix: DW

Method Blank Assessment	
MB Sample ID	2765353
MB concentration:	0.023
MB Counting Uncertainty:	0.064
MB MDC:	0.156
MB Numerical Performance Indicator:	0.71
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS (Y or N)?	
	LCS71703	LCS71703
Count Date:	3/14/2023	3/14/2023
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.019	24.019
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.504
Target Conc. (pCi/L, g, F):	4.757	4.765
Uncertainty (Calculated):	0.057	0.057
Result (pCi/L, g, F):	4.168	5.219
Numerical Performance Indicator:	0.457	0.499
Percent Recovery:	87.62%	109.52%
Status vs Numerical Indicator:	N/A	N/A
Upper % Recovery Limits:	Pass	Pass
Lower % Recovery Limits:	125%	125%
	75%	75%

Duplicate Sample Assessment	LCS71703	
	Sample I.D.:	92652738001
Duplicate Sample I.D.:	LCSD71703	LCSD71703
Sample Result (pCi/L, g, F):	4.168	0.085
Sample Result Counting Uncertainty (pCi/L, g, F):	0.457	0.097
Sample Duplicate Result (pCi/L, g, F):	5.219	-0.031
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.499	0.054
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-3.043	2.049
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	22.22%	424.17%
Duplicate Status vs Numerical Indicator:	N/A	N/A
Duplicate Status vs RPD:	Pass	Fail***
% RPD Limit:	25%	25%

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

Comments:

~~Batch must be re-prepped due to unacceptable precision.~~ N/A

UAM 3/14/23

SLC 3/14/23

UAM3/14/23

# Quality Control Sample Performance Assessment

*Analyst Must Manually Enter All Fields Highlighted in Yellow.*



Test: Ra-226  
Analyst: SLC  
Date: 2/24/2023  
Worklist: 71708  
Matrix: DW

Method Blank Assessment	
MB Sample ID	2768627
MB concentration:	-0.003
M/B Counting Uncertainty:	0.069
MB MDC:	0.194
MB Numerical Performance Indicator:	-0.10
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment		LCSD (Y or N)?	Y
Count Date:		LCS71708	LCS71708
Spike I.D.:		3/14/2023	3/14/2023
Decay Corrected Spike Concentration (pCi/mL):		19.033	19.033
Volume Used (mL):		24.019	24.019
Aliquot Volume (L, g, F):		0.10	0.10
Target Conc. (pCi/L, g, F):		0.502	0.504
Uncertainty (Calculated):		4.781	4.769
Result (pCi/L, g, F):		0.057	0.057
LCS/LCSD Counting Uncertainty (pCi/L, g, F):		5.486	5.197
Numerical Performance Indicator:		0.509	0.525
Percent Recovery:		2.70	1.59
Status vs Numerical Indicator:		114.74%	108.98%
Upper % Recovery Limits:		N/A	N/A
Lower % Recovery Limits:		Pass	Pass
		125%	125%
		75%	75%

Duplicate Sample Assessment	
Sample I.D.:	LCS71708
Duplicate Sample I.D.:	LCS71708
Sample Result (pCi/L, g, F):	5.486
Duplicate Result (pCi/L, g, F):	0.509
Sample Result Counting Uncertainty (pCi/L, g, F):	5.197
Duplicate Counting Uncertainty (pCi/L, g, F):	NO
Are sample and/or duplicate results below RL?	NO
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.773
Duplicate Numerical Performance Indicator:	5.15%
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	N/A
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Pass
% RPD Limit:	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 Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (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/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 Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (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:

LAM314/23  
SLC 3/14/23



# APPENDIX B

## DATA QUALITY EVALUATION







**Data Evaluation Narrative**

**Project: Plant Mitchell CCR Groundwater Semiannual Event #18**

**Wood Project Number: 6122160170.2203.\*\*\*\***

**Site: Ash Ponds 1&2 - Plant Mitchell, Georgia**

**Matrix: Groundwater**

**Pace SDG Nos: 92622406 and 92630865**

**Introduction**

A data quality evaluation (DQE) was performed on the laboratory data reported for the Semiannual Event #18 (August and October 2022) conducted at Ash Ponds 1 and 2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft Plant Mitchell Field Sampling Plan (FSP)* (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in United States Environmental Protection Agency (USEPA) Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.



<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in these SDGs are usable\* with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

\*Samples were recollected in October 2022 and usable data were generated for TDS results previously rejected due to gross exceedance of the analytical holding times.

## **Deliverables**

The data packages, as submitted to WSP USA Environment & Infrastructure Inc. (WSP), formerly Wood Environment & Infrastructure Solutions, Inc. (Wood) are complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6020B, SW6010D, SW7470A, SM2540C, and EPA 300.0.

## **Sample Integrity**

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for Appendix III and Appendix IV metals (antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Methods SW6020B and SW6010D (calcium), mercury by Method SW7470A, anions (chloride, fluoride, and sulfate) by Method 300.0, and total dissolved solids (TDS) by Method SM2540C. The anions were analyzed by Pace-Asheville, North Carolina. These data were reported in SDG 92622406.

Select samples were recollected in October 2022 and analyzed for TDS and/or mercury to generate usable data that was previously qualified for exceedance of holding times and the data were reported in SDG 92630865.

Samples were also sent from Pace's Georgia facility to their laboratory in Greenburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320. The radium data were reported and narrated separately.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.



## Sample Identification

These SDGs contain the following groundwater and quality control (QC) samples:

### SDG 92622406:

GPC Sample ID	Pace Sample ID	Sample Date	DQE Level	GPC Sample ID	Pace Sample ID	Sample Date	DQE Level
MIT-PZ-1D-WG-20220824	PZ-1D	08/24/22	II	MIT-PZ-25-WG-20220824	PZ-25	08/24/22	II
MIT-PZ-2D-WG-20220824	PZ-2D	08/24/22	II	MIT-PZ-31-WG-20220824	PZ-31	08/24/22	II
MIT-PZ-7D-WG-20220825	PZ-7D	08/25/22	II	MIT-PZ-32-WG-20220824	PZ-32	08/24/22	II
MIT-PZ-14-WG-20220825	PZ-14	08/25/22	II	MIT-PZ-33-WG-20220824	PZ-33	08/24/22	II
MIT-PZ-15-WG-20220825	PZ-15	08/25/22	II	MIT-PZ-57-WG-20220826	PZ-57	08/26/22	II
MIT-PZ-16-WG-20220825	PZ-16	08/25/22	II	<b>QC Samples</b>			
MIT-PZ-17-WG-20220825	PZ-17	08/25/22	II	MIT-APA12-EB-01-WQ-20220826	EB-01	08/26/22	II
MIT-PZ-18-WG-20220825	PZ-18	08/25/22	II	MIT-APA12-FB-01-WQ-20220824	FB-01	08/24/22	II
MIT-PZ-19-WG-20220825	PZ-19	08/25/22	II	MIT-APA12-FD-001-WQ-20220824	FD-01	08/24/22	II
MIT-PZ-23A-WG-20220825	PZ-23A	08/25/22	II	MIT-APA12-FD-002-WQ-20220825	FD-02	08/25/22	II

These samples were collected from Ash Ponds 1 and 2 between August 24 and August 26, 2022. Sample MIT-APA12-FD-001-WQ-20220824 (FD-001) is a field duplicate of MIT-PZ-1D-WG-20220824 (PZ-1D), and MIT-APA12-FD-002-WQ-20220825 (FD-002) is a field duplicate of MIT-PZ-18-WG-20220825 (PZ-18). The field QC blanks include samples MIT-APA12-FB-01-WQ-20220824 ([FB-01] a field blank sample) and MIT-APA12-EB-01-WQ-20220826 ([EB-01] an equipment blank). The truncated sample IDs (i.e., PZ-18, etc.) will be used to discuss the data quality in this narrative.

The analytical results for the metals, mercury, and anions data are usable with the qualifications discussed in this narrative with the following exceptions: four of nineteen TDS results were considered unusable; therefore, samples were recollected in October and reported in SDG 92630865 as listed below:

### SDG 92630865:

GPC Sample ID	Pace Sample ID	Sample Date	DQE Level	QC Sample ID	Pace Sample ID	Sample Date	DQE Level
MIT-PZ-25-WG-20221011	PZ-25	10/11/22	II	MIT-APA12-EB-01-WQ-20221011	EB-01	10/11/22	II
MIT-PZ-2D-WG-20221011	PZ-2D	10/11/22	II	MIT-APA12-FB-01-WQ-20221011	FB-01	10/11/22	II
MIT-PZ-32-WG-20221011	PZ-32	10/11/22	II	MIT-APA12-FD-001-WG-20221011	FD-01	10/11/22	II

These samples were collected from Ash Ponds 1 and 2 on October 11, 2022 and analyzed for TDS and/or mercury due to exceedance of analytical holding times. Sample FD-001 is a field duplicate of PZ-25, and the field QC blanks include samples FB-01 (a field blank sample) and EB-01 (an equipment blank). Samples PZ-25, FD-001, FB-01 and EB-01 were additionally analyzed for mercury. The analytical results for the mercury and TDS data are usable with the qualifications discussed in this narrative.

Note: GPC created new sample IDs specific to their database; however, Pace LIMS could not accommodate the GPC sample IDs and reported the samples with the simpler established format.

A summary of the data quality is presented below.



## **Metals (SW6020B)**

The samples were submitted to Pace for CCR Appendix III and Appendix IV metals by Methods SW6010D and SW6020B. The CCR Appendix III metals for this event are: boron (B) and calcium (Ca). The Appendix IV metals for this event are antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), lead (Pb), lithium (Li), molybdenum (Mo), selenium (Se), and thallium (Tl). Each of the Level II components were within laboratory QC limits except for MS/MSD recoveries.

### Holding Times

The sample analyses were performed within the 6-month analysis holding time.

### Method Blanks

The method blanks associated with the samples analyzed within this SDG contained no reportable detections of metals.

### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses were performed on samples FD-001, PZ-32, PZ-31, PZ-57, PZ-2D, and PZ-14. The recoveries and RPDs were within QC limits except for calcium in FD-001 and PZ-32.

*Action: No qualification was necessary because calcium was present in the parent samples greater than 4 times (4x) the spikes.*

### Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

### Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. FD-001 is associated with monitoring well PZ-1D and FD-002 is associated with monitoring well PZ-18. Acceptable duplicate precision was achieved for both duplicate pairs.

### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. Sample FB-01 is a field blank and is associated with each of the samples reported in this SDG. Sample EB-01 is an equipment blank associated with monitoring well PZ-57 and reported boron at an estimated concentration (0.0091 milligrams per liter [mg/l]) between the method detection limit (MDL) and the reporting limit (RL). Sample results less than 10x the blank amount may be a field artifact and possibly biased high. Affected sample results below the RL were raised to the RL and flagged as a non-detect (U\*) and sample results above the RL were flagged as possibly biased high (J) at the result reported. **Reason Code: BE**



*Action: The boron result for PZ-57 was qualified as estimated and flagged "J".*

### Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Methods SW6010D and SW6020B with the exception of boron due to dilution. Samples PZ-16, PZ-15, PZ-18/FD-02, PZ-17, PZ-23A, and PZ-7D required a 5x dilution for boron to bring the concentration into the calibration range or to minimize matrix affects from the presence of elevated levels of non-target analytes or other matrix interference. Sample PZ-14 was re-analyzed due to boron being initially reported as non-detect with an elevated RL, and no qualification of the re-analyzed result was necessary.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator unless overridden by qualification for other QC criteria.

### **Mercury (SW7470A)**

The samples were submitted to Pace for mercury by Method SW7470A. Each of the Level II components were within laboratory QC limits except for holding time on sample PZ-25. Therefore, sample PZ-25, along with QC samples, were recollected in October 2022 for mercury and reported in SDG 92630865.

### Holding Times

The sample analyses were performed within the 28-day analysis holding time except for the August 2022 sample PZ-25, and the associated result was considered estimated (J). Sample PZ-25, plus QC samples, were recollected (reported in SDG 92630865) and were analyzed within the holding time. Therefore, no qualification was required.

### Method Blanks

The method blanks associated with the samples analyzed within these SDGs contained no reportable detections of mercury.

### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on sample PZ-1D (SDG 92622406) and PZ-25 (SDG 92630865), and the recoveries and RPDs were within QC limits.

### Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

### Field Duplicate Precision

Blind field duplicate sample pairs, PZ-ID/FD-001 and PZ-18/FD-002 (SDG 92622406), and PZ-25/FD-001 (SDG 92630865) were collected and submitted to the laboratory for this sampling



event. The RPD could not be calculated because mercury was not detected in either the parent or duplicate samples.

#### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Mercury was not detected in the equipment blank or the field blank.

#### Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of mercury by USEPA Method SW7470A. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" flags were retained by the validator unless overridden by qualification for other QC criteria.

### **Anions (EPA 300)**

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300. Each of the Level II components were within laboratory QC limits.

#### Holding Times

The sample analyses were performed within the 28-day analysis holding time.

#### Method Blanks

The method blanks associated with the samples analyzed within this SDG contained no reportable detections of anions.

#### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

#### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses were performed on samples PZ-32 and PZ-7D, and the recoveries and RPDs were within QC limits.

#### Field Duplicate Precision

Two blind field duplicate sample pairs (PZ-ID/FD-001 and PZ-18/FD-002) were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for both duplicate pairs.

#### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Anions were not detected in the equipment blank or the field blank.

#### Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported



between the MDL and RL were qualified as estimated and flagged “J” by the laboratory. The “J” qualifier is maintained by the data validator.

## **TDS (SM2540C)**

The samples were submitted to Pace for TDS by Method SM2540C. Each of the Level II components were within QC limits except for holding time on samples FB-01, PZ-2D, PZ-32, and PZ-25. Therefore, samples FB-01, PZ-2D, PZ-32, and PZ-25, along with QC samples, were recollected in October 2022 for TDS and reported in SDG 92630865.

### Holding Times

The sample analyses were performed within the 7-day analysis holding time except for August 2022 samples FB-01, PZ-2D, PZ-32, and PZ-25, and the associated results are considered unusable (R) because the samples were analyzed outside twice the recommended holding time. Therefore, samples were recollected (SDG 92630865) and TDS was analyzed within the holding time and the data is usable without qualification.

### Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain TDS.

### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

### Laboratory Duplicate Precision

Laboratory duplicate analysis was performed on project sample PZ-18 and the RPD was within QC limits.

### Field Duplicate Precision

Blind field duplicate sample pairs, PZ-ID/FD-001 and PZ-18/FD-002 (SDG 92622406), and PZ-25/FD-001 (SDG 92630865) were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for both duplicate pairs.

### Sampling Accuracy (Equipment Rinse Blanks, Field Blanks)

TDS was not detected in the equipment blanks or the field blanks.

### Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM2540C and no samples required dilutions; therefore, RLs were met for this project.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged “J” by the laboratory; however, there were none reported in this SDG.



## **Overall Site Evaluation and Professional Judgment Flagging Changes**

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment.

### **References**

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: DWK 09/30/22  
Checked By/Date: JAH 10/03/22  
Revised by/Date: DWK 10/19/22  
Checked By/Date: JAH 11/07/22



**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**  
**SAMPLE DELIVERY GROUP 92622406 / 92630865**  
**SAMPLING DATES: August 24-26, 2022 / October 11, 2022**  
**Plant Mitchell Ash Ponds 1 and 2**

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
<b>SDG: 92622406 - Collected August 2022:</b>										
PZ-25*	PZ-25	N	92622406	2540C	total dissolved solids	286	H1	R	H	mg/L
PZ-25*	PZ-25	N	92622406	7470A	mercury	0.00018	J,H1	J	H	mg/L
PZ-2D*	PZ-2D	N	92622406	2540C	total dissolved solids	287	H1	R	H	mg/L
PZ-32*	PZ-32	N	92622406	2540C	total dissolved solids	172	H1	R	H	mg/L
PZ-57	PZ-57	N	92622406	6020B	boron	0.18		J	BE	mg/L
FB-01*	FB-01	FB	92622406	2540C	total dissolved solids	ND	H1	UR	H	mg/L
<b>SDG: 92630865 (Resample) - Collected October 2022:</b>										
NO QUALIFICATION REQUIRED*										

**Notes:**

Results qualified "J" due to detections between the MDL and RL are not included on this table unless overridden by other DQE qualifiers.

\*Samples PZ-25, PZ-2D, PZ-32 and FB-01 were resampled for TDS and PZ-25 was additionally resampled for mercury on October 11, 2022. Both TDS and mercury were analyzed within analytical holding times; therefore, all data are usable. The resampled data were reported in SDG 92630865.

**Laboratory Qualifiers:**

H1 = Holding time was exceeded

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

**Reason Codes:**

BE = Equipment blank contamination. The result should be considered biased high.

H = Holding time was exceeded

**Validation Qualifiers:**

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed. due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

Prepared by/Date: DWK 09/30/22

Checked by/Date: JAH 10/03/22

## **DQE CHECKLISTS**



**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 18

**Project No:** 6122160170.2203.\*\*\*

**Method:** Metals by SW6010D/SW6020B

**Laboratory and Lot:** Pace SDG: 92622406 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 09/30/22    **Senior Reviewer/Date:** J. Hartness 10/03/22

**Revised/Date:** D. Knaub 10/19/22    **Revision Reviewer/Date:** J. Hartness 11/07/22

YES    NO    NA    COMMENTS



**Case Narrative and COC Completeness Review**

No case narrative is included with Level II data package from Pace.  
Report revised after re-analysis of boron in PZ-14



**Sample Preservation and cooler temperature met (HNO<sub>3</sub> to pH<2;  
6°C±2)**

5.8°C OK



**Holding times met (180 days)**

OK



**QC Blanks Review – any MB results above RL?**

Method Blanks:

p. 31 SW6010D MB 3759360 (Ca only) = ND

p. 32 SW6010D MB 3765178 (Ca only) = ND

p. 33 SW6010D MB 3776437 (Ca only) = ND

p. 34 SW6020B MB 3765186 = ND

p. 36 SW6020B MB 3765581 = ND

p. 38 SW6020B MB 3776575 = ND

p. 40 SW6020B MB 3797015 (B re-anal)= ND

Field/Equipment Blanks:

EB-01 (assoc. w/ PZ-57) B= 0.0091J mg/L **B result for PZ-57 flagged “J”**

FB-01 = ND (*associated with all samples*)



**Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)**

p. 31 SW6010D LCS 3759361 – Ca =109% OK

p. 32 SW6010D LCS 3765179 – Ca =106% OK

p. 33 SW6010D LCS 3776438 - Ca = 97% OK

p. 34 SW6020B LCS 3765187 – All OK

p. 36 SW6020B LCS 3765582 – All OK

p. 38 SW6020B LCS 3776576 – All OK

p. 40 SW6020B LCS 3797016 B = 106%

Metals (SW6010D/6020B) continued:

YES NO NA

COMMENTS



**Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)**

Constituent	PZ-1D (mg/L)	FD-001 (mg/L)	RPD/Diff & RL
Ca	45.8	46.4	1.3
Ba	0.015	0.013	14.3
B	0.011J	ND	0.029 0.04
Cr	0.0025J	0.0023J	0.0002 0.005
Mo	0.00088J	0.00085J	0.000030.01
Constituent	PZ-18 (mg/L)	FD-002 (mg/L)	RPD/Diff & RL
Ca	141	147	4.2
Ba	0.026	0.025	3.9
B	0.39	0.38	2.6
Li	0.0033J	0.0033J	0.0

In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).

p. 36 Lab dup on non-project sample



**Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**

p. 31 SW6010D (Ca only) – *Not a sample from this SDG*

p. 32 SW6010D (Ca only) – FD-001 Ca = 249, 352% RPD = 2 No flag, sample > 4x spike

p. 33 SW6010D (Ca only) – PZ-32 Ca = 100, 212% RPD = 2 No flag, sample > 4x spike

p. 34-35 SW6020B **PZ-31** - All %rec and RPDs OK

p. 36-37 SW6020B **PZ-57** - All %rec and RPDs OK

p. 38-39 SW6020B **PZ-2D** - All %rec and RPDs OK

p. 40 SW6020B **PZ-14 (re-anal)** – B = 95, 98% RPD 3



**Post Digestion Spike recoveries within limits (if applicable: 80-120%)**

Not reported for L2 data package



**Total metals vs dissolved metals (RPD < 20% or diff. < RL)**

No dissolved results in this SDG



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

Checked each sample in this SDG, all OK (19 samples total)

*Dilutions: 5x for boron in samples PZ-16, PZ-15, PZ-18/FD-02, PZ-17, PZ-23A, PZ-7D, and PZ-14.*

*PZ-14 re-anal. w/ no dilution*



**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 18

**Project No:** 6122160170.2203.\*\*\*

**Method:** Hg by SW7470A

**Laboratory and Lot:** Pace SDG: 92622406 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 09/30/22 **Senior Reviewer/Date:** J. Hartness 10/03/22/rev: 11/07/22

**Laboratory and Lot:** Pace SDG: 92630865 (Pace – Peachtree Corners, GA) - Resamples

**Reviewer/Date:** J. McIntyre 10/26/22 **Senior Reviewer/Date:** D. Knaub 10/28/22

YES NO NA

COMMENTS

**Sample PZ-25 (plus QC samples: FD-001, EB-01 and FB-01) recollected in October 2022 due to holding time exceedance and reported in SDG 92630865.**

**Case Narrative and COC Completeness Review**

No case narrative is included with Level II data package from Pace.

**Sample Preservation and cooler temperature met (HNO<sub>3</sub> to pH<2; 6°C±2)**

**SDG: 92622406:** 5.8°C. OK

**SDG: 92630865:** 8.6°C – Samples were delivered on ice by the sample collector and were only 0.6°C above limit, therefore no qualification was necessary.

**Holding times met (Hg = 28 days)**

**SDG: 92622406:** Sample **PZ-25** anal. 1 day out of hold, **assoc. result flagged “J” – recollected and analyzed within hold (see below)**

**SDG: 92630865:** Coll: 10/11/22; Prep: 10/17/22 Anal: 10/18/22 – All ok

**QC Blanks Review – any MB results above RL?**

**SDG: 92622406:** Method Blanks:

p. 40 MB 3765117 Hg = ND p. 41 MB 3774316 Hg = ND

p. 42 MB 3774337 Hg = ND

Field/Equipment Blanks:

EB-01 = ND FB-01 = ND (associated with all samples)

**SDG: 92630865:** Method Blanks:

p. 12 MB 3804947 Hg = ND

Field and Equipment Blanks:

EB-01 = ND FB-01 = ND

**Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)**

**SDG: 92622406:** p. 40 LCS 3765118 – Hg = 97%; p. 41 LCS 3774317 Hg = 102%  
p. 42 LCS 3774338 Hg = 109%

**SDG: 92630865:** p. 12 LCS 3804948 – Hg = 86%

**Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)**

**SDG: 92622406:**

	<u>PZ-1D (mg/L)</u>	<u>FD-001 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
Hg	ND	ND	NA

	<u>PZ-18 (mg/L)</u>	<u>FD-002 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
Hg	ND	ND	NA

**SDG: 92630865:**

	<u>PZ-25 (mg/L)</u>	<u>FD-01 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
	both ND for Hg		

Mercury (SW7470A) continued:

YES    NO    NA

COMMENTS



**Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**

**SDG: 92622406:**

p. 40 – PZ-1D Hg = 89, 91% RPD = 2

p. 41 – *not a sample from this SDG*

p. 42 – *not a sample from this SDG*

**SDG: 92630865:**

p. 12 – PZ-25 Hg = 82, 79% RPD = 4



**Total metals vs dissolved metals (RPD < 20% or diff. < RL)**

No dissolved results in these SDGs



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

**SDG: 92622406:** Checked each sample in this SDG, all OK (19 samples)

**SDG: 92630865:** Checked each sample in this SDG, all OK (4 samples)

*No samples in these SDGs required a dilution.*



**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 18

**Project No:** 6122160170.2203.\*\*\*

**Method:** Anions (chloride, fluoride, sulfate) by EPA 300

**Laboratory and Lot:** Pace SDG: 92622406 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 09/30/22    **Senior Reviewer/Date:** J. Hartness 10/03/22; rev 11/07/22

YES    NO    NA

COMMENTS

*No samples in this SDG required a dilution*



**Case Narrative and COC Completeness Review**

No case narrative is included with Level II data package from Pace



**Sample Preservation and cooler temperature met (Cool to 6°C)**

5.8°C. OK



**Holding times met (28 days)**

OK



**QC Blanks Review – Any detections above RL?**

Method Blanks:

p. 46 MB 3757656 = ND

p. 47 MB 3760016= ND

p. 48 MB 3760039 = ND

Field/Equipment Blanks:

EB-01 = ND; FB-01 = ND



**Laboratory Control Sample (LCS) recovery within lab limits (90-110%)**

p. 46 LCS 3757657= All OK

p. 47 LCS 3760017 = All OK

p. 48 LCS 3760040 = All OK



**Lab Duplicate - Field Duplicate precision goals met (20%)**

<u>Constituent</u>	<u>PZ-1D (mg/L)</u>	<u>FD-001 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
chloride	2.6	2.6	0.0
fluoride	0.08J	0.076J	0.004 0.1
sulfate	2.2	2.2	0.0

<u>Constituent</u>	<u>PZ-18 (mg/L)</u>	<u>FD-002 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
chloride	4.6	4.6	0.0
fluoride	0.052J	0.054J	0.002 0.1
sulfate	96.3	95.6	0.7

In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).



**Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)**

p. 46 Not a sample in this SDG

p. 47 PZ-32 %Recs and RPDs OK (2<sup>nd</sup> MS/MSD is not a sample in this SDG)

p. 48 PZ-7D %Recs and RPDs OK (2<sup>nd</sup> MS/MSD is not a sample in this SDG)



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

Checked each sample in this SDG, all OK (19 samples total)





**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 18

**Project No:** 6122160170.2203.\*\*\*

**Method:** TDS by SM2540C

**Laboratory and Lot:** Pace SDG: 92622406 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 09/30/22 **Senior Reviewer/Date:** J. Hartness 10/03/22; rev 11/07/22

**Laboratory and Lot:** Pace SDG: 92630865 (Pace – Peachtree Corners, GA) - Resamples

**Reviewer/Date:** J. McIntyre 10/26/22 **Senior Reviewer/Date:** D. Knaub 10/28/22

YES NO NA COMMENTS  
**Sample PZ-2D, PZ-25, and PZ-32 (plus QC samples: FD-001, EB-01 and FB-01) recollected in October 2022 due to holding time exceedance and reported in SDG 92630865.**

- Case Narrative and COC Completeness Review**  
No case narrative is included with Level II data package from Pace.
- Sample Preservation and cooler temperature met (Cool 6°C±2)**  
SDG: 92622406: 5.8°C. OK  
SDG: 92630865: 8.6°C – Samples were delivered on ice by the sample collector and were only 0.6°C above limit, therefore no qualification was necessary.
- Holding times met (TDS = 7 days)**  
SDG: 92622406: Samples FB-01, PZ-2D, PZ-32, and PZ-25 anal. out of hold, **results flagged “R” – recollected and analyzed within hold (see below)**  
SDG: 92630865: All OK
- QC Blanks Review – any MB results above RL?**  
SDG: 92622406: Method Blanks:  
p. 43 MB 3754176 = ND p. 44 MB 3754817= ND  
p. 44 MB 3760948 = ND  
Field/Equipment Blanks:  
EB-01 = ND; FB-01 = ND  
SDG: 92630865: Method Blanks:  
p. 13 MB 3802695 = ND  
Field and Equipment Blanks:  
EB-01 = ND; FB-01 = ND
- Laboratory Control Sample (LCS) recovery within limits**  
SDG: 92622406: p. 43 LCS 3754177 TDS = 96%; p. 44 LCS 3754818 TDS = 96%  
p. 40 LCS 3760947 TDS = 95%  
SDG: 92630865: p. 13 LCS 3802696 TDS = 95%
- Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)**  
SDG: 92622406:  

<u>Constituent</u>	<u>PZ-1D (mg/L)</u>	<u>FD-01 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
TDS	139	142	2.1
<u>Constituent</u>	<u>PZ-18 (mg/L)</u>	<u>FD-02 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
TDS	446	432	3.2

Lab Duplicates:  
p. 43 PZ-1D RPD = 5- ok PZ-23A RPD = 3 - ok  
p. 44 – not project samples  
p. 45 FB-1 RPD NC, both ND and the other dup = not project sample

TDS (SM2540C) continued:

YES NO NA

COMMENTS



**Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)**

**SDG: 92630865:**

<u>Constituent</u>	<u>PZ-25 (mg/L)</u>	<u>FD-01 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
TDS	267	260	2.3

**Lab Duplicates:**

p. 13 – not project samples



**Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**

Not applicable to TDS



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

**SDG: 92622406:** Checked each sample in this SDG, all OK (19 samples)

**SDG: 92630865:** Checked each sample in this SDG, all OK (6 samples)

*No samples in this SDG required a dilution.*



**Data Evaluation Narrative**

**Project: Plant Mitchell CCR Groundwater Semiannual Event #18 - Radium**

**Wood Project Number: 6122160170.2103.\*\*\*\***

**Site: Ash Ponds 1&2 - Plant Mitchell, Georgia**

**Matrix: Groundwater**

**Pace SDG Nos: 92622414**

**Introduction**

A data quality evaluation (DQE) was performed on the radium data reported for the Semiannual Event #18 (August 2022) conducted at Ash Ponds 1 and 2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft Plant Mitchell Field Sampling Plan (FSP)* (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.



<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

### **Deliverables**

The data package as submitted to WSP USA Environment & Infrastructure Inc. (WSP) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW9315 and SW9320.

### **Sample Integrity**

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for metals, anions, and total dissolved solids (TDS) and reported separately in SDG 92622406. Samples were sent from Pace's Georgia facility to their laboratory in Greenburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

### **Sample Identification**

This SDG contains the following groundwater and quality control (QC) samples:

<b>GPC Sample ID</b>	<b>Pace Sample ID</b>	<b>Sample Date</b>	<b>DQE Level</b>	<b>GPC Sample ID</b>	<b>Pace Sample ID</b>	<b>Sample Date</b>	<b>DQE Level</b>
MIT-PZ-1D-WG-20220824	PZ-1D	08/24/22	II	MIT-PZ-25-WG-20220824	PZ-25	08/24/22	II
MIT-PZ-2D-WG-20220824	PZ-2D	08/24/22	II	MIT-PZ-31-WG-20220824	PZ-31	08/24/22	II
MIT-PZ-7D-WG-20220825	PZ-7D	08/25/22	II	MIT-PZ-32-WG-20220824	PZ-32	08/24/22	II
MIT-PZ-14-WG-20220825	PZ-14	08/25/22	II	MIT-PZ-33-WG-20220824	PZ-33	08/24/22	II
MIT-PZ-15-WG-20220825	PZ-15	08/25/22	II	MIT-PZ-57-WG-20220826	PZ-57	08/26/22	II
MIT-PZ-16-WG-20220825	PZ-16	08/25/22	II	<b>QC Samples</b>			
MIT-PZ-17-WG-20220825	PZ-17	08/25/22	II	MIT-APA12-EB-01-WQ-20220826	EB-01	08/26/22	II
MIT-PZ-18-WG-20220825	PZ-18	08/25/22	II	MIT-APA12-FB-01-WQ-20220824	FB-01	08/24/22	II
MIT-PZ-19-WG-20220825	PZ-19	08/25/22	II	MIT-APA12-FD-001-WQ-20220824	FD-01	08/24/22	II
MIT-PZ-23A-WG-20220825	PZ-23A	08/25/22	II	MIT-APA12-FD-002-WQ-20220825	FD-02	08/25/22	II

These samples were collected from Ash Ponds 1 and 2 between August 24 and August 26, 2022. Sample DUP-01 is a field duplicate of PZ-1D, and DUP-02 is a field duplicate of PZ-18. The field QC blanks include FB-1, a field blank sample, and EB-1, an equipment blank.



GPC created new sample IDs specific to their database; however, Pace LIMS could not accommodate the GPC sample IDs and reported the samples with the simpler established format.

The analytical results for the radium data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

### **Radium (SW9315/SW9320)**

The samples were submitted to Pace for radium-226 (Ra-226), radium-228 (Ra-228), and total radium by Methods SW9315 and SW9320. Total radium was measured by calculation. Each of the Level II components were within QC limits except for field blank contamination.

#### Holding Times

The sample analyses were performed within the 6-month analysis holding time.

#### Method Blanks

One of the method blanks contained reportable concentrations of radium above the minimum detectable concentration (MDC); however, no qualification was required because the associated results were not detected in the respective samples.

#### Laboratory Control Sample (LCS)

The LCS recoveries were within QC limits.

#### Laboratory Duplicate Precision

A laboratory duplicate was not performed on any project sample in this SDG.

#### Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Sample DUP-1 is associated with monitoring well PZ-1D, and DUP-2 is associated with monitoring well PZ-18. RPDs were evaluated for results greater than 5 times the MDC. Radium was not detected in either sample duplicate pair, therefore, precision could not be assessed.

#### Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The equipment blank sample EB-1 and field blank, FB-01 did not contain Ra-226 and Ra-228 above the MDC.

#### Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries for the samples and QC were not provided.



### Reporting Limits/Minimum Detectable Concentrations

The RLs (MDCs) were below the screening level of 5 pCi/L for samples submitted for the analysis of radium-226 and radium-228 by Methods SW9315 and SW9320.

Sample results in which the values were reported at concentrations below the MDC were flagged "U" and considered not detected.

### **Overall Site Evaluation and Professional Judgment Flagging Changes**

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment, and the data are usable without qualification.

### **References**

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. *Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: JPM 10/27/22  
Checked By/Date: DWK 10/28/22

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**  
**SAMPLE DELIVERY GROUP 92622414**  
**SAMPLING DATES: August 24-26, 2022**  
**Plant Mitchell Ash Ponds 1 and 2**

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
<b>NO QUALIFICATION REQUIRED</b>										

**Notes:**

No qualification was required for the data reported in this sample delivery group.

Prepared by/Date: JPM 10/27/22

Checked by/Date: DWK 10/28/22



## DQE CHECKLISTS



## LEVEL II DATA QUALITY VALIDATION RECORD

**Project:** Plant Mitchell CCR Semiannual Event 18

**Project No:** 6122160170.2203.\*\*\*

**Method:** Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320

**Laboratory and Lot:** Pace SDG: 92622414 (Pace-Greensburg, PA)

**Reviewer/Date:** J. McIntyre 10/26/22 **Senior Reviewer/Date:** D. Knaub 10/28/22

YES	NO	NA	COMMENTS																
<input checked="" type="checkbox"/>			<p><b>Case Narrative and COC Completeness Review</b> No case narrative is included with Level II data package from Pace.</p>																
<input checked="" type="checkbox"/>			<p><b>Sample Preservation and cooler temperature met (HNO<sub>3</sub> to pH&lt;2)</b> 5.8, 5.9, 3.8, 4.8, 5.1, 5.4 °C. OK</p>																
<input checked="" type="checkbox"/>			<p><b>Holding times met (180 days)</b> Collected: 08/24/22-8/26/22 Analyzed: Ra-226: 09/22/22 Analyzed: Ra-228: 09/13/22, 09/21/22, 10/04/22 Total Ra: 09/22/22, 10/05/22</p>																
	<input checked="" type="checkbox"/>		<p><b>QC Blanks Review (net blank value &lt;MDC)</b> p. 30 Ra-228 (2572179) = present but &lt;MDC p. 31 Ra-226 (2574652) = present but &lt;MDC p. 32 Ra-228 (2599416) = present but &lt;MDC p. 33 Ra-226 (2572345) = present but &lt;MDC p. 34 Ra-228 (2574648) = <b>0.757</b> pCi/L (associated sample PZ-57) <i>Assoc. result ND, no flag</i></p> <p><u>Field/Equipment Blanks:</u> p. 15 FB-1 = present but &lt;MDC (negative Ra-226 result &lt; negative MDC) p. 28 EB-1 = present but &lt;MDC</p>																
<input checked="" type="checkbox"/>			<p><b>Laboratory Control Sample (LCS) recovery within lab limits (60-135%)</b> p. 58 LCS68670 Ra-228 = 84.37% P. 59 LCS68728 Ra-228 = 113.74% P. 60 LCS68728/LCSD69055 Ra-228 = 84.92, 89.91% RPD = 5.7 p. 61 LCS68700/LCSD68700 Ra-226 = 93.92, 114.68% RPD = 20.57 p. 62 LCS68731/LCSD68731 Ra-226 = 104.14, 92.84% RPD = 11.48</p>																
<input checked="" type="checkbox"/>			<p><b>Lab Duplicate - Field Duplicate precision goals met (lab limits); lab dup every 10 samples (RPD = RER (2σ) &lt;3)</b></p> <table border="1"> <thead> <tr> <th>Constituent</th> <th>PZ-1D (pCi/L)</th> <th>DUP-1 (pCi/L)</th> <th>RPD</th> </tr> </thead> <tbody> <tr> <td></td> <td>present but &lt;MDC</td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Constituent</th> <th>PZ-18 (pCi/L)</th> <th>DUP-2 (pCi/L)</th> <th>RPD</th> </tr> </thead> <tbody> <tr> <td></td> <td>present but &lt;MDC</td> <td></td> <td></td> </tr> </tbody> </table> <p>Lab Duplicates: (also see LCS precision above) p. 59, 61, and 62 are not samples from this SDG</p>	Constituent	PZ-1D (pCi/L)	DUP-1 (pCi/L)	RPD		present but <MDC			Constituent	PZ-18 (pCi/L)	DUP-2 (pCi/L)	RPD		present but <MDC		
Constituent	PZ-1D (pCi/L)	DUP-1 (pCi/L)	RPD																
	present but <MDC																		
Constituent	PZ-18 (pCi/L)	DUP-2 (pCi/L)	RPD																
	present but <MDC																		
	<input checked="" type="checkbox"/>		<p><b>Matrix Spike recoveries and RPDs within limits (if applicable)</b> p. 58 not a sample from this SDG</p>																



YES   NO   NA

COMMENTS

**Carrier/Tracer Yield Recovery Ra-226 (Carrier: Ba);  
Ra-228 (Carrier Ba, Tracer: Y) (30-110%)**

Not provided

**EDD Data Verification vs. Hardcopy (10% samples for each SDG).**

Checked each sample in this SDG, all OK (20 samples total)



**Data Evaluation Narrative**

**Project: Plant Mitchell CCR Groundwater Semiannual Event #19**

**WSP Project Number: 6122160170.2303.\*\*\*\***

**Site: Ash Ponds 1&2 - Plant Mitchell, Georgia**

**Matrix: Groundwater**

**Pace SDG Nos: 92652734**

**Introduction**

A data quality evaluation (DQE) was performed on the laboratory data reported for the Semiannual Event #19 (February 2023) conducted at Ash Ponds 1 and 2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft Plant Mitchell Field Sampling Plan (FSP)* (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in United States Environmental Protection Agency (USEPA) Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.



<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in these SDGs are usable\* with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

### **Deliverables**

The data packages, as submitted to WSP USA Environment & Infrastructure Inc. (WSP), formerly Wood Environment & Infrastructure Solutions, Inc. (Wood) are complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6020B, SW6010D, SW7470A, SM2540C, and EPA 300.0. The lab report was revised because sample MIT-APA12-FB-01 was incorrectly named MIT-~~P~~APA12-FB-01 by the laboratory and the field sample time of 12:20 for sample MIT-PZ-2D was incorrectly recorded as 10:45 under “Field Data”.

### **Sample Integrity**

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for Appendix III and Appendix IV metals (antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Methods SW6020B and SW6010D (calcium), mercury by Method SW7470A, anions (chloride, fluoride, and sulfate) by Method 300.0, and total dissolved solids (TDS) by Method SM2540C. The anions were analyzed by Pace-Asheville, North Carolina. These data were reported in SDG 92652734.

Samples were also sent from Pace’s Georgia facility to their laboratory in Greenburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320. The radium data were reported in SDG 9265738 and narrated separately.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.



## **Sample Identification**

This SDG contains the following groundwater and quality control (QC) samples:

### **SDG 92652734:**

<b>GPC Sample ID</b>	<b>Sample Date</b>	<b>DQE Level</b>	<b>GPC Sample ID</b>	<b>Sample Date</b>	<b>DQE Level</b>
MIT-PZ-1D	02/14/23	II	MIT-PZ-31	02/14/23	II
MIT-PZ-2D	02/14/23	II	MIT-PZ-32	02/14/23	II
MIT-PZ-7D	02/15/23	II	MIT-PZ-33	02/16/23	II
MIT-PZ-14	02/14/23	II	MIT-PZ-57	02/16/23	II
MIT-PZ-15	02/15/23	II	<b>QC Samples</b>		
MIT-PZ-16	02/15/23	II	MIT-APA12-EB-01	02/15/23	II
MIT-PZ-17	02/16/23	II	MIT-APA12-EB-02	02/16/23	II
MIT-PZ-18	02/15/23	II	MIT-APA12-FB-01	02/14/23	II
MIT-PZ-19	02/15/23	II	MIT-APA12-FB-02	02/16/23	II
MIT-PZ-23A	02/14/23	II	MIT-APA12-FD-01	02/15/23	II
MIT-PZ-25	02/15/23	II	MIT-APA12-FD-02	02/15/23	II

These samples were collected from Ash Ponds 1 and 2 between February 14 and February 16, 2023. Sample MIT-APA12-FD-01 is a field duplicate of MIT-PZ-19, and MIT-APA12-FD-02 is a field duplicate of MIT-PZ-25. The field QC blanks include samples MIT-APA12-FB-01 and MIT-APA12-FB-02 (field blanks) and MIT-APA12-EB-01 and MIT-APA12-EB-02 (equipment blanks). The sample IDs were modified by WSP for inclusion in the EQUS database as instructed by GPC by adding the sample type code (WG [groundwater], WQ [water quality]) and the sample date (YYYYMMDD [i.e., 20230214]); example: *MIT-PZ-14-WG-20230214*.

The analytical results for the metals, mercury, and anions data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

### **Metals (SW6020B)**

The samples were submitted to Pace for CCR Appendix III and Appendix IV metals by Methods SW6010D and SW6020B. The CCR Appendix III metals for this event are: boron (B) and calcium (Ca). The Appendix IV metals for this event are antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), lead (Pb), lithium (Li), molybdenum (Mo), selenium (Se), and thallium (Tl). Each of the Level II components were within laboratory QC limits except for MS/MSD recoveries.

#### Holding Times

The sample analyses were performed within the 6-month analysis holding time.

#### Method Blanks

The method blanks associated with the samples analyzed within this SDG contained no reportable detections of metals.

#### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.



### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses were performed on samples PZ-18, PZ-33, and MIT-APA12-FB-01. The recoveries and RPDs were within QC limits except for calcium in PZ-18 and PZ-33.

*Action: No qualification was necessary because calcium was present in the parent samples greater than 4 times the spike concentration.*

### Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

### Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Acceptable duplicate precision was achieved for both duplicate pairs.

### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. Samples FB-01 and FB-02 are field blanks and are associated with samples PZ-2D and PZ-57, respectively. Samples EB-01 and EB-02 are equipment blanks. EB-01 is an equipment blank of the discharge tubing for dedicated bladder pumps and EB-02 is the equipment blank associated with monitoring well PZ-57. None of the field or equipment blanks contained reportable detections of metals.

### Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Methods SW6010D and SW6020B.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator unless overridden by qualification for other QC criteria.

### **Mercury (SW7470A)**

The samples were submitted to Pace for mercury by Method SW7470A. Each of the Level II components were within laboratory QC limits.

### Holding Times

The sample analyses were performed within the 28-day analysis holding time.

### Method Blanks

The method blanks associated with the samples analyzed within these SDGs contained no reportable detections of mercury.



#### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

#### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on sample PZ-7D and PZ-2D, and the recoveries and RPDs were within QC limits.

#### Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

#### Field Duplicate Precision

As previously noted, two blind field duplicate sample pairs were collected and submitted to the laboratory for this sampling event. The RPD could not be calculated because mercury was not detected in either the parent or duplicate samples.

#### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Mercury was not detected in the equipment blanks or the field blanks.

#### Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of mercury by USEPA Method SW7470A. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates, however there were none in this SDG.

### **Anions (EPA 300)**

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300. Each of the Level II components were within laboratory QC limits except for MS/MSD recoveries.

#### Holding Times

The sample analyses were performed within the 28-day analysis holding time.

#### Method Blanks

The method blanks associated with the samples analyzed within this SDG contained no reportable detections of anions.

#### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

#### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses were performed on samples PZ-15 and PZ-1D, and the MS recovery for sulfate was below the lower QC limit in sample PZ-15.





*Action: No qualification was necessary because the MS recovery and RPD were within QC limits.*

#### Field Duplicate Precision

As previously noted, two blind field duplicate sample pairs were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for both duplicate pairs.

#### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Anions were not detected in the equipment blank or the field blank.

#### Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator.

#### **TDS (SM2540C)**

The samples were submitted to Pace for TDS by Method SM2540C. Each of the Level II components were within QC limits except for laboratory duplicate precision and field/equipment blanks.

#### Holding Times

The sample analyses were performed within the 7-day analysis holding time.

#### Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain TDS.

#### Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

#### Laboratory Duplicate Precision

Laboratory duplicate analyses were performed on project samples PZ-23A and PZ-7D, and the RPD was above the QC limit for PZ-7D.

*Action: The TDS result for sample PZ-7D was qualified as estimated and flagged "J".*

#### Field Duplicate Precision

As previously noted, two field duplicate sample pairs were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for both duplicate pairs.



### Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

TDS was detected in the equipment blank EB-01 at 45 mg/L and in field blank FB-02 at 57.9 mg/L. However, no qualification is necessary for TDS detections in the field or equipment blanks per guidance from SCS.

### Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM2540C and no samples required dilutions; therefore, RLs were met for this project.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory; however, there were none reported in this SDG.

### **Overall Site Evaluation and Professional Judgment Flagging Changes**

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment.

### **References**

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. *Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: DWK 03/13/23

Checked By/Date: JAH 03/16/23

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**  
**SAMPLE DELIVERY GROUP 92652734**  
**SAMPLING DATES: February 14 - 16, 2023**  
**Plant Mitchell Ash Ponds 1 and 2**

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
MIT-PZ-7D	PZ-7D	N	92652734	2540C	total dissolved solids	335	D6	J	LD	mg/L

**Notes:**

Results qualified "J" due to detections between the MDL and RL are not included on this table unless overridden by other DQE qualifiers.

**Laboratory Qualifiers:**

D6 = The precision between the sample and the sample duplicate exceeded laboratory control limits.

**Reason Codes:**

LD = Laboratory duplicate precision.

**Validation Qualifiers:**

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

Prepared by/Date: DWK 03/13/23

Checked by/Date: JAH 03/16/23

## DQE CHECKLISTS



**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 19

**Project No:** 6122160170.2303.\*\*\*

**Method:** Metals by SW6010D/SW6020B

**Laboratory and Lot:** Pace SDG: 92652734 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 03/10/23    **Senior Reviewer/Date:** J. Hartness 03/16/23

YES    NO    NA    COMMENTS



**Case Narrative and COC Completeness Review**

No case narrative is included with Level II data package from Pace.



**Sample Preservation and cooler temperature met (HNO<sub>3</sub> to pH<2; 6°C±2)**

Temps. = 5.1, 5.8, 4.9°C - OK



**Holding times met (180 days)**

OK



**QC Blanks Review – any MB results above RL?**

Method Blanks:

p. 34 SW6010D MB 3940790 (Ca only) = ND

p. 35 SW6010D MB 3941289 (Ca only) = ND

p. 36 SW6020B MB 3940795 = ND

p. 37 SW6020B MB 3941296 = ND

Field/Equipment Blanks:

EB-01 and EB-02 = ND

FB-01 and FB-02 = ND



**Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)**

p. 34 SW6010D LCS 3940791 – Ca =100% OK

p. 35 SW6010D LCS 3941290 – Ca =99% OK

p. 36 SW6020B LCS 3940796– All OK

p. 37 SW6020B LCS 3941297 – All OK

Metals (SW6010D/6020B) continued:

YES NO NA

COMMENTS



**Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)**

Constituent	<b>PZ-19</b> (mg/L)	<b>FD-01</b> (mg/L)	RPD/Diff & RL
Ca	144	146	1.4
Ba	0.051	0.048	6.0
B	0.54	0.53	1.8
Li	0.011J	0.011J	0.0000 0.03
Mo	0.0016J	0.0015J	0.0001 0.01
Se	0.0036J	0.0034J	0.0002 0.005
Tl	0.00051J	0.0005J	0.00001 0.001
Constituent	<b>PZ-25</b> (mg/L)	<b>FD-02</b> (mg/L)	RPD/Diff & RL
Ca	86.9	84.1	3.3
Ba	0.1	0.11	9.5
B	0.17	0.18	5.7
Co	0.0012J	0.0011J	0.0001 0.005
Li	0.0057J	0.0059J	0.0002 0.03
Tl	0.00045J	0.00046J	0.00001 0.001

*In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).*

No lab dups for metals



**Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**

p. 34 SW6010D (Ca only) – **PZ-18** – Ca = -1010, -626% RPD = 2 No flag, sample > 4x spike  
 p. 35 SW6010D (Ca only) – **PZ-33** Ca = 607, 405% RPD = 2 No flag, sample > 4x spike

p. 37 SW6020B **MIT-APA12-FB-01** - All %rec and RPDs OK

p. 39 SW6020B - *not a sample from this SDG*



**Post Digestion Spike recoveries within limits (if applicable: 80-120%)**

Not reported for L2 data package



**Total metals vs dissolved metals (RPD < 20% or diff. < RL)**

No dissolved results in this SDG



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

Checked all samples in this SDG - OK

*No dilutions in this SDG for metals*



**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 19

**Project No:** 6122160170.2303.\*\*\*

**Method:** Hg by SW7470A

**Laboratory and Lot:** Pace SDG: 92652734 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 03/13/23    **Senior Reviewer/Date:** J. Hartness 03/16/23

YES    NO    NA    COMMENTS



**Case Narrative and COC Completeness Review**

No case narrative is included with Level II data package from Pace.



**Sample Preservation and cooler temperature met (HNO<sub>3</sub> to pH<2; 6°C±2)**

Temps. = 5.1, 5.8, 4.9°C – OK



**Holding times met (Hg = 28 days)**

Coll: 02/14/23 – 02/16/23;    Prep: 03/02/23 Anal: 03/03/23



**QC Blanks Review – any MB results above RL?**

Method Blanks:

p. 40 MB 3943327 Hg = ND    p. 41 MB 3943339 Hg = ND

Field/Equipment Blanks:

EB-01 and EB-02 = ND

FB-01 and FB-02 = ND



**Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)**

p. 40 LCS 3943328 Hg = 95%; p. 41 LCS 3943340 Hg = 94%



**Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)**

	<u>PZ-19 (mg/L)</u>	<u>FD-01 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
Hg	ND	ND	NA
	<u>PZ-25 (mg/L)</u>	<u>FD-02 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
Hg	ND	ND	NA

*No lab dups for Hg*



**Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**

p. 40 PZ-7D Hg = 93, 92% RPD = 1

p. 41 PZ-2D Hg = 90, 88% RPD = 3



**Total metals vs dissolved metals (RPD < 20% or diff. < RL)**

No dissolved results in these SDGs



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

Checked all samples in this SDG - OK

*No dilutions in this SDG for Hg*





**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 19

**Project No:** 6122160170.2303.\*\*\*

**Method:** Anions (chloride, fluoride, sulfate) by EPA 300

**Laboratory and Lot:** Pace SDG: 92652734 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 03/13/23    **Senior Reviewer/Date:** J. Hartness 03/16/23

YES    NO    NA

COMMENTS

*No samples in this SDG required a dilution*



**Case Narrative and COC Completeness Review**

No case narrative is included with Level II data package from Pace



**Sample Preservation and cooler temperature met (Cool to 6°C)**

Temps. = 5.1, 5.8, 4.9°C – OK



**Holding times met (28 days)**

Coll: 02/14/23 – 02/16/23 Anal: 02/21/23



**QC Blanks Review – Any detections above RL?**

Method Blanks:

p. 45 MB 3932986 = ND

p. 46 MB 3932992 = ND

Field/Equipment Blanks:

EB-01 and EB-02 = ND

FB-01 and FB-02 = ND



**Laboratory Control Sample (LCS) recovery within lab limits (90-110%)**

p. 45 LCS 3932987 = All OK

p. 46 LCS 3932993 = All OK



**Lab Duplicate - Field Duplicate precision goals met (20%)**

<u>Constituent</u>	<u>PZ-19 (mg/L)</u>	<u>FD-01 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
Cl	4.1	4.2	2.4
F	0.086J	0.086J	0.000 0.1
SO <sub>4</sub>	78.8	79	0.2

<u>Constituent</u>	<u>PZ-25 (mg/L)</u>	<u>FD-02 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
Cl	1.8	1.8	0.0
F	0.16	0.16	0.0
SO <sub>4</sub>	37.1	37.0	0.3

*In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).*



**Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)**

p. 45 PZ-15 OK except SO<sub>4</sub> = 84, 91% RPD = 3 No flag, MS and RPD OK

p. 46 PZ-1D - %Recs and RPDs OK



**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**

Checked all samples in this SDG - OK



## LEVEL II DATA QUALITY VALIDATION RECORD

**Project:** Plant Mitchell CCR Semiannual Event 19

**Project No:** 6122160170.2303.\*\*\*

**Method:** TDS by SM2540C

**Laboratory and Lot:** Pace SDG: 92652734 (Pace – Peachtree Corners, GA)

**Reviewer/Date:** D. Knaub 03/13/23    **Senior Reviewer/Date:** J. Hartness 03/16/23

YES    NO    NA    COMMENTS



### Case Narrative and COC Completeness Review

No case narrative is included with Level II data package from Pace.



### Sample Preservation and cooler temperature met (Cool 6°C±2)

Temps. = 5.1, 5.8, 4.9°C – OK



### Holding times met (TDS = 7 days)

Coll: 02/14/23 – 02/16/23 Anal: 02/17/23, 02/19/23, 02/20/23 - OK



### QC Blanks Review – any MB results above RL?

Method Blanks:

p. 42 MB 3931171 = ND

p. 43 MB 3931548 = ND

p. 44 MB 3932259 = ND

Field/Equipment Blanks:

EB-01 TDS = 45 mg/L

EB-02 = ND    FB-01 = ND

FB-02 TDS = 57.9 mg/L

*No flags are applied for TDS in EBs or FBs*



### Laboratory Control Sample (LCS) recovery within limits

p. 42 LCS 3931172 TDS = 100%    p. 43 LCS 3931549 TDS = 98%

p. 44 LCS 3932260 TDS = 94%



### Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

<u>Constituent</u>	<u>PZ-19 (mg/L)</u>	<u>FD-01 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
TDS	529	490	7.7

<u>Constituent</u>	<u>PZ-25 (mg/L)</u>	<u>FD-02 (mg/L)</u>	<u>RPD/Diff &amp; RL</u>
TDS	264	274	3.7

Lab Duplicates:

p. 42 *Not samples from this SDG*

p. 43 PZ-23A RPD = 1    PZ-7D RPD = 16 **Flag assoc. result "J"**

p. 44 *Not samples from this SDG*



### Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)

Not applicable to TDS



### EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Checked all samples in this SDG, OK

*No samples in this SDG required a dilution.*



**Data Evaluation Narrative**

**Project: Plant Mitchell CCR Groundwater Semiannual Event #19 - Radium**

**Wood Project Number: 6122160170.2303.\*\*\*\***

**Site: Ash Ponds 1&2 - Plant Mitchell, Georgia**

**Matrix: Groundwater**

**Pace SDG Nos: 92652738**

**Introduction**

A data quality evaluation (DQE) was performed on the radium data reported for the Semiannual Event #19 (February 2023) conducted at Ash Ponds 1 and 2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft Plant Mitchell Field Sampling Plan (FSP)* (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u>	<u>Usable Data</u>
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. <i>SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.</i>
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. <i>Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).</i>
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.



<u>Qualifier</u>	<u>Unusable Data</u>
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

### **Deliverables**

The data package as submitted to WSP USA Environment & Infrastructure Inc. (WSP) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW9315 and SW9320.

### **Sample Integrity**

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for metals, anions, and total dissolved solids (TDS) and reported separately in SDG 92652734. Samples were sent from Pace’s Georgia facility to their laboratory in Greenburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

### **Sample Identification**

This SDG contains the following groundwater and quality control (QC) samples:

<b>GPC Sample ID</b>	<b>Sample Date</b>	<b>DQE Level</b>	<b>GPC Sample ID</b>	<b>Sample Date</b>	<b>DQE Level</b>
MIT-PZ-1D	02/14/23	II	MIT-PZ-31	02/14/23	II
MIT-PZ-2D	02/14/23	II	MIT-PZ-32	02/14/23	II
MIT-PZ-7D	02/15/23	II	MIT-PZ-33	02/16/23	II
MIT-PZ-14	02/14/23	II	MIT-PZ-57	02/16/23	II
MIT-PZ-15	02/15/23	II	<b><u>QC Samples</u></b>		
MIT-PZ-16	02/15/23	II	MIT-APA12-EB-01	02/15/23	II
MIT-PZ-17	02/16/23	II	MIT-APA12-EB-02	02/16/23	II
MIT-PZ-18	02/15/23	II	MIT-APA12-FB-01	02/14/23	II
MIT-PZ-19	02/15/23	II	MIT-APA12-FB-02	02/16/23	II
MIT-PZ-23A	02/14/23	II	MIT-APA12-FD-01	02/15/23	II
MIT-PZ-25	02/15/23	II	MIT-APA12-FD-02	02/15/23	II

These samples were collected from Ash Ponds 1 and 2 between February 14 and February 16, 2023. Sample MIT-APA12-FD-01 is a field duplicate of MIT-PZ-19, and MIT-APA12-FD-02 is a field duplicate of MIT-PZ-25. The field QC blanks include samples MIT-APA12-FB-01 and MIT-APA12-FB-02 (field blanks) and MIT-APA12-EB-01 and MIT-APA12-EB-02 (equipment blanks). The sample IDs were modified by WSP for inclusion in the EQULS database as instructed by GPC by adding the sample



type code (WG [groundwater], WQ [water quality]) and the sample date (YYYYMMDD [i.e., 20230214]); example: *MIT-PZ-14-WG-20230214*.

The analytical results for the radium data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

### **Radium (SW9315/SW9320)**

The samples were submitted to Pace for radium-226 (Ra-226), radium-228 (Ra-228) by Methods SW9315 and SW9320, and total radium by calculation. Each of the Level II components were within QC limits.

#### Holding Times

The sample analyses were performed within the 6-month analysis holding time.

#### Method Blanks

The method blanks did not contain reportable concentrations of radium above the minimum detectable concentration (MDC).

#### Laboratory Control Sample (LCS)

The LCS recoveries were within QC limits.

#### Laboratory Duplicate Precision

A laboratory duplicate was performed on sample MIT-PZ-7D, and the RPDs were not calculated because the results were less than the MDC..

#### Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Radium-266 was detected in in one sample in each pair but not the other sample, therefore an RPD could not be calculated. Total radium was not detected above the MDC in either sample duplicate pair, therefore, precision could not be assessed (RPDs are only evaluated for results greater than 5 times the MDC).

#### Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The equipment blanks EB-01 and EB-02 and field blanks, FB-01 and FB-02 did not contain Ra-226, Ra-228, or total radium above the MDC.

#### Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries were within QC limits for the samples in this SDG.

#### Reporting Limits/Minimum Detectable Concentrations

The RLs (MDCs) were below the screening level of 5 pCi/L for samples submitted for the analysis of radium-226 and radium-228 by Methods SW9315 and SW9320.



Sample results in which the values were reported at concentrations below the MDC were flagged "U" and considered not detected.

### **Overall Site Evaluation and Professional Judgment Flagging Changes**

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment, and the data are usable without qualification.

### **References**

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. *Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: DWK 03/29/23

Checked By/Date: JAH 03/30/23

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**

**TABLE 1**  
**SUMMARY OF DATA QUALIFIERS**  
**SAMPLE DELIVERY GROUP 92652738**  
**SAMPLING DATES: February 14-16, 2023**  
**Plant Mitchell Ash Ponds 1 and 2**

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
<b>NO QUALIFICATION REQUIRED</b>										

**Notes:**

No qualification was required for the data reported in this sample delivery group.

Prepared by/Date: DWK 03/15/23

Checked by/Date: JAH 03/30/23



## DQE CHECKLISTS



**LEVEL II DATA QUALITY VALIDATION RECORD**

**Project:** Plant Mitchell CCR Semiannual Event 19

**Project No:** 6122160170.2303.\*\*\*\*

**Method:** Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320

**Laboratory and Lot:** Pace SDG: 92652738 (Pace-Greensburg, PA)

**Reviewer/Date:** D. Knaub 03/29/23 **Senior Reviewer/Date:** J. Hartness 03/30/23

YES   NO   NA

COMMENTS

- Case Narrative and COC Completeness Review**  
No case narrative is included with Level II data package from Pace.
- Sample Preservation and cooler temperature met (HNO<sub>3</sub> to pH<2)**  
5.1, 5.8, 4.9 °C - OK
- Holding times met (180 days)**  
Collected: 02/14/23-02/16/23  
Analyzed: Ra-226: 03/14/23  
Analyzed: Ra-228: 03/06/23, 03/03/23  
Total Ra: 03/14/23
- QC Blanks Review (net blank value <MDC)**  
p. 33 Ra-228 (2765355) = present but <MDC  
p. 34 Ra-228 (2766629) = present but <MDC  
p. 35 Ra-226 (2766627) = negative but < negative MDC  
p. 33 Ra-226 (2765353) = present but <MDC  
  
Field/Equipment Blanks:  
p. 16 FB-1 = present but <MDC  
p. 28 FB-2 = present but < MCD (Ra-228 negative but < negative MDC)  
p. 23 EB-1 = present but <MDC  
p. 29 EB-1 = present but <MDC
- Laboratory Control Sample (LCS) recovery within lab limits (60-135%)**  
p. 58-62  
p. 59 LCS initially *failed low* due to a possible detector issue  
LCS was reanalyzed and was within limits, *no flags necessary*
- Lab Duplicate - Field Duplicate precision goals met (lab limits); lab dup every 10 samples (RPD = RER (2σ) <3)**  

<u>Constituent</u>	<u>PZ-19 (pCi/L)</u>	<u>FD-01 (pCi/L)</u>	<u>RPD</u>
Ra-226	< 0.184	0.199	NC

<u>Constituent</u>	<u>PZ-25 (pCi/L)</u>	<u>FD-02 (pCi/L)</u>	<u>RPD</u>
Ra-226	0.343	< 0.253	NC

  
p. 61 Lab dup on MIT-PZ-7D results < MDC - OK
- Matrix Spike recoveries and RPDs within limits (if applicable)**  
p. 60 not samples from this SDG



YES   NO   NA

COMMENTS



**Carrier/Tracer Yield Recovery Ra-226 (Carrier: Ba);  
Ra-228 (Carrier Ba, Tracer: Y) (30-110%)**

Included on results pages - OK



**EDD Data Verification vs. Hardcopy (10% samples for each SDG).**

Checked all samples in this SDG - OK



# APPENDIX B

## FIELD SAMPLING DATA



# Low-Flow Test Report:

Test Date / Time: 8/24/2022 10:47:52 AM

Project: Plant Mitchell CCR

Operator Name: Ever Guillen

<b>Location Name: PZ-1D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 71.65 ft</b> <b>Total Depth: 81.65 ft</b> <b>Initial Depth to Water: 55.07 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 76.65 ft</b> <b>Estimated Total Volume Pumped: 9000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.54 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	--	--

Test Notes: Sample time =1135. Dup FD-01 collected

Weather Conditions: Hot, humid and some rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/24/2022 10:47 AM	00:00	7.05 pH	24.09 °C	249.84 µS/cm	6.42 mg/L	33.60 NTU	84.5 mV	55.07 ft	200.00 ml/min
8/24/2022 10:52 AM	05:00	7.37 pH	22.19 °C	244.55 µS/cm	2.67 mg/L	29.40 NTU	39.9 mV	56.52 ft	200.00 ml/min
8/24/2022 10:57 AM	10:00	7.43 pH	23.97 °C	250.98 µS/cm	3.17 mg/L	23.10 NTU	34.4 mV	56.63 ft	200.00 ml/min
8/24/2022 11:02 AM	15:00	7.45 pH	25.24 °C	248.72 µS/cm	3.27 mg/L	17.50 NTU	31.4 mV	56.63 ft	200.00 ml/min
8/24/2022 11:07 AM	20:00	7.47 pH	25.93 °C	248.87 µS/cm	2.86 mg/L	13.90 NTU	26.9 mV	56.61 ft	200.00 ml/min
8/24/2022 11:12 AM	25:00	7.46 pH	25.97 °C	246.85 µS/cm	2.68 mg/L	8.80 NTU	27.0 mV	56.61 ft	200.00 ml/min
8/24/2022 11:17 AM	30:00	7.47 pH	25.96 °C	245.88 µS/cm	2.59 mg/L	6.53 NTU	26.5 mV	56.61 ft	200.00 ml/min
8/24/2022 11:22 AM	35:00	7.49 pH	25.81 °C	247.87 µS/cm	2.56 mg/L	5.44 NTU	25.2 mV	56.61 ft	200.00 ml/min
8/24/2022 11:27 AM	40:00	7.48 pH	26.19 °C	248.03 µS/cm	2.53 mg/L	5.12 NTU	25.9 mV	56.61 ft	200.00 ml/min
8/24/2022 11:32 AM	45:00	7.49 pH	26.33 °C	248.17 µS/cm	2.61 mg/L	3.90 NTU	26.9 mV	56.61 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

Test Properties

Test Type = Low-Flow Test  
 Test Date / Time = 2022-08-24 10:47:52  
 Time Offset = -04:00:00  
 Operator Name = Ever Guillen  
 Project = Low-Flow Test 133 (2)  
 Initial Depth to Water = 55.07 ft  
 Flow Cell Volume = 90 ml  
 Final Draw Down = 1.54 ft  
 Estimated Total Volume Pumped = 9000 ml

Pump Properties

Pump Type = QED  
 Flow Rate = 200 ml/min  
 Final Flow Rate = 200 ml/min  
 Pump Intake From TOC = 76.65 m

Tubing Properties

Tubing Type = HDPE

Location Properties

Location Name = PZ-1D  
 Location ID = 57008adb-8e66-4ee0-9ae3-8ebe947b6312

Well Properties

Well Diameter = 2 in  
 Casing Type = PVC  
 Screen Length = 10 ft  
 Total Depth = 81.65 ft  
 Top of Screen = 71.65 ft

Instrument Properties

Device Model = Aqua TROLL 400  
 Device SN = 877800

Date Time	Elapsed Time	Depth to Water (ft)	Flow (ml/min)	Turbidity (NTU)	RDO		Oxygen	Actual	Specific			Total		Density (g/cm <sup>3</sup> )	Pressure (psi)	pH (pH)	pH (mV)	ORP (mV)
					Concentration (mg/L)	Saturation (%Sat)	Partial Pressure (Torr)	Conductivity (µS/cm)	Conductivity (µS/cm)	Salinity (PSU)	Dissolved Solids (ppt)	Resistivity (Ω-cm)						
8/24/2022 10:47	0:00:00	55.07	200	33.6	6.422483	76.66641	111.46	245.4752	24.0856	249.8386	0.119612	0.162395	4073.732	0.997369	8.27311	7.052401	-7.51066	84.48076
8/24/2022 10:52	0:05:00	56.52	200	29.4	2.673948	30.7925	44.91541	231.4187	22.18802	244.5534	0.11705	0.15896	4321.172	0.99782	8.240588	7.374349	-25.1091	39.94526
8/24/2022 10:57	0:10:00	56.63	200	23.1	3.171651	37.78129	54.93891	246.0627	23.97321	250.9849	0.120175	0.16314	4064.006	0.997397	8.333333	7.43347	-28.5244	34.38943
8/24/2022 11:02	0:15:00	56.63	200	17.5	3.26847	39.85781	57.82022	249.8545	25.23818	248.723	0.119037	0.16167	4002.329	0.997077	8.335042	7.449057	-29.5044	31.43781
8/24/2022 11:07	0:20:00	56.61	200	13.9	2.864949	35.38456	51.25998	253.3166	25.93468	248.8736	0.119087	0.161768	3947.63	0.996894	8.301745	7.469808	-30.7279	26.92813
8/24/2022 11:12	0:25:00	56.61	200	8.8	2.680422	33.12574	47.98443	251.4204	25.96865	246.8533	0.118098	0.160455	3977.402	0.996885	8.29596	7.463469	-30.3769	26.9635
8/24/2022 11:17	0:30:00	56.61	200	6.53	2.585222	31.94578	46.27575	250.3994	25.96272	245.8782	0.117622	0.159821	3993.62	0.996886	8.304152	7.47212	-30.8544	26.45242
8/24/2022 11:22	0:35:00	56.61	200	5.44	2.558704	31.53115	45.68912	251.7139	25.81119	247.8735	0.118603	0.161118	3972.764	0.996927	8.291778	7.489503	-31.8053	25.22952
8/24/2022 11:27	0:40:00	56.61	200	5.12	2.534835	31.45329	45.5411	253.6699	26.19092	248.0281	0.118664	0.161218	3942.131	0.996826	8.30663	7.484661	-31.5765	25.90691
8/24/2022 11:32	0:45:00	56.61	200	3.9	2.606722	32.42854	46.93943	254.4886	26.33282	248.1709	0.118729	0.161311	3929.45	0.996788	8.317773	7.489299	-31.849	26.92659

Notes

Test Notes: Sample time =1135. Dup FD-01 collected  
 Weather Conditions: Hot, humid and some rain

# Low-Flow Test Report:

Test Date / Time: 8/24/2022 11:01:30 AM

Project: Plant Mitchell CCR

Operator Name: Daniel Howard

<b>Location Name: PZ-2D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 70.95 ft</b> <b>Total Depth: 80.95 ft</b> <b>Initial Depth to Water: 38.56 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 75.95 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	--	--

## Test Notes:

Sample time 1132. Sample ID: MIT-PZ-2D-WG-20220824

## Weather Conditions:

Overcast, slight rain, 75F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/24/2022 11:01 AM	00:00	7.73 pH	21.06 °C	150.23 µS/cm	1.62 mg/L	2.52 NTU	60.8 mV	38.66 ft	200.00 ml/min
8/24/2022 11:06 AM	05:00	7.95 pH	20.62 °C	159.47 µS/cm	2.22 mg/L	2.56 NTU	63.6 mV	38.66 ft	200.00 ml/min
8/24/2022 11:11 AM	10:00	7.98 pH	20.54 °C	162.45 µS/cm	2.67 mg/L	1.53 NTU	81.6 mV	38.66 ft	200.00 ml/min
8/24/2022 11:16 AM	15:00	7.98 pH	20.59 °C	162.43 µS/cm	2.83 mg/L	1.74 NTU	62.8 mV	38.66 ft	200.00 ml/min
8/24/2022 11:21 AM	20:00	7.98 pH	20.62 °C	163.02 µS/cm	2.93 mg/L	1.46 NTU	80.9 mV	38.66 ft	200.00 ml/min
8/24/2022 11:26 AM	25:00	8.00 pH	20.63 °C	162.43 µS/cm	3.02 mg/L	1.44 NTU	61.4 mV	38.66 ft	200.00 ml/min
8/24/2022 11:31 AM	30:00	8.01 pH	20.64 °C	163.03 µS/cm	3.07 mg/L	1.51 NTU	79.6 mV	38.66 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 1:23:00 PM

Project: Plant Mitchell CCR (5)

Operator Name: Ever Guillen

<b>Location Name: PZ-7D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 60.37 ft</b> <b>Total Depth: 60.37 ft</b> <b>Initial Depth to Water: 34.92 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 55.37 ft</b> <b>Estimated Total Volume Pumped: 8370 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.03 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	--	--

## Test Notes:

Sample time = 1410

## Weather Conditions:

Hot-humid- some rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/25/2022 1:23 PM	00:00	7.13 pH	23.81 °C	480.27 µS/cm	3.37 mg/L	28.10 NTU	-30.9 mV	34.92 ft	200.00 ml/min
8/25/2022 1:24 PM	01:51	6.99 pH	22.08 °C	495.17 µS/cm	1.34 mg/L	28.70 NTU	6.0 mV	34.92 ft	200.00 ml/min
8/25/2022 1:29 PM	06:51	6.98 pH	22.27 °C	504.90 µS/cm	0.94 mg/L	23.60 NTU	22.7 mV	34.95 ft	200.00 ml/min
8/25/2022 1:34 PM	11:51	6.99 pH	24.65 °C	496.35 µS/cm	1.39 mg/L	16.90 NTU	19.5 mV	34.95 ft	200.00 ml/min
8/25/2022 1:39 PM	16:51	7.00 pH	25.51 °C	499.53 µS/cm	1.63 mg/L	10.70 NTU	26.3 mV	34.95 ft	200.00 ml/min
8/25/2022 1:44 PM	21:51	7.01 pH	22.18 °C	475.39 µS/cm	1.06 mg/L	6.06 NTU	34.0 mV	34.95 ft	200.00 ml/min
8/25/2022 1:49 PM	26:51	6.98 pH	21.85 °C	485.15 µS/cm	0.99 mg/L	5.02 NTU	35.8 mV	34.95 ft	200.00 ml/min
8/25/2022 1:54 PM	31:51	6.98 pH	21.82 °C	486.70 µS/cm	0.90 mg/L	3.98 NTU	41.9 mV	34.95 ft	200.00 ml/min
8/25/2022 1:59 PM	36:51	6.98 pH	21.82 °C	486.80 µS/cm	0.87 mg/L	2.66 NTU	43.6 mV	34.95 ft	200.00 ml/min
8/25/2022 2:04 PM	41:51	6.98 pH	21.73 °C	486.05 µS/cm	0.83 mg/L	1.73 NTU	38.2 mV	34.95 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

Test Date / Time: 8/25/2022 3:10:04 PM

Project: Plant Mitchell CCR (6)

Operator Name: Ever Guillen

<b>Location Name: PZ-14</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.2 ft</b> <b>Total Depth: 53.2 ft</b> <b>Initial Depth to Water: 45.55 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 48.2 ft</b> <b>Estimated Total Volume Pumped: 9000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.06 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	---	--

## Test Notes:

Sample time = 1600

## Weather Conditions:

Hot - humid- some rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/25/2022 3:10 PM	00:00	7.45 pH	29.75 °C	302.21 µS/cm	6.99 mg/L	21.10 NTU	42.0 mV	45.61 ft	200.00 ml/min
8/25/2022 3:15 PM	05:00	6.95 pH	23.08 °C	452.77 µS/cm	6.03 mg/L	17.30 NTU	62.5 mV	45.61 ft	200.00 ml/min
8/25/2022 3:20 PM	10:00	6.95 pH	22.69 °C	452.16 µS/cm	6.02 mg/L	12.60 NTU	49.1 mV	45.61 ft	200.00 ml/min
8/25/2022 3:25 PM	15:00	6.95 pH	22.81 °C	452.98 µS/cm	5.88 mg/L	8.98 NTU	61.6 mV	45.61 ft	200.00 ml/min
8/25/2022 3:30 PM	20:00	6.94 pH	22.58 °C	453.83 µS/cm	5.76 mg/L	6.54 NTU	48.1 mV	45.61 ft	200.00 ml/min
8/25/2022 3:35 PM	25:00	6.93 pH	22.54 °C	453.90 µS/cm	5.66 mg/L	5.32 NTU	61.1 mV	45.61 ft	200.00 ml/min
8/25/2022 3:40 PM	30:00	6.93 pH	22.85 °C	456.56 µS/cm	5.65 mg/L	3.96 NTU	46.8 mV	45.61 ft	200.00 ml/min
8/25/2022 3:45 PM	35:00	6.93 pH	22.90 °C	456.33 µS/cm	5.62 mg/L	2.73 NTU	53.8 mV	45.61 ft	200.00 ml/min
8/25/2022 3:50 PM	40:00	6.93 pH	22.74 °C	454.99 µS/cm	5.59 mg/L	1.55 NTU	53.2 mV	45.61 ft	200.00 ml/min
8/25/2022 3:55 PM	45:00	6.93 pH	22.45 °C	455.19 µS/cm	5.58 mg/L	0.67 NTU	45.0 mV	45.61 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 1:26:17 PM

Project: Plant Mitchell CCR (6)

Operator Name: Daniel Howard

<b>Location Name: PZ-15</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 73.22 ft</b> <b>Total Depth: 83.22 ft</b> <b>Initial Depth to Water: 31.85 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 78.22 ft</b> <b>Estimated Total Volume Pumped: 8000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.21 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	---	--

## Test Notes:

Sample time 1408.

## Weather Conditions:

Overcast, temp 80F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/25/2022 1:26 PM	00:00	7.20 pH	25.47 °C	580.78 µS/cm	4.04 mg/L	2.28 NTU	-94.5 mV	31.98 ft	200.00 ml/min
8/25/2022 1:31 PM	05:00	7.17 pH	24.70 °C	515.88 µS/cm	2.02 mg/L	1.83 NTU	-100.0 mV	31.98 ft	200.00 ml/min
8/25/2022 1:36 PM	10:00	7.16 pH	24.49 °C	516.50 µS/cm	1.53 mg/L	3.80 NTU	-114.9 mV	31.98 ft	200.00 ml/min
8/25/2022 1:41 PM	15:00	7.16 pH	24.51 °C	517.32 µS/cm	1.24 mg/L	1.85 NTU	-114.7 mV	31.99 ft	200.00 ml/min
8/25/2022 1:46 PM	20:00	7.16 pH	24.46 °C	517.78 µS/cm	0.97 mg/L	1.03 NTU	-111.0 mV	32.02 ft	200.00 ml/min
8/25/2022 1:51 PM	25:00	7.16 pH	24.34 °C	517.77 µS/cm	0.81 mg/L	0.57 NTU	-108.7 mV	32.02 ft	200.00 ml/min
8/25/2022 1:56 PM	30:00	7.16 pH	24.29 °C	517.32 µS/cm	0.66 mg/L	0.66 NTU	-104.2 mV	32.04 ft	200.00 ml/min
8/25/2022 2:01 PM	35:00	7.16 pH	24.38 °C	517.47 µS/cm	0.56 mg/L	0.46 NTU	-99.0 mV	32.06 ft	200.00 ml/min
8/25/2022 2:06 PM	40:00	7.15 pH	24.48 °C	517.74 µS/cm	0.46 mg/L	0.41 NTU	-94.2 mV	32.06 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 11:45:05 AM

Project: Plant Mitchell CCR (5)

Operator Name: Daniel Howard

<b>Location Name: PZ-16</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.19 ft</b> <b>Total Depth: 53.19 ft</b> <b>Initial Depth to Water: 36.3 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 48.19 ft</b> <b>Estimated Total Volume Pumped: 5000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
---	--	--

## Test Notes:

Sample time 1212. Sample ID: MIT-PZ-16-WG-20220825

## Weather Conditions:

Overcast, temp 77 F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/25/2022 11:45 AM	00:00	7.28 pH	22.81 °C	502.97 µS/cm	5.68 mg/L	0.45 NTU	0.7 mV	36.30 ft	200.00 ml/min
8/25/2022 11:50 AM	05:00	7.15 pH	22.62 °C	506.54 µS/cm	2.15 mg/L	0.65 NTU	84.7 mV	36.30 ft	200.00 ml/min
8/25/2022 11:55 AM	10:00	7.14 pH	22.60 °C	494.43 µS/cm	1.88 mg/L	1.30 NTU	127.2 mV	36.30 ft	200.00 ml/min
8/25/2022 12:00 PM	15:00	7.15 pH	22.54 °C	493.70 µS/cm	1.82 mg/L	1.14 NTU	134.3 mV	36.30 ft	200.00 ml/min
8/25/2022 12:05 PM	20:00	7.15 pH	22.53 °C	492.92 µS/cm	1.84 mg/L	1.09 NTU	137.3 mV	36.30 ft	200.00 ml/min
8/25/2022 12:10 PM	25:00	7.14 pH	22.43 °C	492.83 µS/cm	1.84 mg/L	0.92 NTU	104.3 mV	36.30 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 11:38:32 AM

Project: Plant Mitchell CCR (4)

Operator Name: Ever Guillen

<b>Location Name: PZ-17</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.7 ft</b> <b>Total Depth: 62.7 ft</b> <b>Initial Depth to Water: 35.03 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 57.7 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.08 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	---	--

## Test Notes:

Sample time = 1210

## Weather Conditions:

Hot- humid- some rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/25/2022 11:38 AM	00:00	7.34 pH	25.74 °C	443.93 µS/cm	7.26 mg/L	31.10 NTU	-78.2 mV	35.03 ft	200.00 ml/min
8/25/2022 11:43 AM	05:00	7.06 pH	22.31 °C	462.63 µS/cm	0.19 mg/L	26.20 NTU	-44.1 mV	35.11 ft	200.00 ml/min
8/25/2022 11:48 AM	10:00	7.06 pH	22.25 °C	464.31 µS/cm	0.11 mg/L	21.40 NTU	-40.0 mV	35.11 ft	200.00 ml/min
8/25/2022 11:53 AM	15:00	7.06 pH	22.22 °C	468.34 µS/cm	0.10 mg/L	16.90 NTU	-36.3 mV	35.11 ft	200.00 ml/min
8/25/2022 11:58 AM	20:00	7.05 pH	22.27 °C	469.30 µS/cm	0.11 mg/L	12.30 NTU	-33.1 mV	35.11 ft	200.00 ml/min
8/25/2022 12:03 PM	25:00	7.04 pH	22.27 °C	472.13 µS/cm	0.11 mg/L	7.18 NTU	-31.0 mV	35.11 ft	200.00 ml/min
8/25/2022 12:08 PM	30:00	7.05 pH	22.05 °C	472.92 µS/cm	0.12 mg/L	4.73 NTU	-29.0 mV	35.11 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 9:42:35 AM

Project: Plant Mitchell CCR (3)

Operator Name: Ever Guillen

<b>Location Name: PZ-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 53.18 ft</b> <b>Total Depth: 63.18 ft</b> <b>Initial Depth to Water: 31.51 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 58.18 ft</b> <b>Estimated Total Volume Pumped: 10000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	--	--

## Test Notes:

Sample time = 1035 . Dup FD-02 collected

## Weather Conditions:

Hot-humid- rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/25/2022 9:42 AM	00:00	6.70 pH	24.24 °C	441.05 µS/cm	7.90 mg/L	33.20 NTU	176.7 mV	31.51 ft	200.00 ml/min
8/25/2022 9:47 AM	05:00	6.72 pH	22.75 °C	651.93 µS/cm	0.88 mg/L	27.10 NTU	42.2 mV	31.51 ft	200.00 ml/min
8/25/2022 9:52 AM	10:00	6.80 pH	23.39 °C	634.53 µS/cm	1.79 mg/L	21.30 NTU	30.5 mV	31.51 ft	200.00 ml/min
8/25/2022 9:57 AM	15:00	6.81 pH	23.33 °C	639.42 µS/cm	2.01 mg/L	16.90 NTU	24.9 mV	31.51 ft	200.00 ml/min
8/25/2022 10:02 AM	20:00	6.79 pH	23.08 °C	644.75 µS/cm	0.73 mg/L	11.50 NTU	24.5 mV	31.51 ft	200.00 ml/min
8/25/2022 10:07 AM	25:00	6.77 pH	22.89 °C	647.67 µS/cm	0.20 mg/L	8.79 NTU	32.3 mV	31.51 ft	200.00 ml/min
8/25/2022 10:12 AM	30:00	6.76 pH	23.02 °C	648.95 µS/cm	0.19 mg/L	6.22 NTU	33.1 mV	31.51 ft	200.00 ml/min
8/25/2022 10:17 AM	35:00	6.76 pH	23.08 °C	648.01 µS/cm	0.18 mg/L	5.17 NTU	36.4 mV	31.51 ft	200.00 ml/min
8/25/2022 10:22 AM	40:00	6.76 pH	22.98 °C	648.66 µS/cm	0.19 mg/L	3.98 NTU	36.6 mV	31.51 ft	200.00 ml/min
8/25/2022 10:27 AM	45:00	6.76 pH	22.92 °C	648.81 µS/cm	0.18 mg/L	1.31 NTU	37.1 mV	31.51 ft	200.00 ml/min
8/25/2022 10:32 AM	50:00	6.76 pH	22.99 °C	648.77 µS/cm	0.18 mg/L	0.37 NTU	37.1 mV	31.51 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 10:02:03 AM

Project: Plant Mitchell CCR (4)

Operator Name: Daniel Howard

<b>Location Name: PZ-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.63 ft</b> <b>Total Depth: 62.63 ft</b> <b>Initial Depth to Water: 34.02 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 57.63 ft</b> <b>Estimated Total Volume Pumped: 5000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.05 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	---	--

## Test Notes:

Sample time 1028. SAMPLE ID: MIT-PZ-19-WG-20220825

## Weather Conditions:

Overcast, temp 74F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/25/2022 10:02 AM	00:00	7.00 pH	23.97 °C	747.53 µS/cm	3.96 mg/L	3.06 NTU	66.5 mV	34.07 ft	200.00 ml/min
8/25/2022 10:07 AM	05:00	6.67 pH	22.75 °C	864.90 µS/cm	0.71 mg/L	0.25 NTU	98.9 mV	34.07 ft	200.00 ml/min
8/25/2022 10:12 AM	10:00	6.67 pH	22.63 °C	861.49 µS/cm	0.38 mg/L	0.62 NTU	127.1 mV	34.07 ft	200.00 ml/min
8/25/2022 10:17 AM	15:00	6.67 pH	22.67 °C	861.18 µS/cm	0.34 mg/L	0.24 NTU	127.0 mV	34.07 ft	200.00 ml/min
8/25/2022 10:22 AM	20:00	6.67 pH	22.69 °C	863.79 µS/cm	0.35 mg/L	0.22 NTU	98.4 mV	34.07 ft	200.00 ml/min
8/25/2022 10:27 AM	25:00	6.67 pH	22.68 °C	858.98 µS/cm	0.37 mg/L	0.15 NTU	124.1 mV	34.07 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/25/2022 3:42:03 PM

Project: Plant Mitchell CCR (8)

Operator Name: Daniel Howard

<b>Location Name: PZ-23A</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 57.21 ft</b> <b>Total Depth: 67.21 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 62.21 ft</b> <b>Estimated Total Volume Pumped: 5000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.31 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	---	--

Test Notes: Sample time 1608

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/25/2022 3:42 PM	00:00	6.76 pH	26.26 °C	763.12 µS/cm	2.23 mg/L	8.31 NTU	93.0 mV	53.22 ft	200.00 ml/min
8/25/2022 3:47 PM	05:00	6.76 pH	24.52 °C	732.91 µS/cm	2.23 mg/L	7.18 NTU	93.8 mV	53.22 ft	200.00 ml/min
8/25/2022 3:52 PM	10:00	6.76 pH	24.37 °C	724.45 µS/cm	2.20 mg/L	6.25 NTU	128.8 mV	53.22 ft	200.00 ml/min
8/25/2022 3:57 PM	15:00	6.76 pH	24.23 °C	724.96 µS/cm	2.16 mg/L	3.53 NTU	131.9 mV	53.20 ft	200.00 ml/min
8/25/2022 4:02 PM	20:00	6.76 pH	24.35 °C	722.87 µS/cm	2.10 mg/L	2.94 NTU	132.8 mV	53.20 ft	200.00 ml/min
8/25/2022 4:07 PM	25:00	6.76 pH	24.44 °C	728.37 µS/cm	2.08 mg/L	2.52 NTU	96.3 mV	53.18 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

Test Date / Time: 8/24/2022 3:19:00 PM

Project: Plant Mitchell CCR (3)

Operator Name: Daniel Howard

<b>Location Name: PZ-25</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.19 ft</b> <b>Total Depth: 63.19 ft</b> <b>Initial Depth to Water: 32.83 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 58.19 ft</b> <b>Estimated Total Volume Pumped: 5000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	--	--

## Test Notes:

Sample time 1545. Sample ID: MIT-PZ-25-WG-20220824.

## Weather Conditions:

Overcast, temp 85 F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/24/2022 3:19 PM	00:00	7.21 pH	25.65 °C	463.44 µS/cm	5.62 mg/L	1.16 NTU	-25.1 mV	32.91 ft	200.00 ml/min
8/24/2022 3:24 PM	05:00	7.10 pH	24.02 °C	466.15 µS/cm	2.34 mg/L	1.78 NTU	-32.9 mV	32.92 ft	200.00 ml/min
8/24/2022 3:29 PM	10:00	7.10 pH	23.82 °C	466.89 µS/cm	0.65 mg/L	3.48 NTU	-47.8 mV	32.92 ft	200.00 ml/min
8/24/2022 3:34 PM	15:00	7.10 pH	23.88 °C	467.03 µS/cm	0.62 mg/L	2.80 NTU	-71.5 mV	32.92 ft	200.00 ml/min
8/24/2022 3:39 PM	20:00	7.10 pH	23.97 °C	466.31 µS/cm	0.59 mg/L	1.12 NTU	-40.9 mV	32.92 ft	200.00 ml/min
8/24/2022 3:44 PM	25:00	7.10 pH	24.01 °C	466.70 µS/cm	0.57 mg/L	1.40 NTU	-71.5 mV	32.93 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/24/2022 1:20:32 PM

Project: Plant Mitchell CCR

Operator Name: Ever Guillen

<b>Location Name: PZ-31</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 51.6 ft</b> <b>Total Depth: 61.6 ft</b> <b>Initial Depth to Water: 41.67 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 56.6 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.24 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	---	--

## Test Notes:

Sample time= 1400

## Weather Conditions:

Hot- humid- some rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/24/2022 1:20 PM	00:00	7.69 pH	26.09 °C	273.27 µS/cm	7.93 mg/L	24.60 NTU	43.5 mV	41.91 ft	200.00 ml/min
8/24/2022 1:25 PM	05:00	7.05 pH	21.71 °C	445.73 µS/cm	5.60 mg/L	17.10 NTU	38.1 mV	42.91 ft	200.00 ml/min
8/24/2022 1:30 PM	10:00	7.04 pH	21.61 °C	427.18 µS/cm	5.25 mg/L	14.30 NTU	40.0 mV	42.91 ft	200.00 ml/min
8/24/2022 1:35 PM	15:00	7.05 pH	21.56 °C	445.78 µS/cm	5.44 mg/L	10.70 NTU	38.0 mV	42.91 ft	200.00 ml/min
8/24/2022 1:40 PM	20:00	7.05 pH	21.50 °C	443.94 µS/cm	5.16 mg/L	7.29 NTU	42.5 mV	42.91 ft	200.00 ml/min
8/24/2022 1:45 PM	25:00	7.04 pH	21.42 °C	443.93 µS/cm	5.05 mg/L	5.33 NTU	44.6 mV	42.91 ft	200.00 ml/min
8/24/2022 1:50 PM	30:00	7.03 pH	21.33 °C	443.97 µS/cm	4.96 mg/L	3.17 NTU	43.0 mV	42.91 ft	200.00 ml/min
8/24/2022 1:55 PM	35:00	7.04 pH	21.20 °C	437.37 µS/cm	4.96 mg/L	1.03 NTU	42.7 mV	42.91 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/24/2022 1:33:51 PM

Project: Plant Mitchell CCR (2)

Operator Name: Daniel Howard

<b>Location Name: PZ-32</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 55.3 ft</b> <b>Total Depth: 65.3 ft</b> <b>Initial Depth to Water: 40.64 ft</b>	<b>Pump Type: QED Dedicated Bladder Pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 60.3 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.04 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	--	--

## Test Notes:

Sample time 1410. Sample ID: MIT-PZ32-WG-20220824.

## Weather Conditions:

Overcast, 83F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/24/2022 1:33 PM	00:00	7.35 pH	21.82 °C	342.36 µS/cm	2.95 mg/L	1.07 NTU	41.0 mV	40.68 ft	200.00 ml/min
8/24/2022 1:38 PM	05:00	7.33 pH	21.23 °C	337.70 µS/cm	2.76 mg/L	0.39 NTU	62.1 mV	40.68 ft	200.00 ml/min
8/24/2022 1:43 PM	10:00	7.33 pH	21.11 °C	332.74 µS/cm	2.59 mg/L	0.35 NTU	86.9 mV	40.68 ft	200.00 ml/min
8/24/2022 1:48 PM	15:00	7.34 pH	20.95 °C	331.62 µS/cm	2.38 mg/L	0.49 NTU	91.0 mV	40.68 ft	200.00 ml/min
8/24/2022 1:53 PM	20:00	7.34 pH	20.99 °C	331.33 µS/cm	2.26 mg/L	0.20 NTU	91.6 mV	40.68 ft	200.00 ml/min
8/24/2022 1:58 PM	25:00	7.33 pH	20.85 °C	330.94 µS/cm	2.11 mg/L	0.22 NTU	92.5 mV	40.68 ft	200.00 ml/min
8/24/2022 2:03 PM	30:00	7.33 pH	20.95 °C	329.59 µS/cm	2.02 mg/L	0.22 NTU	91.8 mV	40.68 ft	200.00 ml/min
8/24/2022 2:08 PM	35:00	7.34 pH	20.76 °C	330.19 µS/cm	1.97 mg/L	0.15 NTU	91.3 mV	40.68 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/24/2022 3:10:47 PM

Project: Plant Mitchell CCR (2)

Operator Name: Ever Guillen

<b>Location Name: PZ-33</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 63.6 ft</b> <b>Total Depth: 73.6 ft</b> <b>Initial Depth to Water: 51.49 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 68.6 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.22 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 877800</b>
--	---	--

## Test Notes:

Sample time = 1545

## Weather Conditions:

Hot-humid-some rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.1	+/- 5	+/- 10	+/- 0.3	
8/24/2022 3:10 PM	00:00	7.15 pH	23.97 °C	458.72 µS/cm	2.82 mg/L	24.10 NTU	-8.8 mV	52.71 ft	200.00 ml/min
8/24/2022 3:15 PM	05:00	7.12 pH	23.39 °C	463.28 µS/cm	1.02 mg/L	20.30 NTU	13.9 mV	52.71 ft	200.00 ml/min
8/24/2022 3:20 PM	10:00	7.11 pH	23.21 °C	462.87 µS/cm	0.53 mg/L	16.90 NTU	22.0 mV	52.71 ft	200.00 ml/min
8/24/2022 3:25 PM	15:00	7.11 pH	23.08 °C	461.38 µS/cm	0.31 mg/L	12.10 NTU	27.3 mV	52.71 ft	200.00 ml/min
8/24/2022 3:30 PM	20:00	7.10 pH	23.34 °C	463.17 µS/cm	0.25 mg/L	8.72 NTU	30.6 mV	52.71 ft	200.00 ml/min
8/24/2022 3:35 PM	25:00	7.10 pH	23.32 °C	461.57 µS/cm	0.20 mg/L	5.39 NTU	32.9 mV	52.71 ft	200.00 ml/min
8/24/2022 3:40 PM	30:00	7.10 pH	23.52 °C	463.96 µS/cm	0.19 mg/L	3.07 NTU	35.8 mV	52.71 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 8/26/2022 10:42:59 AM

Project: Plant Mitchell CCR (9)

Operator Name: Daniel Howard

<b>Location Name: PZ-57</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 63.39 ft</b> <b>Total Depth: 73.39 ft</b> <b>Initial Depth to Water: 30.82 ft</b>	<b>Pump Type: Sample Pro Bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 68.4 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.32 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 884186</b>
--	---	--

## Test Notes:

Sample time 1120. Sample ID: MIT-PZ-57-WG-20220826.

## Weather Conditions:

Partly cloudy, 77F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/26/2022 10:42 AM	00:00	7.09 pH	23.53 °C	614.03 µS/cm	0.78 mg/L	14.10 NTU	69.3 mV	31.14 ft	200.00 ml/min
8/26/2022 10:47 AM	05:00	7.09 pH	23.61 °C	583.90 µS/cm	0.50 mg/L	18.90 NTU	51.0 mV	31.14 ft	200.00 ml/min
8/26/2022 10:52 AM	10:00	7.08 pH	23.79 °C	584.94 µS/cm	0.42 mg/L	15.60 NTU	37.0 mV	31.14 ft	200.00 ml/min
8/26/2022 10:57 AM	15:00	7.09 pH	23.66 °C	582.04 µS/cm	0.36 mg/L	15.70 NTU	30.8 mV	31.14 ft	200.00 ml/min
8/26/2022 11:02 AM	20:00	7.09 pH	23.70 °C	582.62 µS/cm	0.32 mg/L	11.40 NTU	29.6 mV	31.14 ft	200.00 ml/min
8/26/2022 11:07 AM	25:00	7.09 pH	23.64 °C	582.05 µS/cm	0.29 mg/L	9.14 NTU	25.1 mV	31.14 ft	200.00 ml/min
8/26/2022 11:12 AM	30:00	7.09 pH	23.60 °C	581.39 µS/cm	0.25 mg/L	4.99 NTU	40.0 mV	31.14 ft	200.00 ml/min
8/26/2022 11:17 AM	35:00	7.09 pH	23.60 °C	583.06 µS/cm	0.21 mg/L	2.37 NTU	50.3 mV	31.14 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 10/11/2022 2:54:04 PM

Project: Plant Mitchell (3)

Operator Name: Ever Guillen

<b>Location Name: PZ-25</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52 ft</b> <b>Total Depth: 62 ft</b> <b>Initial Depth to Water: 34.32 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 62 ft</b> <b>Estimated Total Volume Pumped: 8000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.44 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
--	---	--

## Test Notes:

Sample time = 1540

## Weather Conditions:

Clear-hot-humid

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
10/11/2022 2:54 PM	00:00	7.23 pH	29.08 °C	380.40 µS/cm	2.83 mg/L	7.93 NTU	-45.7 mV	34.32 ft	200.00 ml/min
10/11/2022 2:59 PM	05:00	7.12 pH	25.18 °C	388.54 µS/cm	0.55 mg/L	7.22 NTU	-118.7 mV	34.76 ft	200.00 ml/min
10/11/2022 3:04 PM	10:00	7.13 pH	25.04 °C	387.60 µS/cm	0.29 mg/L	5.72 NTU	-126.3 mV	34.76 ft	200.00 ml/min
10/11/2022 3:09 PM	15:00	7.13 pH	24.86 °C	390.04 µS/cm	0.25 mg/L	4.37 NTU	-129.4 mV	34.76 ft	200.00 ml/min
10/11/2022 3:14 PM	20:00	7.13 pH	24.55 °C	387.33 µS/cm	0.24 mg/L	3.39 NTU	-129.2 mV	34.76 ft	200.00 ml/min
10/11/2022 3:19 PM	25:00	7.13 pH	24.54 °C	388.33 µS/cm	0.23 mg/L	1.88 NTU	-145.9 mV	34.76 ft	200.00 ml/min
10/11/2022 3:24 PM	30:00	7.14 pH	24.96 °C	389.38 µS/cm	0.23 mg/L	1.22 NTU	-133.2 mV	34.76 ft	200.00 ml/min
10/11/2022 3:29 PM	35:00	7.14 pH	25.07 °C	390.08 µS/cm	0.22 mg/L	0.87 NTU	-134.0 mV	34.76 ft	200.00 ml/min
10/11/2022 3:34 PM	40:00	7.13 pH	24.86 °C	388.97 µS/cm	0.22 mg/L	1.03 NTU	-133.9 mV	34.76 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 10/11/2022 12:37:05 PM

Project: Plant Mitchell (2)

Operator Name: Ever Guillen

<b>Location Name: PZ-32</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 60 ft</b> <b>Total Depth: 70 ft</b> <b>Initial Depth to Water: 41.63 ft</b>	<b>Pump Type: QED</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 65 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.16 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
--	---	--

## Test Notes:

Sample time = 1315

## Weather Conditions:

Cool-cloudy-humid

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
10/11/2022 12:37 PM	00:00	7.70 pH	23.71 °C	252.44 µS/cm	8.63 mg/L	4.33 NTU	83.0 mV	41.63 ft	200.00 ml/min
10/11/2022 12:42 PM	05:00	7.42 pH	20.59 °C	274.70 µS/cm	1.50 mg/L	3.38 NTU	19.0 mV	41.78 ft	200.00 ml/min
10/11/2022 12:47 PM	10:00	7.39 pH	20.82 °C	274.20 µS/cm	1.53 mg/L	2.96 NTU	36.5 mV	41.78 ft	200.00 ml/min
10/11/2022 12:52 PM	15:00	7.39 pH	20.86 °C	271.27 µS/cm	1.34 mg/L	2.21 NTU	39.2 mV	41.79 ft	200.00 ml/min
10/11/2022 12:57 PM	20:00	7.38 pH	21.09 °C	272.69 µS/cm	1.33 mg/L	1.38 NTU	41.7 mV	41.79 ft	200.00 ml/min
10/11/2022 1:02 PM	25:00	7.39 pH	21.15 °C	272.30 µS/cm	1.34 mg/L	1.10 NTU	43.2 mV	41.79 ft	200.00 ml/min
10/11/2022 1:07 PM	30:00	7.39 pH	21.34 °C	271.44 µS/cm	1.40 mg/L	0.98 NTU	44.4 mV	41.79 ft	200.00 ml/min
10/11/2022 1:12 PM	35:00	7.37 pH	21.18 °C	271.22 µS/cm	1.48 mg/L	0.94 NTU	45.8 mV	41.79 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-APA12-EB-01-WQ-202208 26

MATRIX: Groundwater

WELL MATERIAL: \_\_\_ PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: Pours over pump

DUP./REP. OF: \_\_\_

WELL DIAMETER: \_\_\_

DEPTH TO WATER: \_\_\_

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: \_\_\_

WATER COLUMN HEIGHT: \_\_\_

Pump Intake Set at (btoc):     

PURGE VOLUME:     

or

Tubing Inlet Set at (btoc):     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

**NOTES:** <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs QED Sample Pro Bladder pump use to sample well PZ-57  
Used Ionized ASTM Type I water (Chem World 7732-18-5)

SAMPLE DATE: 8/26/22  
SAMPLE TIME: 0915

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Cloudy, Temp 75°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	



PROJECT NAME: Plant Mitchell, GA - CCR GW

# PLANT MITCHELL FIELD SAMPLING REPORT

## ASH PONDS 1 AND 2

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-APA12-FB-01-WQ-202208 24

MATRIX: Groundwater

WELL MATERIAL: \_\_\_ PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: Direct Pour

DUP./REP. OF: \_\_\_

WELL DIAMETER: \_\_\_

DEPTH TO WATER: \_\_\_

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: \_\_\_

Pump Intake Set at (btoc): \_\_\_

WATER COLUMN HEIGHT: \_\_\_

or

PURGE VOLUME: \_\_\_

Tubing Inlet Set at (btoc): \_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm 0.1$ pH units)	SPEC. COND. ( $\mu\text{s/cm}$ ) [ $\pm 5\%$ ]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq 5$  NTUs Deionized Type I ASTM water Chem World 7732-18-5

SAMPLE DATE: 8/24/22

SAMPLE TIME: 1000

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	PH Check	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO <sub>3</sub> to pH <2	<2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C		EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C		SM2540C	TDS
1 L/Poly	2	HNO <sub>3</sub> to pH <2	<2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast chance of rain</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-1D-WG-202208 24

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: LOW FLOW DEDICATED BLENDER PUMP

WELL DIAMETER: 2"

DUP./REP. OF: FD-001

DEPTH TO WATER: 55.07 GRAB (x) COMPOSITE ( )

Pump Intake Set at (btoc): 56.24 <sup>dh</sup> 76.65

TOTAL DEPTH: <sup>dh</sup> 61.24 81.65 <sup>dh</sup> 1.04 X 3 = 3.13 0.11 26.58

or  
Tubing Inlet Set at (btoc):       

PURGE VOLUME: 3.13 0.11

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOG) <sup>1</sup>
0.0 Initial: 1048	0.25	6.42	84.5	7.05	249.84	24.09	33.6	200 ( )	55.07
5.0 1053	0.5	2.67	39.9	7.37	244.55	22.19	29.4	200	56.52
10 1058	0.75	3.17	34.4	7.43	250.98	23.97	23.1	200	56.63
15 1103	1.0	3.27	29.86	7.45	248.72	25.24	17.5	200	56.63
20 1108	1.25	2.86	26.9	7.47	248.87	25.93	13.9	200	56.61
25 1113	1.5	2.68	27.0	7.46	<del>244.99</del> 246.95	25.97	8.80	200	56.61
30 1118	1.75	2.59	26.5	7.47	245.88	25.96	6.53	200	56.61
35 1123	2.0	2.56	25.2	7.49	247.87	25.81	5.44	200	56.61
40 1128	2.25	2.53	25.9	7.48	248.03	26.19	5.12	200	56.61
45 1133	2.5	2.61	26.9	7.49	248.17	26.33	3.90	200	56.61
1135	Collect Sample								

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs  
 Preserved Samples PH = 2.0  
 Collected duplicate sample: MIT-APA12-FD-001-WG-20220824

SAMPLE DATE: 8-24-22

SAMPLE TIME: 1135

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>HOT-HUMID-SOME RAIN</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-2D-WG-202208 24

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: QED Dedicated Bladder Pump (low flow)

WELL DIAMETER: 2  
DEPTH TO WATER: ~~38.62~~ 38.56 GRAB (x) COMPOSITE ( )

DUP./REP. OF: \_\_\_\_\_

TOTAL DEPTH: 80.95  
WATER COLUMN HEIGHT: 42.39

Pump Intake Set at (btoc): 75.95

PURGE VOLUME: \_\_\_\_\_  
[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

or  
Tubing Inlet Set at (btoc): \_\_\_\_\_

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1101	0	1.62	60.8	7.73	150.23	21.06	2.52	200 ( )	38.66
1106	0.25	2.22	63.6	7.95	159.47	20.62	2.56	200	38.66
1111	0.5	2.67	81.6	7.98	162.45	20.54	1.53	200	38.66
1116	0.75	2.83	62.8	7.98	162.43	20.59	1.74	200	38.66
1121	1.0	2.93	80.9	7.98	163.02	20.62	1.46	200	38.66
1126	1.25	3.02	61.4	8.00	162.43	20.63	1.44	200	38.66
1131	1.5	3.07	79.6	8.01	163.03	20.64	1.51	200	38.66

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/24/22  
 SAMPLE TIME: 1132

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE / <sup>pH</sup> Check	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2   <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2   <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, Slight Rain 75°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-7D-WG-202208 25

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Low FLOW (DEDICATED BLADDER PUMP)

WELL DIAMETER: 2"

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 34.92

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 60.37

Pump Intake Set at (btoc): 55.37

WATER COLUMN HEIGHT: 25.45 X 0.17 = 4.32 X 3 = 12.97

or

PURGE VOLUME: 12.97

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1323 0.0	0.1	3.37	-30.9	7.13	480.27	23.81	28.1	200	34.92
1325 1.51	0.15	1.34	6.0	6.99	495.17	22.08	28.7	200	34.92
1330 6.51	0.25	0.94	22.7	6.98	504.90	22.27	23.6	200	34.95
1335 11.51	0.50	1.39	19.5	6.99	496.35	24.65	16.9	200	34.95
1340 16.51	0.75	1.63	26.3	7.00	499.53	25.51	10.7	200	34.95
1345 21.51	1.0	1.06	34.0	7.01	475.39	22.18	6.06	200	34.95
1350 26.51	1.25	0.99	35.8	6.98	485.15	21.85	5.02	200	34.95
1355 31.51	1.5	0.90	41.9	6.98	486.70	21.82	3.98	200	34.95
1400 36.51	1.75	0.87	43.6	6.98	486.80	21.82	2.66	200	34.95
1405 41.51	2.0	0.83	38.2	6.98	486.05	21.73	1.73	200	34.95
1410	Collect Sample								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs  
**PRESERVED SAMPLES PH = < 2.0**

SAMPLE DATE: 8-25-22

SAMPLE TIME: 1410

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>HOT - HUMID - SOME RAIN</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:     2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2;     OTHER

WELL ID / SAMPLE ID: MIT-PZ-14-WG-202208 25

MATRIX: Groundwater

WELL MATERIAL: X PVC     SS     OTHER

SAMPLE METHOD: LOW FLOW (DEDICATED BLADDER PUMP)

WELL DIAMETER: 2"

DUP./REP. OF:           

DEPTH TO WATER: 45.55

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 53.20

Pump Intake Set at (btoc): 48.20'

WATER COLUMN HEIGHT: 7.65 x 0.17 = 1.30 x 3 = 3.90

or

PURGE VOLUME: 3.90

Tubing Inlet Set at (btoc):           

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [±5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1510	0.0	6.99	42.0	7.45	302.21	29.75	21.1	200 ( )	45.61
1515	5.0	6.03	62.5	6.95	452.77	23.08	17.3	200	45.61
1520	10.0	6.02	60.5	6.95	452.16	22.69	12.6	200	45.61
1525	15.0	5.88	61.6	6.95	452.98	22.81	8.98	200	45.61
1530	20.0	5.76	48.1	6.94	453.83	22.58	6.54	200	45.61
1535	25.0	5.66	61.1	6.93	453.90	22.54	5.32	200	45.61
1540	30.0	5.65	46.8	6.93	456.56	22.85	3.96	200	45.61
1545	35.0	5.62	53.8	6.93	456.33	22.90	2.73	200	45.61
1550	40.0	5.59	53.2	6.93	454.99	22.74	1.55	200	45.61
1555	45.0	5.58	45.0	6.93	455.19	22.45	0.67	200	45.61
1600	COLLECT	SAMPLE							

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs  
PRESERVED SAMPLES PH = < 2.0

SAMPLE DATE: 8-25-22

SAMPLE TIME:           

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Hot - Humid - Some Rain</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	<u>          </u>

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-PZ-15-WG-202208 25

MATRIX: Groundwater

WELL MATERIAL: X PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: QED Dedicated Bladder pump (low flow)

WELL DIAMETER: 2

DEPTH TO WATER: 31.85

GRAB (x) COMPOSITE ( )

DUP./REP. OF: \_\_\_\_\_

TOTAL DEPTH: 83.22

Pump Intake Set at (btoc): 78.22

WATER COLUMN HEIGHT: 51.37

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1326	0	4.04	-94.5	7.20	580.78	25.47	2.28	100	31.98
1331	0.25	2.02	-100.0	7.17	515.88	24.70	1.83	200	31.98
1336	0.5	1.53	-114.9	7.16	516.50	24.49	3.80	200	31.98
1341	0.75	1.24	-114.7	7.16	517.32	24.51	1.85	200	31.99
1346	1.0	0.97	-111.0	7.16	517.78	24.46	1.03	200	32.02
1351	1.25	0.81	-108.7	7.16	517.77	24.34	0.57	200	32.02
1356	1.50	0.66	-104.2	7.16	517.32	24.29	0.66	200	32.04
1401	1.75	0.48	-99.0	7.16	517.47	24.38	0.46	200	32.06
1406	2.0	0.41	-94.2	7.15	517.74	24.48	0.41	200	32.06

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/25/22

SAMPLE TIME: 1408

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, Temp 80°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-PZ-16-WG-20220825

MATRIX: Groundwater

WELL MATERIAL: X PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: QED Dedicated Bladder Pump (low flow)

WELL DIAMETER: 2

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 36.38

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 53.79

Pump Intake Set at (btoc): 48.19

WATER COLUMN HEIGHT: 16.89

or

PURGE VOLUME: \_\_\_\_\_

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: <u>1145</u>	<u>0</u>	<u>5.68</u>	<u>0.7</u>	<u>7.28</u>	<u>502.97</u>	<u>22.81</u>	<u>0.45</u>	<u>200</u>	<u>36.38</u>
<u>1150</u>	<u>0.25</u>	<u>2.15</u>	<u>84.7</u>	<u>7.15</u>	<u>506.54</u>	<u>22.62</u>	<u>0.65</u>	<u>200</u>	<u>36.38</u>
<u>1155</u>	<u>0.5</u>	<u>1.88</u>	<u>127.2</u>	<u>7.14</u>	<u>494.43</u>	<u>22.60</u>	<u>1.30</u>	<u>200</u>	<u>36.38</u>
<u>1200</u>	<u>0.25</u>	<u>1.82</u>	<u>134.3</u>	<u>7.15</u>	<u>493.70</u>	<u>22.54</u>	<u>1.14</u>	<u>200</u>	<u>36.38</u>
<u>1205</u>	<u>1.0</u>	<u>1.84</u>	<u>137.3</u>	<u>7.15</u>	<u>492.92</u>	<u>22.53</u>	<u>1.09</u>	<u>200</u>	<u>36.38</u>
<u>1210</u>	<u>1.25</u>	<u>1.84</u>	<u>104.3</u>	<u>7.14</u>	<u>492.83</u>	<u>22.43</u>	<u>0.92</u>	<u>200</u>	<u>36.38</u>

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/25/22

SAMPLE TIME: 1212

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, Temp 77°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501; nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: 2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-17-WG-202208 25

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Low Flow (DEDICATED BLADDER Pump)

WELL DIAMETER: 2"

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 35.03

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 62.70

Pump Intake Set at (btoc): 57.70

WATER COLUMN HEIGHT: ~~27.00~~ 27.67 x 0.17 = 4.70 x 3 = 14.11

or

PURGE VOLUME: 14.11

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [± 5%]	TEMP (°C) Record only	TURB. (NTU) [≤ 5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1138.0.0	0.11	7.26	-78.2	7.34	443.93	25.74	31.1	200 ( )	35.03
1143 5.0	0.25	0.19	-44.1	7.06	462.63	22.31	26.2	200	35.11
1148 10.0	0.50	0.11	-40.0	7.06	464.31	22.25	21.4	200	35.11
1153 15.0	0.75	0.10	-36.3	7.06	468.34	22.22	16.9	200	35.11
1158 20.0	1.0	0.11	-33.1	7.05	469.30	22.27	12.3	200	35.11
1203 25.0	1.25	0.11	-31.0	7.04	472.13	22.27	7.18	200	35.11
1208 30.0	1.50	0.12	-29.0	7.05	472.92	22.05	4.73	200	35.11
1210	Collect	SAMPLE							

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs  
PRESERVED SAMPLES PH = < 2.0

SAMPLE DATE: 8-25-22

SAMPLE TIME: 1210

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>HOT - HUMID - SOME RAIN</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	



PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-18-WG-202208 25

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: LOW FLOW (DEDICATED BLADDER PUMP)

WELL DIAMETER: 2"

DUP./REP. OF: MIT-APA12-FD002-WG-2022 0825

DEPTH TO WATER: 31.51

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 63.18

Pump Intake Set at (btoc): 58.18'

WATER COLUMN HEIGHT: 31.67 x 0.117 = 538 x 16.14

or

Tubing Inlet Set at (btoc):       

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 942 0.0	0.1	7.90	176.7	6.70	441.05	24.24	33.2	200 ( )	31.51
947 5.0	0.25	0.88	42.2	6.72	657.93	22.75	27.1	200	31.51
952 10.0	0.50	0.79	30.5	6.80	634.53	23.39	21.3	200	31.51
957 15.0	0.75	2.01	24.9	6.81	639.42	23.33	16.9	200	31.51
1002 20.0	1.0	0.73	24.5	6.79	644.75	23.08	11.5	200	31.51
1007 25.0	1.25	0.20	32.3	6.77	647.67	22.89	8.79	200	31.51
1012 30.0	1.5	0.19	33.1	6.76	648.95	23.08	6.22	200	31.51
1017 35.0	1.75	0.18	36.4	6.76	648.01	23.08	5.17	200	31.51
1022 40.0	2.0	0.19	36.6	6.76	348.66	22.98	3.98	200	31.51
1027 45.0	2.25	0.18	37.1	6.76	348.81	22.92	1.31	200	31.51
1032 50.0	2.5	0.18	37.1	6.76	348.77	22.99	0.37	200	31.51
1035	Collect	Sample							

**NOTES:**

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity ≤ 5 NTUs Collected duplicate sample FD-002  
PRESERVED SAMPLES PH = < 2.0

SAMPLE DATE: 8-25-22

SAMPLE TIME: 1035

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>HOT - HUMID - RAIN</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-PZ-19-WG-202208 25

MATRIX: Groundwater

WELL MATERIAL: X PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: GEO Dedicated Bladder pump (low flow)

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2

DEPTH TO WATER: 34.02

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 62.63

WATER COLUMN HEIGHT: 28.61

Pump Intake Set at (btoc): 57.63

PURGE VOLUME: \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1002	0	3.96	66.5	7.00	747.53	23.97	3.06	200	34.07
1007	0.25	0.71	98.9	6.67	864.90	22.75	0.25	200	34.07
1012	0.50	0.38	127.1	6.67	861.49	22.63	0.62	200	34.07
1017	0.75	0.34	127.0	6.67	861.18	22.67	0.24	200	34.07
1022	1.0	0.35	98.4	6.67	863.79	22.69	0.22	200	34.07
1027	1.25	0.37	124.1	6.67	858.98	22.68	0.15	200	34.07

**NOTES:**

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/25/22

SAMPLE TIME: 1028

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, chance of rain Temp 74°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	_____

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-23A-WG-20220825

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: QED Dedicated Bladder Pump (low flow)

WELL DIAMETER: 2

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 52.89

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 0.6360 67.21

Pump Intake Set at (btoc): 58.60<sup>DH</sup> 62.21

WATER COLUMN HEIGHT: 14.32

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1541	0	2.23	93.0	6.76	763.12	26.26	8.31	200	53.22
1546	0.5	2.23	93.8	6.76	732.91	24.52	7.18	200	53.22
1551	0.5	2.20	128.8	6.76	724.45	24.37	6.25	200	53.22
1556	0.75	2.16	131.9	6.76	724.96	24.23	4.53	200	53.20
1601	1.0	2.10	132.8	6.76	722.87	24.35	2.94	200	53.20
1606	1.25	2.08	96.3	6.76	728.37	24.44	2.52	200	53.18

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/25/22  
SAMPLE TIME: 1608

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	pH check	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	1 < 2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C		EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C		SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	1 < 2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, Temp 82°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501; nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-25-WG-202208 24

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: GED Dedicated Bladder Pump (low flow)

WELL DIAMETER: 2

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 32.83

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 63.19

WATER COLUMN HEIGHT: 30.36

Pump Intake Set at (btoc): 58.19

PURGE VOLUME: \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1519	0	5.62	-25.1	7.21	463.44	25.65	1.16	200	32.91
1524	0.25	2.34	-32.9	7.10	466.15	24.02	1.78	200	32.92
1529	0.5	0.65	-47.8	7.10	466.89	22.82	3.48	200	32.92
1534	0.75	0.62	-71.5	7.10	467.03	23.88	2.80	200	32.92
1539	1.0	0.59	-40.9	7.10	466.31	23.97	1.12	200	32.92
1544	1.25	0.57	-71.5	7.10	466.70	24.01	1.40	200	32.93

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/24/22  
 SAMPLE TIME: 1545

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, Temp 85°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-31-WG-202208 24

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Low Flow (DEDICATED BLADDER PUMP)

WELL DIAMETER: 2"

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 41.67

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 61.60

Pump Intake Set at (btoc): 56.0'

WATER COLUMN HEIGHT: 19.93 x 0.17 = 3.38 x 3 = 10.16

or

PURGE VOLUME: 10.16

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1320 0.0	0.1	7.93	43.5	7.69	273.27	26.09	24.6	200 ( )	42.91
1325 5.0	0.25	5.60	38.1	7.05	445.73	21.71	17.1	200	42.91
1330 10.0	<del>0.25</del> 0.25	5.25	40.0	7.04	427.18	21.61	14.3	200	42.91
1335 15.0	1.0	5.44	38.0	7.05	445.78	21.56	10.7	200	42.91
1340 20.0	1.25	5.16	42.5	7.05	443.94	21.50	7.29	200	42.91
1345 25.0	1.5	5.05	44.6	7.04	443.93	21.42	5.33	200	42.91
1350 30.0	1.75	4.96	43.0	7.03	443.97	21.33	3.17	200	42.91
1355 35.0	2.0	4.96	42.7	7.04	437.37	21.20	1.03	200	42.91
1400	Collect	sample							

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs  
PRESERVED SAMPLES PH = 62.0

SAMPLE DATE: 1400 8-24-22

SAMPLE TIME: 1400

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>HOT - HUMID - SOME RAIN</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

# PLANT MITCHELL FIELD SAMPLING REPORT ASH PONDS 1 AND 2

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-PZ-32-WG-202208 24

MATRIX: Groundwater

WELL MATERIAL: XPVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: GED Dedicated Bladder pump (lowflow)

WELL DIAMETER: 2  
DEPTH TO WATER: 40.64  
TOTAL DEPTH: 64.6 65.30  
WATER COLUMN HEIGHT: 24.66

GRAB (x) COMPOSITE ( )

DUP./REP. OF: \_\_\_\_\_

Pump Intake Set at (btoc): 60.30

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_  
[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1333	0	2.95	41.0	7.35	342.36	21.82	1.07	200 ( )	40.68
1338	0.25	2.76	62.1	7.33	337.70	21.23	0.39	200	40.68
1343	0.5	2.59	86.9	7.33	332.74	21.11	0.35	200	40.68
1348	0.75	2.38	91.0	7.34	331.62	20.95	0.49	200	40.68
1353	1.0	2.26	91.0	7.34	331.33	20.99	0.20	200	40.68
1358	1.25	2.11	92.5	7.33	330.94	20.85	0.22	200	40.68
1403	1.50	2.02	91.8	7.33	329.59	20.95	0.22	200	40.68
1408	1.75	1.97	91.3	7.34	330.19	20.76	0.15	200	40.68

**NOTES:**

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/24/22  
SAMPLE TIME: 1410

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	pH check	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	<u>1 &lt; 2</u>	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C		EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C		SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	<u>1 &lt; 2</u>	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Overcast, Temp 83°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersvill NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-33-WG-202208 24

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: LOW FLOW (DEDICATED BEADDER PUMP)

WELL DIAMETER: 2"

DUP./REP. OF: \_\_\_\_\_

DEPTH TO WATER: 51.49

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 73.60

Pump Intake Set at (btoc): 68.60

WATER COLUMN HEIGHT: 22.11 x 1.7 = 3.75 x 3 = 11.27

or

PURGE VOLUME: 11.27

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [± 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>	
Initial: 1510	0.0	0.1	2.82	-8.8	7.15	458.72	23.97	24.1	200 ( )	52.71
1515	5.0	0.25	1.02	13.9	7.12	463.28	23.39	20.3	200	52.71
1520	10.0	0.50	0.53	22.0	7.11	462.87	23.21	16.9	200	52.71
1525	15.0	0.75	<del>0.31</del>	27.3	7.11	461.38	23.08	12.1	200	52.71
1530	20.0	1.0	0.25	30.6	7.10	463.17	23.34	8.72	200	52.71
1535	25.0	1.25	0.20	32.9	7.10	461.57	23.32	5.39	200	52.71
1540	30.0	1.5	0.19	35.8	7.10	463.96	23.52	3.07	200	52.71
1545	Collected Sample									

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs  
PRESERVED SAMPLES PH = < 2.0

SAMPLE DATE: 8-24-22

SAMPLE TIME: 1545

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>HOT-HUMID-SOME RAIN</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-57-WG-202208 26

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Sample Pro Bladder pump (low flow)

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2  
DEPTH TO WATER: 30.82  
TOTAL DEPTH: 73.39  
WATER COLUMN HEIGHT: 42.57  
PURGE VOLUME: \_\_\_\_\_

GRAB (x) COMPOSITE ( )

Pump Intake Set at (btoc): 68.4

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1043	0	0.78	69.3	7.09	614.03	23.53	14.1	200 ( )	31.14
1048	0.25	0.50	51.0	7.09	583.90	23.61	18.9	200	31.14
1053	0.5	0.42	37.0	7.08	584.94	23.79	15.6	200	31.14
1058	0.75	0.36	30.8	7.09	582.04	23.66	15.7	200	31.14
1103	1.0	0.32	29.6	7.09	582.62	23.70	11.4	200	31.14
1108	1.25	0.29	25.1	7.09	582.05	23.64	9.14	200	31.14
1113	1.5	0.25	40.0	7.09	581.39	23.60	4.99	200	31.14
1118	1.75	0.21	50.3	7.09	583.06	23.60	2.37	200	31.14

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 8/26/22

SAMPLE TIME: 1120

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	EPA 9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Cloudy, Temp 77°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	



PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: \_\_\_ 2022 Semi-Annual Event 1; X 2022 Semi-Annual Event 2 (RESAMPLE); \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-APA12-EB-01-WQ-202210\_11

MATRIX: Groundwater

WELL MATERIAL: \_\_\_ PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: \_\_\_\_\_

DUP/REP. OF: \_\_\_\_\_

WELL DIAMETER: \_\_\_\_\_

DEPTH TO WATER: \_\_\_\_\_

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: \_\_\_\_\_

WATER COLUMN HEIGHT: \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

Pump Intake Set at (btoc): \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm 0.1$ pH units)	SPEC. COND. ( $\mu\text{s/cm}$ ) [ $\pm 5\%$ ]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

**NOTES:** <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq 5$  NTUs SAMPLE COLLECTED FROM SAMPLING TUBING FOR PZ-2D

SAMPLE DATE: 10-11-22  
SAMPLE TIME: 820

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW7470A	Mercury
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS

GENERAL INFORMATION	
WEATHER:	<u>COOL - CLOUDY - HUMID</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

## PLANT MITCHELL FIELD SAMPLING REPORT ASH PONDS 1 AND 2

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.

1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144

PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2 (RESAMPLE);  OTHER

WELL ID / SAMPLE ID: MIT-APA12-FB-01-WQ-202210

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: \_\_\_\_\_

DUP/REP. OF: \_\_\_\_\_

WELL DIAMETER: \_\_\_\_\_

DEPTH TO WATER: \_\_\_\_\_

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: \_\_\_\_\_

WATER COLUMN HEIGHT: \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

Pump Intake Set at (btoc): \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm$ 10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm$ 0.1 pH units)	SPEC. COND. ( $\mu$ s/cm) [ $\pm$ 5%]	TEMP ( $^{\circ}$ C) Record only	TURB. (NTU) [ $\leq$ 5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

**NOTES:**

- <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.
- If well is purged dry, allow to recharge and sample within 24 hrs.
- Turbidity  $\leq$  5 NTUs COLLECTED @ P2-2D

SAMPLE DATE : 10-11-22

SAMPLE TIME : 1000

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW7470A	Mercury
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS

**GENERAL INFORMATION**

WEATHER:	<u>COOL- CLOUDY - HUMID</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501; nicole.d'oleo@pacelabs.com (Huntersville NC lab)</u>
SAMPLER:	<u>EUEL GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2 (RESAMPLE);  OTHER

WELL ID / SAMPLE ID: MIT-PZ-25-WG-202210 11

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: LOW FLOW - DEDICATED BLADDER PUMP

DUP/REP. OF: FD-01

WELL DIAMETER: 2"

DEPTH TO WATER: 34.72

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: \_\_\_\_\_

WATER COLUMN HEIGHT: \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

Pump Intake Set at (btoc): \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm 0.1$ pH units)	SPEC. COND. ( $\mu\text{s/cm}$ ) [ $\pm 5\%$ ]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>	
Initial: 1455	1.0	0.1	2.83	-45.7	7.23	380.40	29.08	7.93	200 ( )	34.72
1459	5.0	0.25	0.55	-118.7	7.12	388.54	25.18	7.22	200	34.76
1504	10.0	0.50	0.29	-126.3	7.13	387.60	25.04	5.72	200	34.76
1509	15.0	0.75	0.25	-129.4	7.13	390.04	24.86	4.37	200	34.76
1514	20.0	1.0	0.24	-129.2	7.13	387.33	24.55	3.39	200	34.76
1519	25.0	1.25	0.23	-145.9	7.13	388.33	24.54	1.88	200	34.76
1524	30.0	1.5	0.23	-133.2	7.14	389.38	24.96	1.22	200	34.76
1529	35.0	1.75	0.22	-134.0	7.14	390.08	25.07	0.87	200	34.76
1534	40.0	2.0	0.22	-133.9	7.13	388.97	24.86	1.03	200	34.76
1540	Collect SAMPLE									

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq 5$  NTUs COLLECTED FD-01 @ THIS LOCATION

SAMPLE DATE: 10-11-22

SAMPLE TIME: 1540

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW7470A	Mercury
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS

GENERAL INFORMATION

WEATHER:	<u>CLEAR-HOT-HUMID</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersvill NC lab)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2 (RESAMPLE);  OTHER

WELL ID / SAMPLE ID: MIT-PZ-2D-WG-202210\_11

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP - Low Flow

DUP/REP. OF: \_\_\_\_\_

WELL DIAMETER: 2"  
DEPTH TO WATER: 39.58  
TOTAL DEPTH: \_\_\_\_\_

GRAB (x) COMPOSITE ( )

Pump Intake Set at (btoc): \_\_\_\_\_

WATER COLUMN HEIGHT: \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 0.0	0.1	9.03	299.50	5.11	1.14	21.92	4.37	200 ( )	39.58
1040 05.0	0.25	9.05	179.9	6.20	214.32	21.55	3.45	200	39.87
1045 10	0.5	2.98	174.9	6.90	144.67	20.29	2.30	200	39.87
1050 15	0.75	2.80	121.1	7.38	142.80	20.11	2.18	200	39.87
1055 20	1.0	3.24	51.6	7.60	191.16	20.02	1.30	200	39.87
1100 25	1.25	3.54	20.0	7.23	139.36	20.19	1.39	200	39.87
1105 30	1.5	3.70	9.1	7.81	138.51	20.29	1.47	200	39.87
1110 35	1.75	3.80	5.0	7.85	136.33	20.28	0.99	200	39.87
1115 40	2.0	3.88	1.6	7.89	135.57	20.15	1.08	200	39.87
1120 45	2.25	3.91	1.2	7.93	135.04	20.38	1.24	200	39.87
1125 50	2.5	3.94	0.8	7.94	134.36	20.33	0.96	200	39.87
1130	Collect Sample								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 10-11-22

SAMPLE TIME: 1130

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS

GENERAL INFORMATION	
WEATHER:	<u>COOL - CLOUDY - HUMID</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT  
ASH PONDS 1 AND 2**

Project Number: 6122-16-0170.2202

Wood E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2022 Semi-Annual Event 1;  2022 Semi-Annual Event 2 (RESAMPLE);  OTHER

WELL ID / SAMPLE ID: MIT-PZ-32-WG-202210\_11

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: LOW FLOW - BUBBLE PUMP (DEDICATED)

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2"

DEPTH TO WATER: 41.63

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: \_\_\_\_\_

Pump Intake Set at (btoc): \_\_\_\_\_

WATER COLUMN HEIGHT: \_\_\_\_\_

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm 0.1$ pH units)	SPEC. COND. ( $\mu\text{s}/\text{cm}$ ) [ $\pm 5\%$ ]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1236	0.0	8.63	83.0	7.70	252.44	23.71	4.33	200 ( )	41.63
1241	5.0	1.50	19.0	7.42	274.70	20.59	3.38	200	41.78
1246	10.0	1.53	36.5	7.39	274.20	20.82	2.96	200	41.78
1251	15.0	1.34	39.2	7.39	271.27	20.86	2.21	200	41.79
1256	20.0	1.33	41.7	7.38	272.69	21.09	1.38	200	41.79
1301	25.0	1.34	43.2	7.39	272.30	21.15	1.10	200	41.79
1306	30.0	1.40	44.4	7.39	<del>272</del> 271.44	21.34	0.98	200	41.79
1311	35.0	1.48	45.8	7.37	271.22	21.18	0.94	200	41.79
1315	Collect Sample								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq 5$  NTUs

SAMPLE DATE: 10-11-22

SAMPLE TIME: 1315

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS

GENERAL INFORMATION

WEATHER:	<u>COOL - CLOUDY - HUMID</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Nicole D'Oleo (O) 704-977-0940 (M) 704-467-4501: nicole.d'oleo@pacelabs.com (Huntersville NC lab)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

# Low-Flow Test Report:

Test Date / Time: 2/14/2023 10:59:17 AM

Project: Plant Mitchell

Operator Name: Ever Guillen

<b>Location Name: PZ-1D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 71.65 ft</b> <b>Total Depth: 81.65 ft</b> <b>Initial Depth to Water: 46.22 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 76.65 ft</b> <b>Estimated Total Volume Pumped: 8000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.11 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	---	--

## Test Notes:

Sample time = 1145

## Weather Conditions:

Cold, cloudy,dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/14/2023 10:59 AM	00:00	7.13 pH	20.46 °C	266.98 µS/cm	4.38 mg/L	32.60 NTU	-30.8 mV	46.22 ft	200.00 ml/min
2/14/2023 11:04 AM	05:00	7.32 pH	19.76 °C	319.29 µS/cm	1.65 mg/L	29.40 NTU	-100.5 mV	46.22 ft	200.00 ml/min
2/14/2023 11:09 AM	10:00	7.36 pH	19.80 °C	318.94 µS/cm	1.39 mg/L	24.30 NTU	-147.0 mV	47.33 ft	200.00 ml/min
2/14/2023 11:14 AM	15:00	7.38 pH	19.86 °C	317.00 µS/cm	1.31 mg/L	17.40 NTU	-143.0 mV	47.33 ft	200.00 ml/min
2/14/2023 11:19 AM	20:00	7.40 pH	20.07 °C	317.95 µS/cm	1.28 mg/L	13.10 NTU	-138.1 mV	47.33 ft	200.00 ml/min
2/14/2023 11:24 AM	25:00	7.41 pH	19.94 °C	316.11 µS/cm	1.37 mg/L	10.20 NTU	-127.4 mV	47.33 ft	200.00 ml/min
2/14/2023 11:29 AM	30:00	7.42 pH	20.07 °C	315.86 µS/cm	1.54 mg/L	6.84 NTU	-117.2 mV	47.33 ft	200.00 ml/min
2/14/2023 11:34 AM	35:00	7.42 pH	20.20 °C	315.94 µS/cm	1.56 mg/L	4.27 NTU	-111.8 mV	47.33 ft	200.00 ml/min
2/14/2023 11:39 AM	40:00	7.43 pH	20.22 °C	316.16 µS/cm	1.58 mg/L	2.69 NTU	-108.4 mV	47.33 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/14/2023 11:47:22 AM

Project: Plant Mitchell CCR GW

Operator Name: Daniel Howard

<b>Location Name: PZ-2D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 70.95 ft</b> <b>Total Depth: 80.95 ft</b> <b>Initial Depth to Water: 28.28 ft</b>	<b>Pump Type: Dedicated Bladder</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 75.95 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 850724</b>
--	---	--

## Test Notes:

Low flow. Sample time 1220.

## Weather Conditions:

Clear, temp 66F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/14/2023 11:47 AM	00:00	7.47 pH	18.96 °C	158.26 µS/cm	2.12 mg/L	2.44 NTU	112.6 mV	28.28 ft	200.00 ml/min
2/14/2023 11:52 AM	05:00	7.81 pH	18.57 °C	157.29 µS/cm	1.69 mg/L	9.55 NTU	118.8 mV	28.38 ft	200.00 ml/min
2/14/2023 11:57 AM	10:00	7.89 pH	18.65 °C	158.59 µS/cm	2.14 mg/L	4.75 NTU	127.6 mV	28.38 ft	200.00 ml/min
2/14/2023 12:02 PM	15:00	7.92 pH	18.64 °C	158.08 µS/cm	2.63 mg/L	2.73 NTU	133.0 mV	28.38 ft	200.00 ml/min
2/14/2023 12:07 PM	20:00	7.94 pH	18.70 °C	159.05 µS/cm	2.43 mg/L	2.71 NTU	129.3 mV	28.38 ft	200.00 ml/min
2/14/2023 12:12 PM	25:00	7.96 pH	18.79 °C	159.30 µS/cm	2.49 mg/L	2.18 NTU	127.7 mV	28.38 ft	200.00 ml/min
2/14/2023 12:17 PM	30:00	7.97 pH	18.79 °C	160.93 µS/cm	2.57 mg/L	2.30 NTU	157.3 mV	28.38 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/15/2023 2:09:46 PM

Project: Plant Mitchell CCR GW (6)

Operator Name: Daniel Howard

<b>Location Name: PZ-7D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 50.37 ft</b> <b>Total Depth: 60.37 ft</b> <b>Initial Depth to Water: 26.05 ft</b>	<b>Pump Type: Dedicated Bladder</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 55.37 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 850724</b>
--	---	--

## Test Notes:

Low flow. Sample time 1442.

## Weather Conditions:

Partly cloudy. Temp 77F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/15/2023 2:09 PM	00:00	7.09 pH	23.44 °C	535.78 µS/cm	2.71 mg/L	7.83 NTU	-77.5 mV	26.05 ft	200.00 ml/min
2/15/2023 2:14 PM	05:00	6.96 pH	21.02 °C	555.48 µS/cm	1.57 mg/L	16.30 NTU	37.3 mV	26.15 ft	200.00 ml/min
2/15/2023 2:19 PM	10:00	6.95 pH	21.32 °C	555.58 µS/cm	1.42 mg/L	3.64 NTU	71.1 mV	26.15 ft	200.00 ml/min
2/15/2023 2:24 PM	15:00	6.94 pH	20.99 °C	555.99 µS/cm	1.39 mg/L	3.84 NTU	81.2 mV	26.15 ft	200.00 ml/min
2/15/2023 2:29 PM	20:00	6.93 pH	21.31 °C	557.67 µS/cm	1.38 mg/L	2.62 NTU	65.4 mV	26.15 ft	200.00 ml/min
2/15/2023 2:34 PM	25:00	6.93 pH	21.24 °C	557.02 µS/cm	1.38 mg/L	1.96 NTU	66.7 mV	26.15 ft	200.00 ml/min
2/15/2023 2:39 PM	30:00	6.92 pH	21.19 °C	558.89 µS/cm	1.37 mg/L	1.28 NTU	83.8 mV	26.15 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

Test Date / Time: 2/14/2023 3:07:28 PM

Project: Plant Mitchell (3)

Operator Name: Ever Guillen

<b>Location Name: PZ-14</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.2 ft</b> <b>Total Depth: 53.2 ft</b> <b>Initial Depth to Water: 38.13 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 48.2 ft</b> <b>Estimated Total Volume Pumped: 4456.667 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	---	--

## Test Notes:

Sample time =1540

## Weather Conditions:

Cold,clear, dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/14/2023 3:07 PM	00:00	7.06 pH	21.59 °C	539.92 µS/cm	6.19 mg/L	16.70 NTU	87.4 mV	38.13 ft	200.00 ml/min
2/14/2023 3:10 PM	03:27	7.05 pH	21.49 °C	563.02 µS/cm	5.64 mg/L	13.50 NTU	85.5 mV	38.13 ft	200.00 ml/min
2/14/2023 3:13 PM	05:37	7.04 pH	21.39 °C	568.30 µS/cm	5.69 mg/L	9.76 NTU	72.6 mV	38.13 ft	200.00 ml/min
2/14/2023 3:17 PM	10:11	7.04 pH	21.36 °C	566.19 µS/cm	5.77 mg/L	6.04 NTU	72.8 mV	38.13 ft	200.00 ml/min
2/14/2023 3:19 PM	12:16	7.04 pH	21.36 °C	568.73 µS/cm	5.75 mg/L	3.00 NTU	68.4 mV	38.13 ft	200.00 ml/min
2/14/2023 3:24 PM	17:17	7.04 pH	21.30 °C	567.78 µS/cm	5.73 mg/L	2.53 NTU	61.7 mV	38.13 ft	200.00 ml/min
2/14/2023 3:29 PM	22:17	7.04 pH	21.30 °C	559.40 µS/cm	5.74 mg/L	1.62 NTU	72.1 mV	38.13 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/15/2023 1:27:50 PM

Project: Plant Mitchell (5)

Operator Name: Ever Guillen

<b>Location Name: PZ-15</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 73.22 ft</b> <b>Total Depth: 83.22 ft</b> <b>Initial Depth to Water: 24.28 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 78.22 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.19 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	---	--

## Test Notes:

Sample time =1400

## Weather Conditions:

Cold, cloudy. Dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/15/2023 1:27 PM	00:00	7.17 pH	22.70 °C	479.27 µS/cm	4.81 mg/L	16.70 NTU	-81.0 mV	24.47 ft	200.00 ml/min
2/15/2023 1:32 PM	05:00	7.09 pH	22.97 °C	495.23 µS/cm	0.34 mg/L	12.80 NTU	-110.7 mV	24.47 ft	200.00 ml/min
2/15/2023 1:37 PM	10:00	7.09 pH	23.08 °C	496.04 µS/cm	0.18 mg/L	7.22 NTU	-163.3 mV	24.47 ft	200.00 ml/min
2/15/2023 1:42 PM	15:00	7.08 pH	22.61 °C	495.58 µS/cm	0.14 mg/L	6.26 NTU	-105.0 mV	24.47 ft	200.00 ml/min
2/15/2023 1:47 PM	20:00	7.09 pH	22.59 °C	495.35 µS/cm	0.14 mg/L	4.37 NTU	-149.3 mV	24.47 ft	200.00 ml/min
2/15/2023 1:52 PM	25:00	7.09 pH	22.43 °C	495.13 µS/cm	0.15 mg/L	3.25 NTU	-141.8 mV	24.47 ft	200.00 ml/min
2/15/2023 1:57 PM	30:00	7.09 pH	22.87 °C	496.56 µS/cm	0.16 mg/L	2.25 NTU	-135.8 mV	24.47 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:58:05 AM

Project: Plant Mitchell (4)

Operator Name: Ever Guillen

<b>Location Name: PZ-16</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.18 ft</b> <b>Total Depth: 53.19 ft</b> <b>Initial Depth to Water: 27.82 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 48.1 ft</b> <b>Estimated Total Volume Pumped: 8000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	---	--

## Test Notes:

Sample time =1040

## Weather Conditions:

Cold, clear, dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/15/2023 9:58 AM	00:00	7.38 pH	17.70 °C	359.55 µS/cm	9.45 mg/L	16.40 NTU	194.8 mV	27.82 ft	200.00 ml/min
2/15/2023 10:03 AM	05:00	7.13 pH	19.60 °C	450.53 µS/cm	3.58 mg/L	11.30 NTU	149.0 mV	27.82 ft	200.00 ml/min
2/15/2023 10:08 AM	10:00	7.10 pH	19.89 °C	452.02 µS/cm	1.83 mg/L	8.22 NTU	117.9 mV	27.82 ft	200.00 ml/min
2/15/2023 10:13 AM	15:00	7.09 pH	20.26 °C	452.37 µS/cm	1.54 mg/L	4.97 NTU	102.3 mV	27.82 ft	200.00 ml/min
2/15/2023 10:18 AM	20:00	7.10 pH	20.43 °C	451.37 µS/cm	1.48 mg/L	3.35 NTU	71.6 mV	27.82 ft	200.00 ml/min
2/15/2023 10:23 AM	25:00	7.10 pH	20.73 °C	450.19 µS/cm	1.44 mg/L	2.13 NTU	83.6 mV	27.82 ft	200.00 ml/min
2/15/2023 10:28 AM	30:00	7.11 pH	20.72 °C	450.18 µS/cm	1.42 mg/L	1.96 NTU	64.1 mV	27.82 ft	200.00 ml/min
2/15/2023 10:33 AM	35:00	7.11 pH	20.78 °C	451.02 µS/cm	1.42 mg/L	1.21 NTU	77.6 mV	27.82 ft	200.00 ml/min
2/15/2023 10:38 AM	40:00	7.10 pH	20.91 °C	459.08 µS/cm	1.37 mg/L	0.81 NTU	61.8 mV	27.82 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/16/2023 10:00:42 AM

Project: Plant Mitchell (7)

Operator Name: Ever Guillen

<b>Location Name: PZ-17</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.7 ft</b> <b>Total Depth: 62.7 ft</b> <b>Initial Depth to Water: 26.67 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 57.7 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.26 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	--	--

## Test Notes:

Sample time =1040

## Weather Conditions:

Cold, cloudy, dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/16/2023 10:00 AM	00:00	6.66 pH	20.25 °C	350.25 µS/cm	8.86 mg/L	19.30 NTU	192.3 mV	26.67 ft	200.00 ml/min
2/16/2023 10:05 AM	05:00	7.16 pH	20.82 °C	426.00 µS/cm	0.50 mg/L	12.10 NTU	-2.5 mV	26.93 ft	200.00 ml/min
2/16/2023 10:10 AM	10:00	7.15 pH	20.89 °C	426.26 µS/cm	0.12 mg/L	8.83 NTU	-11.4 mV	26.93 ft	200.00 ml/min
2/16/2023 10:15 AM	15:00	7.16 pH	20.94 °C	430.88 µS/cm	0.12 mg/L	6.32 NTU	-1.8 mV	26.93 ft	200.00 ml/min
2/16/2023 10:20 AM	20:00	7.16 pH	20.88 °C	433.73 µS/cm	0.13 mg/L	4.72 NTU	-17.2 mV	26.93 ft	200.00 ml/min
2/16/2023 10:25 AM	25:00	7.16 pH	20.96 °C	439.61 µS/cm	0.13 mg/L	3.59 NTU	-5.6 mV	26.93 ft	200.00 ml/min
2/16/2023 10:30 AM	30:00	7.15 pH	21.02 °C	448.14 µS/cm	0.14 mg/L	1.36 NTU	-24.0 mV	26.93 ft	200.00 ml/min
2/16/2023 10:35 AM	35:00	7.14 pH	21.14 °C	456.87 µS/cm	0.14 mg/L	0.96 NTU	-27.9 mV	26.93 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/15/2023 3:00:30 PM

Project: Plant Mitchell (6)

Operator Name: Ever Guillen

<b>Location Name: PZ-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 53.18 ft</b> <b>Total Depth: 63.18 ft</b> <b>Initial Depth to Water: 23.51 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 58.18 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	--	--

## Test Notes:

Sample time =1535

## Weather Conditions:

Cold, cloudy, dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/15/2023 3:00 PM	00:00	7.22 pH	23.66 °C	644.47 µS/cm	7.03 mg/L	12.90 NTU	-36.5 mV	23.51 ft	200.00 ml/min
2/15/2023 3:05 PM	05:00	6.75 pH	22.33 °C	730.58 µS/cm	1.10 mg/L	8.95 NTU	10.7 mV	23.51 ft	200.00 ml/min
2/15/2023 3:10 PM	10:00	6.74 pH	22.28 °C	729.67 µS/cm	0.80 mg/L	6.54 NTU	16.5 mV	23.51 ft	200.00 ml/min
2/15/2023 3:15 PM	15:00	6.73 pH	22.43 °C	729.11 µS/cm	0.66 mg/L	3.45 NTU	20.5 mV	23.51 ft	200.00 ml/min
2/15/2023 3:20 PM	20:00	6.74 pH	22.55 °C	727.72 µS/cm	0.90 mg/L	1.70 NTU	19.3 mV	23.51 ft	200.00 ml/min
2/15/2023 3:25 PM	25:00	6.74 pH	22.47 °C	734.61 µS/cm	0.72 mg/L	0.92 NTU	17.8 mV	23.51 ft	200.00 ml/min
2/15/2023 3:30 PM	30:00	6.73 pH	22.26 °C	730.76 µS/cm	0.81 mg/L	1.04 NTU	20.0 mV	23.51 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:13:03 PM

Project: Plant Mitchell CCR GW (5)

Operator Name: Daniel Howard

<b>Location Name: PZ-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.63 ft</b> <b>Total Depth: 62.63 ft</b> <b>Initial Depth to Water: 25.15 ft</b>	<b>Pump Type: Dedicated Bladder</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 57.63 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.03 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 850724</b>
--	--	--

## Test Notes:

Low flow. Sample time 1245. Also collected duplicate sample MIT-APA12-FD-01.

## Weather Conditions:

Clear, temp 72F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/15/2023 12:13 PM	00:00	6.74 pH	23.63 °C	779.09 µS/cm	1.65 mg/L	0.78 NTU	-42.2 mV	25.15 ft	200.00 ml/min
2/15/2023 12:18 PM	05:00	6.69 pH	22.44 °C	789.23 µS/cm	0.47 mg/L	1.20 NTU	35.6 mV	25.18 ft	200.00 ml/min
2/15/2023 12:23 PM	10:00	6.68 pH	21.99 °C	795.29 µS/cm	0.35 mg/L	0.35 NTU	57.4 mV	25.18 ft	200.00 ml/min
2/15/2023 12:28 PM	15:00	6.67 pH	22.15 °C	796.91 µS/cm	0.29 mg/L	0.47 NTU	63.8 mV	25.18 ft	200.00 ml/min
2/15/2023 12:33 PM	20:00	6.67 pH	21.92 °C	800.44 µS/cm	0.25 mg/L	0.18 NTU	66.9 mV	25.18 ft	200.00 ml/min
2/15/2023 12:38 PM	25:00	6.66 pH	21.85 °C	802.83 µS/cm	0.24 mg/L	0.26 NTU	58.0 mV	25.18 ft	200.00 ml/min
2/15/2023 12:43 PM	30:00	6.66 pH	22.01 °C	802.93 µS/cm	0.21 mg/L	0.27 NTU	67.2 mV	25.18 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/14/2023 3:37:57 PM

Project: Plant Mitchell CCR GW (3)

Operator Name: Daniel Howard

<b>Location Name: PZ-23A</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 57.21 ft</b> <b>Total Depth: 67.21 ft</b> <b>Initial Depth to Water: 46.77 ft</b>	<b>Pump Type: Dedicated Bladder</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 62.21 ft</b> <b>Estimated Total Volume Pumped: 17000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.45 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 850724</b>
---	---	--

## Test Notes:

Low flow. Sample time 1704.

## Weather Conditions:

Clear, temp 73F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/14/2023 3:37 PM	00:00	6.77 pH	23.14 °C	700.27 µS/cm	2.35 mg/L	29.10 NTU	160.6 mV	46.77 ft	200.00 ml/min
2/14/2023 3:42 PM	05:00	6.77 pH	22.21 °C	694.86 µS/cm	1.97 mg/L	27.40 NTU	161.3 mV	47.21 ft	200.00 ml/min
2/14/2023 3:47 PM	10:00	6.77 pH	22.13 °C	698.86 µS/cm	2.70 mg/L	22.30 NTU	204.8 mV	47.22 ft	200.00 ml/min
2/14/2023 3:52 PM	15:00	6.76 pH	21.82 °C	696.97 µS/cm	2.16 mg/L	16.50 NTU	198.8 mV	47.22 ft	200.00 ml/min
2/14/2023 3:57 PM	20:00	6.76 pH	21.73 °C	692.77 µS/cm	2.15 mg/L	11.50 NTU	197.1 mV	47.22 ft	200.00 ml/min
2/14/2023 4:02 PM	25:00	6.76 pH	21.68 °C	688.43 µS/cm	2.06 mg/L	10.70 NTU	195.8 mV	47.22 ft	200.00 ml/min
2/14/2023 4:07 PM	30:00	6.75 pH	21.59 °C	682.93 µS/cm	2.01 mg/L	8.53 NTU	195.0 mV	47.22 ft	200.00 ml/min
2/14/2023 4:12 PM	35:00	6.75 pH	21.57 °C	683.98 µS/cm	1.98 mg/L	7.48 NTU	194.0 mV	47.22 ft	200.00 ml/min
2/14/2023 4:17 PM	40:00	6.75 pH	21.58 °C	701.05 µS/cm	2.18 mg/L	6.95 NTU	198.2 mV	47.22 ft	200.00 ml/min
2/14/2023 4:22 PM	45:00	6.75 pH	21.50 °C	699.01 µS/cm	2.07 mg/L	6.20 NTU	194.6 mV	47.22 ft	200.00 ml/min
2/14/2023 4:27 PM	50:00	6.75 pH	21.50 °C	695.22 µS/cm	2.04 mg/L	5.91 NTU	153.5 mV	47.22 ft	200.00 ml/min
2/14/2023 4:32 PM	55:00	6.75 pH	21.46 °C	691.21 µS/cm	2.05 mg/L	5.98 NTU	153.2 mV	47.22 ft	200.00 ml/min
2/14/2023 4:37 PM	01:00:00	6.74 pH	21.46 °C	687.68 µS/cm	2.04 mg/L	5.40 NTU	192.7 mV	47.22 ft	200.00 ml/min

2/14/2023 4:42 PM	01:05:00	6.75 pH	21.37 °C	683.50 µS/cm	2.02 mg/L	5.56 NTU	153.2 mV	47.22 ft	200.00 ml/min
2/14/2023 4:47 PM	01:10:00	6.75 pH	21.37 °C	682.68 µS/cm	2.02 mg/L	5.24 NTU	153.9 mV	47.22 ft	200.00 ml/min
2/14/2023 4:52 PM	01:15:00	6.75 pH	21.37 °C	683.36 µS/cm	2.03 mg/L	5.03 NTU	153.7 mV	47.22 ft	200.00 ml/min
2/14/2023 4:57 PM	01:20:00	6.74 pH	21.30 °C	676.91 µS/cm	2.04 mg/L	4.88 NTU	192.1 mV	47.22 ft	200.00 ml/min
2/14/2023 5:02 PM	01:25:00	6.75 pH	21.26 °C	673.98 µS/cm	2.03 mg/L	4.86 NTU	152.5 mV	47.22 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------



# Low-Flow Test Report:

Test Date / Time: 2/15/2023 10:07:58 AM

Project: Plant Mitchell CCR GW (4)

Operator Name: Daniel Howard

<b>Location Name: PZ-25</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 53.19 ft</b> <b>Total Depth: 63.19 ft</b> <b>Initial Depth to Water: 23.36 ft</b>	<b>Pump Type: Dedicated Bladder</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 58.19 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 850724</b>
--	---	--

## Test Notes:

Low flow. Sample time 1040. Also collected duplicate sample MIT-APA12-FD-02.

## Weather Conditions:

Clear, temp 58F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/15/2023 10:07 AM	00:00	7.33 pH	27.76 °C	413.35 µS/cm	4.24 mg/L	1.27 NTU	1.2 mV	23.36 ft	200.00 ml/min
2/15/2023 10:12 AM	05:00	7.03 pH	22.03 °C	454.94 µS/cm	0.66 mg/L	11.70 NTU	-53.8 mV	23.46 ft	200.00 ml/min
2/15/2023 10:17 AM	10:00	7.02 pH	21.87 °C	455.41 µS/cm	0.37 mg/L	8.87 NTU	-84.0 mV	23.46 ft	200.00 ml/min
2/15/2023 10:22 AM	15:00	7.02 pH	21.89 °C	454.44 µS/cm	0.28 mg/L	4.27 NTU	-93.0 mV	23.46 ft	200.00 ml/min
2/15/2023 10:27 AM	20:00	7.02 pH	22.09 °C	453.84 µS/cm	0.31 mg/L	2.08 NTU	-95.5 mV	23.46 ft	200.00 ml/min
2/15/2023 10:32 AM	25:00	7.02 pH	21.91 °C	454.34 µS/cm	0.32 mg/L	1.16 NTU	-97.3 mV	23.46 ft	200.00 ml/min
2/15/2023 10:37 AM	30:00	7.02 pH	22.09 °C	453.86 µS/cm	0.32 mg/L	1.19 NTU	-78.4 mV	23.46 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:23:48 PM

Project: Plant Mitchell (2)

Operator Name: Ever Guillen

<b>Location Name: PZ-31</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 51.6 ft</b> <b>Total Depth: 61.6 ft</b> <b>Initial Depth to Water: 34.62 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 56 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	---	--

## Test Notes:

Sample time =1405

## Weather Conditions:

Cold,clear,dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/14/2023 1:23 PM	00:00	7.72 pH	20.31 °C	313.30 µS/cm	8.98 mg/L	19.80 NTU	49.4 mV	34.62 ft	200.00 ml/min
2/14/2023 1:28 PM	05:00	7.11 pH	19.84 °C	506.89 µS/cm	5.22 mg/L	13.40 NTU	61.1 mV	34.62 ft	200.00 ml/min
2/14/2023 1:33 PM	10:00	7.09 pH	19.74 °C	506.36 µS/cm	4.92 mg/L	9.72 NTU	62.6 mV	34.62 ft	200.00 ml/min
2/14/2023 1:38 PM	15:00	7.09 pH	19.84 °C	506.56 µS/cm	4.83 mg/L	6.38 NTU	85.0 mV	34.62 ft	200.00 ml/min
2/14/2023 1:43 PM	20:00	7.09 pH	19.72 °C	505.72 µS/cm	4.85 mg/L	4.59 NTU	64.7 mV	34.62 ft	200.00 ml/min
2/14/2023 1:48 PM	25:00	7.09 pH	19.67 °C	506.23 µS/cm	4.86 mg/L	2.36 NTU	86.7 mV	34.62 ft	200.00 ml/min
2/14/2023 1:53 PM	30:00	7.08 pH	19.79 °C	506.06 µS/cm	4.86 mg/L	1.77 NTU	88.7 mV	34.62 ft	200.00 ml/min
2/14/2023 1:58 PM	35:00	7.09 pH	19.76 °C	508.04 µS/cm	4.85 mg/L	1.27 NTU	66.0 mV	34.62 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:54:09 PM

Project: Plant Mitchell CCR GW (2)

Operator Name: Daniel Howard

<b>Location Name: PZ-32</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 55.3 ft</b> <b>Total Depth: 65.3 ft</b> <b>Initial Depth to Water: 30.04 ft</b>	<b>Pump Type: Dedicated Bladder</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 60.3 ft</b> <b>Estimated Total Volume Pumped: 5000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 850724</b>
--	--	--

## Test Notes:

Low flow. Sample time 1422.

## Weather Conditions:

Clear, temp 72F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/14/2023 1:54 PM	00:00	7.47 pH	23.52 °C	309.00 µS/cm	2.94 mg/L	1.60 NTU	136.4 mV	30.04 ft	200.00 ml/min
2/14/2023 1:59 PM	05:00	7.39 pH	19.67 °C	320.32 µS/cm	1.38 mg/L	1.55 NTU	133.3 mV	30.04 ft	200.00 ml/min
2/14/2023 2:04 PM	10:00	7.38 pH	19.36 °C	324.06 µS/cm	1.07 mg/L	1.09 NTU	158.8 mV	30.04 ft	200.00 ml/min
2/14/2023 2:09 PM	15:00	7.37 pH	19.38 °C	323.60 µS/cm	0.99 mg/L	0.42 NTU	157.6 mV	30.04 ft	200.00 ml/min
2/14/2023 2:14 PM	20:00	7.37 pH	19.36 °C	323.43 µS/cm	0.96 mg/L	0.66 NTU	156.5 mV	30.04 ft	200.00 ml/min
2/14/2023 2:19 PM	25:00	7.36 pH	19.36 °C	323.28 µS/cm	0.94 mg/L	0.22 NTU	155.8 mV	30.04 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

Test Date / Time: 2/16/2023 1:04:06 PM

Project: Plant Mitchell (8)

Operator Name: Ever Guillen

<b>Location Name: PZ-33</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 63.6 ft</b> <b>Total Depth: 73.6 ft</b> <b>Initial Depth to Water: 43.51 ft</b>	<b>Pump Type: Dedicated bladder pump</b> <b>Tubing Type: HDPE</b> <b>Pump Intake From TOC: 68.6 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.35 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 966090</b>
--	--	--

## Test Notes:

Sample time = 1345

## Weather Conditions:

Cold, cloudy, dry

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/16/2023 1:04 PM	00:00	7.60 pH	25.24 °C	341.57 µS/cm	7.98 mg/L	17.90 NTU	76.7 mV	43.51 ft	200.00 ml/min
2/16/2023 1:09 PM	05:00	7.13 pH	21.95 °C	453.26 µS/cm	0.57 mg/L	13.10 NTU	11.6 mV	43.86 ft	200.00 ml/min
2/16/2023 1:14 PM	10:00	7.13 pH	22.30 °C	454.96 µS/cm	0.18 mg/L	9.18 NTU	31.7 mV	43.86 ft	200.00 ml/min
2/16/2023 1:19 PM	15:00	7.13 pH	22.37 °C	457.38 µS/cm	0.15 mg/L	7.19 NTU	32.3 mV	43.86 ft	200.00 ml/min
2/16/2023 1:24 PM	20:00	7.12 pH	22.87 °C	455.06 µS/cm	0.14 mg/L	4.27 NTU	39.5 mV	43.86 ft	200.00 ml/min
2/16/2023 1:29 PM	25:00	7.12 pH	22.28 °C	453.66 µS/cm	0.14 mg/L	2.38 NTU	34.5 mV	43.86 ft	200.00 ml/min
2/16/2023 1:34 PM	30:00	7.13 pH	22.61 °C	453.06 µS/cm	0.15 mg/L	1.17 NTU	40.9 mV	43.86 ft	200.00 ml/min
2/16/2023 1:39 PM	35:00	7.13 pH	21.99 °C	454.41 µS/cm	0.15 mg/L	1.28 NTU	42.4 mV	43.86 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

# Low-Flow Test Report:

**Test Date / Time:** 2/16/2023 10:35:45 AM

**Project:** Plant Mitchell CCR GW (7)

**Operator Name:** Daniel Howard

<b>Location Name:</b> PZ-57 <b>Well Diameter:</b> 2 in <b>Casing Type:</b> PVC <b>Screen Length:</b> 10 ft <b>Top of Screen:</b> 63.39 ft <b>Total Depth:</b> 73.39 ft <b>Initial Depth to Water:</b> 23.22 ft	<b>Pump Type:</b> QED Sample Pro Bladder <b>Tubing Type:</b> HDPE <b>Pump Intake From TOC:</b> 68.39 ft <b>Estimated Total Volume Pumped:</b> 6000 ml <b>Flow Cell Volume:</b> 90 ml <b>Final Flow Rate:</b> 200 ml/min <b>Final Draw Down:</b> 0.37 ft	<b>Instrument Used:</b> Aqua TROLL 400 <b>Serial Number:</b> 850724
--	---	--

## Test Notes:

Low flow. Sample time 1108.

## Weather Conditions:

Partly sunny, temp 63F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/16/2023 10:35 AM	00:00	7.13 pH	21.64 °C	539.44 µS/cm	1.61 mg/L	39.40 NTU	126.4 mV	23.22 ft	200.00 ml/min
2/16/2023 10:40 AM	05:00	7.06 pH	21.58 °C	553.53 µS/cm	1.29 mg/L	35.80 NTU	77.1 mV	23.59 ft	200.00 ml/min
2/16/2023 10:45 AM	10:00	7.07 pH	21.74 °C	551.88 µS/cm	1.51 mg/L	31.20 NTU	70.1 mV	23.59 ft	200.00 ml/min
2/16/2023 10:50 AM	15:00	7.06 pH	21.74 °C	551.16 µS/cm	0.77 mg/L	20.40 NTU	59.4 mV	23.59 ft	200.00 ml/min
2/16/2023 10:55 AM	20:00	7.06 pH	21.82 °C	549.78 µS/cm	0.49 mg/L	7.39 NTU	58.4 mV	23.59 ft	200.00 ml/min
2/16/2023 11:00 AM	25:00	7.06 pH	21.84 °C	550.36 µS/cm	0.37 mg/L	2.66 NTU	53.1 mV	23.59 ft	200.00 ml/min
2/16/2023 11:05 AM	30:00	7.06 pH	21.73 °C	551.68 µS/cm	0.30 mg/L	2.36 NTU	45.0 mV	23.59 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

PROJECT NAME: Plant Mitchell, GA - CCR GW

### PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

### ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-APA12-EB-01-WG-202302

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Gravity Feed

DUP./REP. OF:     

WELL DIAMETER:     

DEPTH TO WATER:     

GRAB (x) COMPOSITE ( )

TOTAL DEPTH:     

Pump Intake Set at (btoc):     

WATER COLUMN HEIGHT:     

or

PURGE VOLUME:     

Tubing Inlet Set at (btoc):     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs. Discharge tubing Lot:# 17484-05  
Turbidity ≤ 5 NTUs Delonized ASTM Type I water (Chem World 7732-18-5)

SAMPLE DATE: 2/15/23  
SAMPLE TIME: 0840

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Sunny, Temp 51°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

# PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

## ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-APA12-EB-02-~~WG-202302~~

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Pour over pump

DUP./REP. OF:     

WELL DIAMETER:     

DEPTH TO WATER:     

GRAB (x) COMPOSITE ( )

TOTAL DEPTH:     

Pump Intake Set at (btoc):     

WATER COLUMN HEIGHT:     

or

PURGE VOLUME:     

Tubing Inlet Set at (btoc):     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. ( $\mu\text{s}/\text{cm}$ ) [ +/- 5%]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq 5$  NTUs QED Sample Pro Bladder pump used to sample well PZ-57  
Used Deionized ASTM Type I water Chem World 7732-18-5)

SAMPLE DATE: 02/16/23  
SAMPLE TIME: 08:50

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Sunny, Temp 60°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>Deniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;      2023 Semi-Annual Event 2;      OTHER

WELL ID / SAMPLE ID: MIT-APA12-FB-01-WQ-202302

MATRIX: Groundwater

WELL MATERIAL:      PVC      SS      OTHER

SAMPLE METHOD: Direct Pour

DUP./REP. OF:     

WELL DIAMETER:     

DEPTH TO WATER:     

GRAB (x) COMPOSITE ( )

TOTAL DEPTH:     

WATER COLUMN HEIGHT:     

Pump Intake Set at (btoc):     

or

PURGE VOLUME:     

Tubing Inlet Set at (btoc):     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. ( $\mu\text{S/cm}$ ) [+/5%]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:							( )		

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq 5$  NTUs  
Detonized, Type I ASTM water (7732-18-5) ChemWork  
Collected at well MIT-PZ-2D

SAMPLE DATE : 2/14/23  
SAMPLE TIME : 1045

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Clear, Temp 50°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	



PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
 1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
 PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1; \_\_\_ 2023 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-APA12-FB-02-WG-202302

MATRIX: Groundwater

WELL MATERIAL: PVC SS OTHER

SAMPLE METHOD: Direct Pour

DUP./REP. OF:       

WELL DIAMETER:       

DEPTH TO WATER:       

GRAB (x) COMPOSITE ( )

TOTAL DEPTH:       

Pump Intake Set at (btoc):       

WATER COLUMN HEIGHT:       

or

PURGE VOLUME:       

Tubing Inlet Set at (btoc):       

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial:								( )	

**NOTES:**

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity ≤ 5 NTUs Deionized ASTM Type I water (Chem World 7732-18-5)  
Collected at well MIT-PZ-57

SAMPLE DATE: 2/16/23  
 SAMPLE TIME: 0945

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Sunny, Temp 62°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-2D-WG-202302

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Dedicated bladder pump low flow

WELL DIAMETER: 2

DEPTH TO WATER: 128.28

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 80.95

WATER COLUMN HEIGHT: 52.67

PURGE VOLUME: 6L

Pump Intake Set at (btoc): 75.95

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1147	0	2.12	112.6	7.47	158.26	18.96	2.44	200 ( )	28.28
1152	0.25	1.69	118.8	7.81	157.29	18.57	9.55	200	28.38
1157	0.5	2.14	127.6	7.89	158.59	18.65	4.75	200	28.38
1202	0.75	2.63	133.0	7.92	158.08	18.64	2.73	200	28.38
1207	1.0	2.43	129.3	7.94	159.05	18.70	2.71	200	28.38
<del>1212</del>	1.25	2.49	127.7	7.96	159.30	18.79	2.18	200	28.38
1217	1.50	2.57	157.3	7.97	160.93	18.79	2.30	200	28.38

**NOTES:**

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity ≤ 5 NTUs

SAMPLE DATE: 2/14/22

SAMPLE TIME: 1220

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Clear, Temp 66°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;     2023 Semi-Annual Event 2;     OTHER

WELL ID / SAMPLE ID: MIT-PZ-1D-1145

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: DEDICATED BUDDER PUMP

DUP./REP. OF:                   

WELL DIAMETER: 2

DEPTH TO WATER: 46.22

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 81.65

Pump Intake Set at (btoc): 76.65

WATER COLUMN HEIGHT: 35.43 x 1.17 = 6.02 x 3 = 18.06

or

PURGE VOLUME: 18.06

Tubing Inlet Set at (btoc):                   

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: <u>1058 0.0</u>	<u>0.1</u>	<u>4.38</u>	<u>-30.8</u>	<u>7.13</u>	<u>266.98</u>	<u>20.46</u>	<u>32.6</u>	<u>200 ( )</u>	<u>46.22</u>
<u>1103 5</u>	<u>0.25</u>	<u>1.65</u>	<u>-100.5</u>	<u>7.32</u>	<u>319.29</u>	<u>19.76</u>	<u>29.4</u>	<u>200</u>	<u>46.22</u>
<u>1108 10</u>	<u>0.5</u>	<u>1.39</u>	<u>-147.0</u>	<u>7.36</u>	<u>318.94</u>	<u>19.80</u>	<u>24.3</u>	<u>200</u>	<u>47.33</u>
<u>1113 15</u>	<u>0.75</u>	<u>1.31</u>	<u>-143.0</u>	<u>7.38</u>	<u>317.00</u>	<u>19.86</u>	<u>17.4</u>	<u>200</u>	<u>47.33</u>
<u>1118 20</u>	<u>1.0</u>	<u>1.20</u>	<u>-138.1</u>	<u>7.40</u>	<u>317.95</u>	<u>20.07</u>	<u>14.3</u>	<u>200</u>	<u>47.33</u>
<u>1123 25</u>	<u>1.25</u>	<u>1.37</u>	<u>-127.4</u>	<u>7.41</u>	<u>316.11</u>	<u>19.94</u>	<u>10.2</u>	<u>200</u>	<u>47.33</u>
<u>1128 30</u>	<u>1.5</u>	<u>1.54</u>	<u>-117.2</u>	<u>7.42</u>	<u>315.86</u>	<u>20.07</u>	<u>6.84</u>	<u>200</u>	<u>47.33</u>
<u>1133 35</u>	<u>1.75</u>	<u>1.56</u>	<u>-111.8</u>	<u>7.42</u>	<u>315.94</u>	<u>20.20</u>	<u>4.27</u>	<u>200</u>	<u>47.33</u>
<u>1138 40</u>	<u>2.0</u>	<u>1.58</u>	<u>-108.4</u>	<u>7.43</u>	<u>316.16</u>	<u>20.22</u>	<u>2.69</u>	<u>200</u>	<u>47.33</u>
<u>1145</u>	<u>Collect Sample</u>								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE : 2-14-23

SAMPLE TIME : 1145

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Cold - Cloudy - Dry</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang; Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	<u>                  </u>

ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;      2023 Semi-Annual Event 2;      OTHER

WELL ID / SAMPLE ID: MIT-PZ-7D-WG-202302-

MATRIX: Groundwater

WELL MATERIAL: X PVC      SS      OTHER

SAMPLE METHOD: Dedicated Bladder pump low flow

DUP./REP. OF:                     

WELL DIAMETER: 2  
DEPTH TO WATER: 26.05  
TOTAL DEPTH: 60.37  
WATER COLUMN HEIGHT: 34.32  
PURGE VOLUME: 6L

GRAB (x) COMPOSITE ( )

Pump Intake Set at (btoc): 55.37

or

Tubing Inlet Set at (btoc):                     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. ( $\mu\text{S}/\text{cm}$ ) [+/-%]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1409	0	2.71	-77.5	7.09	535.78	23.44	7.83	200 ( )	26.05
1414	0.25	1.57	37.3	6.96	555.48	21.02	16.30	200	26.15
1419	0.5	1.42	71.1	6.95	555.58	21.32	3.64	200	26.15
1424	0.75	1.39	81.2	6.94	555.99	20.99	3.84	200	26.15
1429	1.0	1.38	65.4	6.93	557.67	21.31	2.62	200	26.15
1434	1.25	1.38	66.7	6.93	557.02	21.24	1.96	200	26.15
1439	1.5	1.37	83.8	6.92	558.89	21.19	1.28	200	26.15

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 01/2/23  
SAMPLE TIME: 1442

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Cloudy, Temp 77°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;      2023 Semi-Annual Event 2;      OTHER

WELL ID / SAMPLE ID: MIT-PZ-14-W

MATRIX: Groundwater

WELL MATERIAL: ✓PVC     SS     OTHER

SAMPLE METHOD: DEDICATED BLADDER

DUP./REP. OF:                     

WELL DIAMETER: 2"  
DEPTH TO WATER: 38.13 GRAB (x) COMPOSITE ( )  
TOTAL DEPTH: 53.20'  
WATER COLUMN HEIGHT: 15.07 x .17 = 2.56 x 3 = 7.68  
PURGE VOLUME: 7.68

Pump Intake Set at (btoc): 48.20'

or  
Tubing Inlet Set at (btoc):                     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1505 0.0	0.1	6.19	87.4	7.06	539.92	21.59	16.7	200 ( )	38.13
1510 5	0.25	5.64	85.5	7.05	563.02	21.49	13.5	200	38.13
1515 10	0.5	5.69	72.6	7.04	568.30	21.39	9.76	200	38.13
1520 15	0.75	5.77	72.8	7.04	566.19	21.36	6.04	200	38.13
1525 20	1.0	5.75	68.4	7.04	568.73	21.36	3.00	200	38.13
1530 25	1.25	5.73	61.7	7.04	567.78	21.30	2.53	200	38.13
1535 30	1.5	5.74	72.1	7.04	559.40	21.30	1.62	200	38.13
1540	<u>Collect Sample</u>								

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs

SAMPLE DATE : 2-14-23  
 SAMPLE TIME : 1540

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>COLD - CLEAR - DRY</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>EVER GULLEN</u>
OBSERVER:	<u>                    </u>

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.

1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144

PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-15-~~XXXXXXXXXX~~

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2"

DEPTH TO WATER: 24.20

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 83.22

Pump Intake Set at (btoc): 28.22

WATER COLUMN HEIGHT: 58.94 X .17 = 10.01 X 3 = 30.05

or

PURGE VOLUME: 30.05

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm 0.1$ pH units)	SPEC. COND. ( $\mu\text{s/cm}$ ) [ $\pm 5\%$ ]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1327 00	0.1	4.01	-81.0	7.17	479.27	22.70	16.70	200 ( )	24.47
1332 50	0.25	0.34	-110.7	7.09	495.23	22.97	12.8	200	24.47
1337 10	0.5	0.18	-163.3	7.09	496.04	23.08	7.22	200	24.48
1342 15	0.75	0.14	-105.0	7.08	495.58	22.61	6.26	200	24.48
1347 20	1.0	0.14	-149.3	7.09	495.35	22.59	4.37	200	24.49
1352 25	1.25	0.15	-141.8	7.09	495.13	22.43	3.25	200	24.49
1357 30	1.5	0.16	-135.8	7.09	496.56	22.87	2.25	200	24.49
1400	Collect Sample								

**NOTES:**

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity  $\leq 5$  NTUs

SAMPLE DATE: 2-15-23

SAMPLE TIME: 1400

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>COLD-CLOUDY-DRY</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-16

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2"

DEPTH TO WATER: 27.82

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 53.19

WATER COLUMN HEIGHT: 25.32 x 1.7 = 4.31 x 3 = 12.93

PURGE VOLUME: 12.93

Pump Intake Set at (btoc): 48.19

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 958 0.0	0.1	9.45	194.8	7.38	359.55	17.70	16.4	200 ( )	27.82
1003 5.	0.25	3.58	149.0	7.13	450.53	19.60	11.3	200	27.82
1008 10	0.50	1.83	117.9	7.10	452.02	19.89	8.22	200	27.82
1013 15	0.75	1.54	102.3	7.09	452.37	20.26	4.97	200	27.82
1018 20	1.0	1.48	71.6	7.10	451.37	20.43	3.35	200	27.82
1023 25	1.25	1.44	83.6	7.10	450.19	20.73	2.13	200	27.82
1028 30	1.5	1.42	64.1	7.11	450.18	20.72	1.90	200	27.82
1033 35	1.75	1.42	77.6	7.11	451.02	20.78	1.21	200	27.82
1038 40	2.0	1.37	61.8	7.10	459.08	20.91	0.81	200	27.82
1040	<u>Collect sample</u>								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 2-15-23

SAMPLE TIME: 1040

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R.2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

**GENERAL INFORMATION**

WEATHER:	<u>Cold - Clear - DRY</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;      2023 Semi-Annual Event 2;      OTHER

WELL ID / SAMPLE ID: MIT-PZ-17-WG-202302

MATRIX: Groundwater

WELL MATERIAL: LPVC      SS      OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP

DUP./REP. OF:                     

WELL DIAMETER: 2"

DEPTH TO WATER: 20.67

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 62.70

Pump Intake Set at (btoc): 57.70

WATER COLUMN HEIGHT: 36.03 x .17 = 6.12 x 3 = 18.37

or

PURGE VOLUME: 18.37

Tubing Inlet Set at (btoc):                     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1000 0.0	0.1	0.86	192.3	6.66	350.25	20.25	19.3	200 ( )	26.67
1005 5	0.25	0.50	-2.5	7.16	426.00	20.82	12.1	200	26.93
1010 10	0.5	0.12	-11.4	7.15	426.26	20.89	8.83	200	26.93
1015 15	0.75	0.12	-1.8	7.16	430.88	20.94	6.32	200	26.93
1020 20	1.0	0.13	-17.2	7.16	433.73	20.88	4.72	200	26.93
1025 25	1.25	0.13	-5.6	7.16	439.61	20.96	3.59	200	26.93
1030 30	1.5	0.14	-24.0	7.15	448.14	21.02	1.36	200	26.93
1035 35	1.75	0.14	-27.9	7.14	456.87	21.14	0.96	200	26.93
1040	Collect Sample								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE : 2-16-23  
SAMPLE TIME : 1040

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>COLD - CLOUDY - DRY</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	<u>                    </u>



PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;     2023 Semi-Annual Event 2;     OTHER

WELL ID / SAMPLE ID: MIT-PZ-18-

MATRIX: Groundwater

WELL MATERIAL: ✓PVC    SS    OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP

DUP./REP. OF:                     

WELL DIAMETER: 2"

DEPTH TO WATER: 23.51

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 63.10

WATER COLUMN HEIGHT: 36.67 x .17 = 6.74 x 3 = 20.23

PURGE VOLUME: 20.23

Pump Intake Set at (btoc): 58.10

or

Tubing Inlet Set at (btoc):                     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: <u>1500 00</u>	<u>0.1</u>		<u>36.5</u>	<u>6.75</u>	<u>780.50</u>	<u>22.33</u>	<u>12.9</u>	<u>200</u>	<u>23.51</u>
<u>1505 5</u>	<u>0.25</u>		<u>36</u>	<u>7.22</u>	<u>644.47</u>	<u>23.66</u>	<u>0.95</u>	<u>200</u>	<u>23.51</u>
<u>1500 00</u>	<u>0.1</u>	<u>7.03</u>	<u>-36.5</u>	<u>7.22</u>	<u>644.47</u>	<u>23.66</u>	<u>12.9</u>	<u>200</u>	<u>23.51</u>
<u>1505 5</u>	<u>0.25</u>	<u>1.10</u>	<u>10.7</u>	<u>6.75</u>	<u>730.58</u>	<u>22.33</u>	<u>8.95</u>	<u>200</u>	<u>23.51</u>
<u>1510 10</u>	<u>0.5</u>	<u>0.80</u>	<u>16.5</u>	<u>6.74</u>	<u>729.67</u>	<u>22.20</u>	<u>6.54</u>	<u>200</u>	<u>23.51</u>
<u>1515 15</u>	<u>0.75</u>	<u>0.66</u>	<u>20.5</u>	<u>6.73</u>	<u>729.11</u>	<u>22.43</u>	<u>3.45</u>	<u>200</u>	<u>23.51</u>
<u>1520 20</u>	<u>1.0</u>	<u>0.90</u>	<u>19.3</u>	<u>6.74</u>	<u>727.72</u>	<u>22.55</u>	<u>1.70</u>	<u>200</u>	<u>23.51</u>
<u>1525 25</u>	<u>1.25</u>	<u>0.72</u>	<u>17.8</u>	<u>6.74</u>	<u>734.61</u>	<u>22.47</u>	<u>0.92</u>	<u>200</u>	<u>23.51</u>
<u>1530 30</u>	<u>1.5</u>	<u>0.81</u>	<u>20.0</u>	<u>6.73</u>	<u>730.76</u>	<u>22.26</u>	<u>1.04</u>	<u>200</u>	<u>23.51</u>
<u>1535</u>	<u>Collect sample</u>								

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 2-15-23

SAMPLE TIME: 1535

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

**GENERAL INFORMATION**

WEATHER:	<u>COLD - CLOUDY - DRY</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang; Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1; \_\_\_ 2023 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-PZ-19-~~WQ~~-202302

MATRIX: Groundwater

WELL MATERIAL: X PVC SS OTHER

SAMPLE METHOD: Dedicated Bladder pump  
Low Flow

WELL DIAMETER: 2

DUP./REP. OF: MIT-APA12-FD-01-~~WQ~~-202302

DEPTH TO WATER: 25.15

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 62.63

WATER COLUMN HEIGHT: 37.48

PURGE VOLUME: 6 L

Pump Intake Set at (btoc): 57.63

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

or  
Tubing Inlet Set at (btoc): \_\_\_\_\_

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: <u>1213</u>	<u>0</u>	<u>1.65</u>	<u>-42.2</u>	<u>6.74</u>	<u>779.09</u>	<u>23.63</u>	<u>0.78</u>	<u>200 ( )</u>	<u>25.15</u>
<u>1218</u>	<u>0.25</u>	<u>0.47</u>	<u>35.6</u>	<u>6.69</u>	<u>789.23</u>	<u>22.44</u>	<u>1.20</u>	<u>200</u>	<u>25.18</u>
<u>1223</u>	<u>0.5</u>	<u>0.35</u>	<u>57.4</u>	<u>6.68</u>	<u>795.29</u>	<u>21.99</u>	<u>0.35</u>	<u>200</u>	<u>25.18</u>
<u>1228</u>	<u>0.75</u>	<u>0.29</u>	<u>63.8</u>	<u>6.67</u>	<u>796.91</u>	<u>22.15</u>	<u>0.47</u>	<u>200</u>	<u>25.18</u>
<u>1233</u>	<u>1.0</u>	<u>0.25</u>	<u>66.9</u>	<u>6.67</u>	<u>800.44</u>	<u>21.92</u>	<u>0.18</u>	<u>200</u>	<u>25.18</u>
<u>1238</u>	<u>1.25</u>	<u>0.24</u>	<u>58.0</u>	<u>6.66</u>	<u>802.83</u>	<u>21.85</u>	<u>0.26</u>	<u>200</u>	<u>25.18</u>
<u>1243</u>	<u>1.5</u>	<u>0.21</u>	<u>67.2</u>	<u>6.66</u>	<u>802.93</u>	<u>22.01</u>	<u>0.27</u>	<u>200</u>	<u>25.18</u>

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

Collected duplicate sample MIT-APA12-FD-01 at this location

SAMPLE DATE: 2/15/23

SAMPLE TIME: 1245

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	<u>11</u>	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	<u>11</u>	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	<u>11</u>	Cool to 6°C	SM2540C	TDS
1 L/Poly	<u>14</u>	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Clear, Temp 72°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-23A-WG-202302

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Dedicated Bladder pump  
low flow

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2

DEPTH TO WATER: 46.77

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 67.21

Pump Intake Set at (btoc): 62.21

WATER COLUMN HEIGHT: 20.44

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

PURGE VOLUME: \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (FT BTOC) <sup>1</sup>
Initial: 1537	0	2.35	160.6	6.77	700.27	23.14	29.1	200 ( )	46.77
1542	0.25	1.97	161.3	6.77	694.86	22.21	27.4	200	47.21
1547	0.5	2.70	204.8	6.77	698.86	22.13	22.3	200	47.22
1552	0.75	2.16	198.8	6.76	696.97	21.82	16.5	200	47.22
1557	1.0	2.15	197.1	6.76	692.77	21.73	11.5	200	47.22
1602	1.25	2.06	195.8	6.76	688.43	21.68	10.7	200	47.22
1607	1.5	2.01	195.0	6.75	682.93	21.59	8.53	200	47.22
1612	1.75	1.98	194.0	6.75	683.98	21.57	7.48	200	47.22
1617	2.0	2.18	198.2	6.75	670.05	21.58	6.95	200	47.22
1622	2.25	2.07	194.6	6.75	699.01	21.50	6.20	200	47.22
1627	2.5	2.04	153.5	6.75	695.22	21.50	5.91	200	47.22
1632	2.75	2.05	153.2	6.76	691.21	21.46	5.98	200	47.22
1637	3.0	2.04	192.7	6.74	687.68	21.46	5.40	200	47.22
1642	3.25	2.02	153.2	6.75	683.50	21.37	5.56	200	47.22

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 2/14/23

SAMPLE TIME: 1704

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION

WEATHER:	<u>Clear, Temp 73°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1; \_\_\_ 2023 Semi-Annual Event 2; \_\_\_ OTHER

WELL ID / SAMPLE ID: MIT-PZ-23A

MATRIX: Groundwater

WELL MATERIAL: X PVC \_\_\_ SS \_\_\_ OTHER

SAMPLE METHOD: Dedicated Bladder pump low flow

WELL DIAMETER: 2  
DEPTH TO WATER: 46.77  
TOTAL DEPTH: 67.21  
WATER COLUMN HEIGHT: 20.44  
PURGE VOLUME: 1.7L

GRAB (x) COMPOSITE ( )

DUP./REP. OF: \_\_\_\_\_

Pump Intake Set at (btoc): 62.21

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

or  
Tubing Inlet Set at (btoc): \_\_\_\_\_

TIME	VOL. PURGED (gal)	DO ( $\pm 10\%$ for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. ( $\mu\text{S/cm}$ ) [+/- 5%]	TEMP ( $^{\circ}\text{C}$ ) Record only	TURB. (NTU) [ $\leq 5$ NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1647	3.5	2.02	153.9	6.25	682.68	21.37	5.24	200 ( )	47.22
1652	3.75	2.03	153.7	6.75	683.36	21.37	5.03	200	47.22
1657	4.00	2.04	192.1	6.74	676.91	21.30	4.88	200	47.22
1702	4.25	2.03	152.5	6.75	673.98	21.26	4.86	200	47.22

NOTES:

<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.

If well is purged dry, allow to recharge and sample within 24 hrs.

Turbidity  $\leq 5$  NTUs

SAMPLE DATE : 2/14/23  
SAMPLE TIME : 1704

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION

WEATHER:	<u>Clear, Temp 73°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

PLANT MITCHELL FIELD SAMPLING REPORT

Project Number: 6122-16-0170.2302

ASH PONDS A, 1 AND 2

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;      2023 Semi-Annual Event 2;      OTHER

WELL ID / SAMPLE ID: MIT-PZ-25-WG-202302

MATRIX: Groundwater

WELL MATERIAL: XPVC     SS     OTHER

SAMPLE METHOD: Dedicated Bladder pump lowFlow

DUP./REP. OF: MIT-APA12-FD-02-WG-202302

WELL DIAMETER: 2  
DEPTH TO WATER: 23.36  
TOTAL DEPTH: 63.19  
WATER COLUMN HEIGHT: 39.83  
PURGE VOLUME: 6L

GRAB (x) COMPOSITE ( )

Pump Intake Set at (btoc): 58.19

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

or  
Tubing Inlet Set at (btoc):                     

TIME	VOL. PURGED (gal)	DO ( $\pm$ 10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH ( $\pm$ 0.1 pH units)	SPEC. COND. ( $\mu$ s/cm) [ $\pm$ 5%]	TEMP ( $^{\circ}$ C) Record only	TURB. (NTU) [5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1007	0	4.24	1.2	7.33	413.35	27.76	1.27	200 ( )	23.36
1012	0.25	0.66	-53.8	7.03	454.94	22.03	11.70	200	23.46
1017	0.5	0.37	-84.0	7.02	455.41	21.87	8.87	200	23.46
1022	0.75	0.28	-93.0	7.02	454.44	21.89	4.27	200	23.46
1027	1.0	0.31	-95.5	7.02	453.84	22.09	2.08	200	23.46
1032	1.25	0.32	-97.3	7.02	454.34	21.91	1.16	200	23.46
1037	1.5	0.32	-78.4	7.02	453.86	22.09	1.19	200	23.46

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity  $\leq$  5 NTUs Collected duplicate sample MIT-APA12-FD-02 at this location.

SAMPLE DATE: 2/15/23  
SAMPLE TIME: 1040

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	<u>12</u>	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	<u>12</u>	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	<u>12</u>	Cool to 6°C	SM2540C	TDS
1 L/Poly	<u>14</u>	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Clear, Temp 58°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT: X 2023 Semi-Annual Event 1;      2023 Semi-Annual Event 2;      OTHER

WELL ID / SAMPLE ID: MIT-PZ-31

MATRIX: Groundwater

WELL MATERIAL: PVC SS OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP

WELL DIAMETER: 2"

DUP./REP. OF:     

DEPTH TO WATER: 34.62

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 61.60

Pump Intake Set at (btoc): 56.0'

WATER COLUMN HEIGHT: 26.98 x .17 = 4.58 x 3 = 13.75

or

PURGE VOLUME: 13.75

Tubing Inlet Set at (btoc):     

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1323 0.0	0.1	8.98	49.4	7.72	313.30	20.31	19.80	200 ( )	34.62
1328 5	0.25	5.22	61.1	7.11	506.89	19.84	13.40	200	34.62
1333 10	0.5	4.92	62.4	7.09	506.36	19.74	9.72	200	34.62
1338 15	0.75	4.83	85.0	7.09	506.56	19.84	6.38	200	34.62
1343 20	1.0	4.85	64.7	7.09	505.72	19.72	4.59	200	34.62
1348 25	1.25	4.86	86.7	7.09	506.23	19.67	2.36	200	34.62
1353 30	1.50	4.86	88.7	7.08	506.06	19.79	1.77	200	34.62
1358 35	1.75	4.85	66.0	7.09	508.04	19.76	1.27	200	34.62
1405	Collect Sample								

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs

SAMPLE DATE: 2-14-23  
 SAMPLE TIME: 1405

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>COLD - CLEAR - DRY</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	<u>    </u>

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-32-WG-202302

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: Dedicated Bladder pump LowFlow

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2

DEPTH TO WATER: 30.04

GRAB (x) COMPOSITE ( )

TOTAL DEPTH: 65.30

WATER COLUMN HEIGHT: 35.26

PURGE VOLUME: 5L

Pump Intake Set at (btoc): 60.30

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]

[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [±5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 13.54	0	2.94	136.4	7.47	309.00	23.52	1.60	200 ( )	30.04
13.59	0.25	1.38	133.3	7.39	320.32	19.67	1.55	200	30.11
14.04	0.5	1.07	158.8	7.38	324.06	19.36	1.09	200	30.11
14.09	0.75	0.99	157.6	7.37	323.60	19.38	0.42	200	30.11
14.14	1.0	0.96	156.5	7.37	323.43	19.36	0.66	200	30.11
14.19	1.25	0.94	155.8	7.36	323.28	19.36	0.22	200	30.11

**NOTES:**  
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
 If well is purged dry, allow to recharge and sample within 24 hrs.  
 Turbidity ≤ 5 NTUs

SAMPLE DATE : 2/14/23  
 SAMPLE TIME : 1422

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Clear, Temp 72°F</u>
SHIPPED VIA:	FED-X
SHIPPED TO:	PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang:Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	

PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-33-~~XXXXXXXXXX~~

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: DEDICATED BLADDER PUMP

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2"  
DEPTH TO WATER: 43.51 GRAB (x) COMPOSITE ( )  
TOTAL DEPTH: 73.60  
WATER COLUMN HEIGHT: 30.09 x .17 = 5.11 x 3 = 15.34  
PURGE VOLUME: 15.34

Pump Intake Set at (btoc): 68.60

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 130400	0.1	7.90	76.7	7.60	341.57	25.24	17.90	200 ( )	43.51
1309 5	0.25	0.57	111.6	7.13	453.26	21.95	13.1	200	43.86
1314 10	0.5	0.18	31.7	7.13	454.96	22.30	9.18	200	43.86
1319 15	0.75	0.15	32.3	7.13	457.38	22.37	7.19	200	43.86
1324 20	1.0	0.14	39.5	7.12	455.06	22.87	4.27	200	43.86
1329 25	1.25	0.14	34.5	7.12	453.66	22.28	2.38	200	43.86
1334 30	1.5	0.15	40.9	7.13	453.06	22.61	1.17	200	43.86
1339 35	1.75	0.15	42.4	7.13	454.41	21.99	1.28	200	43.86
1345	Collect Sample								
NOTES:									
<sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen. If well is purged dry, allow to recharge and sample within 24 hrs. Turbidity ≤ 5 NTUs									

SAMPLE DATE: 2-16-23

SAMPLE TIME: 1345

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

**GENERAL INFORMATION**

WEATHER:	<u>COLD - CLOUDY - DRY</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>EVER GUILLEN</u>
OBSERVER:	



PROJECT NAME: Plant Mitchell, GA - CCR GW

**PLANT MITCHELL FIELD SAMPLING REPORT**

Project Number: 6122-16-0170.2302

**ASH PONDS A, 1 AND 2**

WSP USA E&I Solutions, Inc.  
1075 BIG SHANTY ROAD NW SUITE 100 KENNESAW GA 30144  
PHONE: (770) 421-3400 / FAX: (770) 421-3486

SAMPLING EVENT:  2023 Semi-Annual Event 1;  2023 Semi-Annual Event 2;  OTHER

WELL ID / SAMPLE ID: MIT-PZ-57-WG-202302

MATRIX: Groundwater

WELL MATERIAL:  PVC  SS  OTHER

SAMPLE METHOD: QED bladder pump low flow

DUP./REP. OF: \_\_\_\_\_

WELL DIAMETER: 2  
DEPTH TO WATER: 23.22  
TOTAL DEPTH: 73.39  
WATER COLUMN HEIGHT: 50.17  
PURGE VOLUME: 6 L

GRAB (x) COMPOSITE ( )

Pump Intake Set at (btoc): 68.39

or

Tubing Inlet Set at (btoc): \_\_\_\_\_

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]  
[0.653 x water column height (ft) x 3 (well volumes) for 4" wells]  
[1.47 x water column height (ft) x 3 (well volumes) for 6" wells]

TIME	VOL. PURGED (gal)	DO (±10% for DO > 0.5 mg/L for DO < 0.5 mg/L record only)	ORP (mV) record only	pH (+/- 0.1 pH units)	SPEC. COND. (µs/cm) [+/- 5%]	TEMP (°C) Record only	TURB. (NTU) [≤5 NTU]	Pump Rate ml/min. (& pump setting) (100 ml/min)	Water Level (Ft BTOC) <sup>1</sup>
Initial: 1035	0	1.61	126.4	7.13	539.44	21.64	39.4	200 ( )	23.22
1040	0.25	1.29	77.1	7.06	553.53	21.58	35.8	200	23.59
1045	0.5	1.51	70.1	7.07	551.88	21.74	31.2	200	23.59
1050	0.75	0.77	59.4	7.06	551.16	21.74	20.4	200	23.55
1055	1.0	0.49	58.4	7.06	549.78	21.82	7.39	200	23.55
1100	1.25	0.37	53.1	7.06	550.36	21.84	2.66	200	23.55
1105	1.50	0.30	45.0	7.06	551.68	21.73	2.36	200	23.55

NOTES: <sup>1</sup> Stabilization of water column will be considered achieved when 3 consecutive water level measurements vary by 0.3 foot or less at a pumping rate no greater than 100 ml/min and the water level is above the top of the screen.  
If well is purged dry, allow to recharge and sample within 24 hrs.  
Turbidity ≤ 5 NTUs

SAMPLE DATE: 2/16/23  
SAMPLE TIME: 1108

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
250 mL/Poly	1	HNO3 to pH <2	SW6010D/SW6020B/S W7470A	App. III & IV Metals
250 mL/Poly	1	Cool to 6°C	EPA 300.0 R2.1	App. III Anions
500 mL/Poly	1	Cool to 6°C	SM2540C	TDS
1 L/Poly	2	HNO3 to pH <2	E9315/9320	Radium 226 & 228 Combined

GENERAL INFORMATION	
WEATHER:	<u>Partly Sunny, Temp 63°F</u>
SHIPPED VIA:	<u>FED-X</u>
SHIPPED TO:	<u>PACE Laboratories - 110 Technology Pkwy, Peachtree Corners, GA 30092 PH: (770) 734-4203 POC: Bonnie Vang: Bonnie.Vang@pacelabs.com 704-977-0968 ext 920968 (Huntersville NC)</u>
SAMPLER:	<u>Daniel Howard</u>
OBSERVER:	



# APPENDIX B

## CALIBRATION DATA



Date: 8/24/22  
 Time: 0825  
 Prepared By: Daniel Howard  
 Checked By: \_\_\_\_\_

Wood.  
 Project No. 6122160170.2202

Pine Sonde ID: 884186  
 Pine Handset ID: \_\_\_\_\_  
 Battery Voltage %: \_\_\_\_\_

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		<u>25.23</u>
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	<u>mbar</u> <u>1010.9</u>
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	
DO concentration after Calibration (mg/L):		<u>7.76</u> <i>mg/L</i>
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	<u>1.047729</u> <i>slope</i>

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	<u>Lot # 19150155</u>
Temperature (°C)	<u>1.413</u>
Reading before Calibration (mS/cm)	<u>1.634</u> <i>25.42</i>
Reading AFTER Calibration (mS/cm)	<u>1.635</u>
Conductivity Cell Constant (unitless):	<u>1.413</u> <u>0.992</u>

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH	
pH 7.0 value before calibration:	<u>Lot 21010066 8/22</u>
pH 7.0 value after calibration:	<u>25.33</u>
pH 7.0 mV (range is -50 to +50 mV):	<u>7.20</u> <u>7.00</u> <u>-4.7</u>
pH 10 value before calibration:	<u>Lot 21080189 6/22</u>
pH 10 value after calibration:	<u>25.33</u>
pH 10 mV (range is -130 to -230 mV):	<u>10.11</u> <u>10.00</u> <u>-173.0</u>
pH 4.0 value before calibration:	<u>Lot 21470032 4/23</u>
pH 4.0 value after calibration:	<u>25.33</u>
pH 4.0 mV (range is 130 to 230 mV):	<u>4.13</u> <u>4.0</u> <u>169.1</u>

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)	
Calibration Temperature (°C):	<u>Lot 21140143 4/23</u>
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)
Reading before calibration (mV):	<u>228.6</u> <u>25.37</u>
Reading after calibration (mV):	<u>224.6</u> <u>228.6</u>

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.			
<u>0</u> NTU Turbidity Standard	Before Cal:	After Cal:	<u>0</u>
<u>10</u> NTU Turbidity Standard	Before Cal:	After Cal:	<u>9.91</u>
<u>1</u> NTU Turbidity Standard	Before Cal:	After Cal:	<u>0.67</u>
____ NTU Turbidity Check STD	Before Cal:	After Cal:	
____ NTU Turbidity Check STD	Before Cal:	After Cal:	

CALIBRATION SUCCESSFUL?

*Lamotte Turbidity meter*  
*SN: 6411-1416*

Date: 8/25/22

Time: 0530

Prepared By: Daniel Howard

Checked By: \_\_\_\_\_

Wood.

Project No.

6122160170.2202

Pine Sonde ID: 884186

Pine Handset ID: \_\_\_\_\_

Battery Voltage %: 100

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		23.56
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	m bar 1008.0
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.42
DO concentration after Calibration (mg/L):		<del>8.42</del> 8.04
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99.26
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	1.025056 slope

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	Lot #19150155
Temperature (°C)	
Reading before Calibration (mS/cm)	1.413
Reading AFTER Calibration (mS/cm)	23.79
Conductivity Cell Constant (unitless):	1.415
	1.413
	0.99

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH	
pH 7.0 value before calibration:	Lot 21010066 8/22
pH 7.0 value after calibration:	23.85
pH 7.0 mV (range is -50 to +50 mV):	-5.5
pH 10 value before calibration:	Lot 21080189 6/22
pH 10 value after calibration:	23.97
pH 10 mV (range is -130 to -230 mV):	10.06
pH 4.0 value before calibration:	Lot 21470032 4/23
pH 4.0 value after calibration:	24.06
pH 4.0 mV (range is 130 to 230 mV):	4.02
	4.00
	167.3

Note: Span between ph 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)	
Calibration Temperature (°C):	Lot 21140143 4/23
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)
Reading before calibration (mV):	24.06
Reading after calibration (mV):	24
	229.5
	230.3

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.			
0 NTU Turbidity Standard	Before Cal:	After Cal:	0
10 NTU Turbidity Standard	Before Cal:	After Cal:	11.2
1 NTU Turbidity Standard	Before Cal:	After Cal:	0.5
NTU Turbidity Check STD	Before Cal:	After Cal:	
NTU Turbidity Check STD	Before Cal:	After Cal:	

CALIBRATION SUCCESSFUL?

Lamotte Turbidity meter

SN: 6411-1416

Date: 8/26/22

Wood.

Pine Sonde ID: 884186

Time: 0520

Project No.

Pine Handset ID:

Prepared By: Daniel Howard

6122160170.2202

Battery Voltage %: 93

Checked By:

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		23.76
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	m bar 1007.8
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.38
DO concentration after Calibration (mg/L):		7.98
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99.77
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	1.033428 slope

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	Lot 19150155
Temperature (°C)	1.413
Reading before Calibration (mS/cm)	23.66
Reading AFTER Calibration (mS/cm)	1.398
Conductivity Cell Constant (unitless):	1.413
	1.00

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH	
pH 7.0 value before calibration:	Lot 21010066 8/22
pH 7.0 value after calibration:	23.78
pH 7.0 mV (range is -50 to +50 mV):	-6.4
pH 10 value before calibration:	Lot 21080189 6/22
pH 10 value after calibration:	23.88
pH 10 mV (range is -130 to -230 mV):	-176.1
pH 4.0 value before calibration:	Lot 21470032 4/23
pH 4.0 value after calibration:	24.03
pH 4.0 mV (range is 130 to 230 mV):	165.6

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)	
Calibration Temperature (°C):	Lot 21140143 4/23
Theoretical Calibration standard (mV)	0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)
Reading before calibration (mV):	230.1
Reading after calibration (mV):	230.2
	230.1

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.			
0 NTU Turbidity Standard	Before Cal:	After Cal:	0
10 NTU Turbidity Standard	Before Cal:	After Cal:	10.9
1 NTU Turbidity Standard	Before Cal:	After Cal:	0.65
NTU Turbidity Check STD	Before Cal:	After Cal:	
NTU Turbidity Check STD	Before Cal:	After Cal:	
CALIBRATION SUCCESSFUL?			

Lamotte Turbidity meter  
SN: 6411-1416

Date: 8-24-22Time: 900Prepared By: EVER GUILLEN

Checked By: \_\_\_\_\_

Wood.  
Project No.Pine Sonde ID: 877800

Pine Handset ID: \_\_\_\_\_

Battery Voltage %: \_\_\_\_\_

## CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		<del>24.74</del> <u>24.64</u> <span style="float: right;">24.74</span>
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	<u>1010.6mm</u> <u>758.01</u>
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	<u>6.91</u> <span style="float: right;"><del>2.88</del></span>
DO concentration after Calibration (mg/L):		<u>7.81</u>
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	<u>1.059867</u>

Note:

**CONDUCTIVITY** [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]

Calibration standard used (mS/cm)	<u>Lot# 19410200</u>	
Temperature (°C)		<u>14.13</u>
Reading before Calibration (mS/cm)		<u>24.32</u>
Reading AFTER Calibration (mS/cm)		<u>1.721</u>
Conductivity Cell Constant (unitless):		<u>1.413</u>
	<u>0.917</u>	<u>1.059867</u>

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

**pH**

pH 7.0 value before calibration:	<u>21380102</u> <u>4/23</u>	<u>7.27</u>
pH 7.0 value after calibration:		<u>7.0</u>
pH 7.0 mV (range is -50 to +50 mV):		<u>-9.7</u>
pH 10 value before calibration:	<u>20080056</u> <u>4/23</u>	<u>10.07</u>
pH 10 value after calibration:		<u>10.0</u>
pH 10 mV (range is -130 to -230 mV):		<u>-171.0</u>
pH 4.0 value before calibration:	<u>21470032</u> <u>4/23</u>	<u>4.28</u>
pH 4.0 value after calibration:		<u>4.0</u>
pH 4.0 mV (range is 130 to 230 mV):		<u>167.0</u>

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

**OXIDATION/REDUCTION POTENTIAL (ORP)**

Calibration Temperature (°C):	<u>21140143</u> <u>4/23</u>	<u>26.10</u>
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)	<u>228</u>
Reading before calibration (mV):		<u>225.2</u>
Reading after calibration (mV):		<u>227.6</u>

Note: mV theory will change with temperature, so calculate based on your current temp.

**TURBIDITY** Note: Lens wiper should be parked 180 degrees from the optics.

<u>0.0</u> NTU Turbidity Standard	Before Cal: <u>-0.19</u>	After Cal: <u>0.0</u>
<u>10.0</u> NTU Turbidity Standard	Before Cal: <u>10.11</u>	After Cal: <u>10.1</u>
____ NTU Turbidity Standard	Before Cal: _____	After Cal: _____
____ NTU Turbidity Check STD	Before Cal: _____	After Cal: _____
____ NTU Turbidity Check STD	Before Cal: _____	After Cal: _____

**CALIBRATION SUCCESSFUL?**LaMotte Turbidity meter

Date: 8-25-22  
 Time: 8:15  
 Prepared By: EVER GUILLEN  
 Checked By: \_\_\_\_\_

Wood.  
 Project No.

Pine Sonde ID: \_\_\_\_\_  
 Pine Handset ID: 877800  
 Battery Voltage %: \_\_\_\_\_

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		<u>29.69</u>
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	<u>1011.9MB</u> <u>758.89</u>
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	<u>8.57</u>
DO concentration after Calibration (mg/L):		<u>7.90</u>
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	<u>1.050036</u>

Note:

**CONDUCTIVITY** [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]

Calibration standard used (mS/cm)		<u>1.413</u>
Temperature (°C)		<u>25.04</u>
Reading before Calibration (mS/cm)		<u>1.499</u>
Reading AFTER Calibration (mS/cm)		<u>1.413</u>
Conductivity Cell Constant (unitless):		<u>0.868</u>

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

**pH**

pH 7.0 value before calibration:		<u>7.06</u>
pH 7.0 value after calibration:		<u>7.0</u>
pH 7.0 mV (range is -50 to +50 mV):		<u>-8.0</u>
pH 10 value before calibration:		<u>10.06</u>
pH 10 value after calibration:		<u>10.0</u>
pH 10 mV (range is -130 to -230 mV):		<u>-174.4</u>
pH 4.0 value before calibration:		<u>4.07</u>
pH 4.0 value after calibration:		<u>4.0</u>
pH 4.0 mV (range is 130 to 230 mV):		<u>163.0</u>

Note: Span between ph 4 and 7, and 7 and 10 should be between 165 to 180 mV

**OXIDATION/REDUCTION POTENTIAL (ORP)**

Calibration Temperature (°C):		<u>25.48</u>
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25-T) \times 1000 = \text{mV}$ (T is Temperature °C)	<u>228</u>
Reading before calibration (mV):		<u>227.3</u>
Reading after calibration (mV):		<u>228.5</u>

Note: mV theory will change with temperature, so calculate based on your current temp.

**TURBIDITY** Note: Lens wiper should be parked 180 degrees from the optics.

<u>0.0</u> NTU Turbidity Standard	Before Cal:	After Cal:	<u>0.0</u>
<u>10.0</u> NTU Turbidity Standard	Before Cal:	After Cal:	<u>9.92</u>
_____ NTU Turbidity Standard	Before Cal:	After Cal:	
_____ NTU Turbidity Check STD	Before Cal:	After Cal:	
_____ NTU Turbidity Check STD	Before Cal:	After Cal:	

**CALIBRATION SUCCESSFUL?**

*LaMotte Turbidity Meter*

Date: 8-26-22Time: 830Prepared By: EVER GUILLEN

Checked By: \_\_\_\_\_

Wood.  
Project No.Pine Sonde ID: \_\_\_\_\_  
Pine Handset ID: 877800  
Battery Voltage %: \_\_\_\_\_

## CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		<u>22.72</u>
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	<u>1011.148</u> <u>758.39</u>
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	<u>8.76</u>
DO concentration after Calibration (mg/L):		<u>8.34</u>
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	<u>1.031263</u>

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	
Temperature (°C)	<u>14.12</u>
Reading before Calibration (mS/cm)	<u>23.61</u>
Reading AFTER Calibration (mS/cm)	<u>1.312</u>
Conductivity Cell Constant (unitless):	<u>1.413</u> <u>0.913</u>

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH	
pH 7.0 value before calibration:	<u>7.0</u>
pH 7.0 value after calibration:	<u>7.0</u>
pH 7.0 mV (range is -50 to +50 mV):	<u>-7.6</u>
pH 10 value before calibration:	<u>10.04</u>
pH 10 value after calibration:	<u>10.0</u>
pH 10 mV (range is -130 to -230 mV):	<u>-175.6</u>
pH 4.0 value before calibration:	<u>3.99</u>
pH 4.0 value after calibration:	<u>4.0</u>
pH 4.0 mV (range is 130 to 230 mV):	<u>162.8</u>

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)	
Calibration Temperature (°C):	<u>23.79</u>
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)
Reading before calibration (mV):	<u>228.0</u>
Reading after calibration (mV):	<u>231.2</u> <u>230.7</u>

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.				
<u>0.0</u> NTU Turbidity Standard	Before Cal:	<u>-0.19</u>	After Cal:	<u>0.0</u>
<u>10.0</u> NTU Turbidity Standard	Before Cal:		After Cal:	<u>9.93</u>
____ NTU Turbidity Standard	Before Cal:		After Cal:	
____ NTU Turbidity Check STD	Before Cal:		After Cal:	
____ NTU Turbidity Check STD	Before Cal:		After Cal:	

CALIBRATION SUCCESSFUL?

LaMotte Turbidity meter



SN843285

Project: PLANT MITCHELL  
 Date: 10-11-22  
 Time: \_\_\_\_\_  
 Sampler: EVER GUILLEN

Wood  
 Environment and Infrastructure

Sonde ID: 883965  
 Handset ID: \_\_\_\_\_  
 Battery Voltage %: 100

YSI CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		18.52
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	1018.1 mB
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	9.08
DO concentration after Calibration (mg/L):		8.07
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	
DO Charge (DO ch):	Acceptable Range is 25 to 75	6
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	

Note: Reference elevation for the Fairfield, AL site is 565 ft.

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]		VALUE
Calibration standard used (mS/cm)	Lot # 21500094 Exp. 7-23	1.413
Temperature (°C)		18.37
Reading before Calibration (mS/cm)		1.203
Reading AFTER Calibration (mS/cm)		1.287
Conductivity Cell Constant (unitless):		0.917

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH		VALUE
pH 7.0 value before calibration:	21380102 4/23	7.06
pH 7.0 value after calibration:		7.0
pH 7.0 mV (range is -50 to +50 mV):		1.0
pH 10 value before calibration:	20080056 4/23	10.48
pH 10 value after calibration:		10.0
pH 10 mV (range is -130 to -230 mV):		-162.1
pH 4.0 value before calibration:	21470032 4/23	4.08
pH 4.0 value after calibration:		4.0
pH 4.0 mV (range is 130 to 230 mV):		172.1

Note: Span between ph 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)		VALUE
Calibration Temperature (°C):	21140143 4/23	19.53
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25-T) \times 1000 = \text{mV}$ (T is Temperature °C)	228.0
Reading before calibration (mV):		236.2
Reading after calibration (mV):		229.2

Note: mV theory will change with temperature, so calculate based on your current YSI temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.		VALUE
0 NTU Turbidity Standard	Before Cal: 1.1 After Cal: 0.1	
10 NTU Turbidity Standard	Before Cal: 10.9 After Cal: 10.1	
200 NTU Turbidity Standard	Before Cal: 21.7 After Cal: 19.9	
800 NTU Turbidity Standard	Before Cal: 78.7 After Cal: 79.2	
YSI CALIBRATION SUCCESSFUL?		YES

10  
200  
100  
800

Date: 2/14/23  
 Time: 0540  
 Prepared By: Daniel Howard  
 Checked By: \_\_\_\_\_

WSP  
 Project No. 6122160170

Sonde ID: 850724  
 Handset ID: 850724  
 Battery Voltage %: 90

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		22.44
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	mbar 1,009.3
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.59
DO concentration after Calibration (mg/L):		7.89
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99.41
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	1.094056 slope

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	Lot 21500094
Temperature (°C)	
Reading before Calibration (mS/cm)	1.413
Reading AFTER Calibration (mS/cm)	1.7127
Conductivity Cell Constant (unitless):	1.413
	0.979

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH	
pH 7.0 value before calibration:	Lot 2216893 11/23
pH 7.0 value after calibration:	22.08°C
pH 7.0 mV (range is -50 to +50 mV):	-6.9
pH 10 value before calibration:	Lot 21320202 12/23
pH 10 value after calibration:	22.36°C
pH 10 mV (range is -130 to -230 mV):	-176.3
pH 4.0 value before calibration:	Lot 22250153 11/23
pH 4.0 value after calibration:	22.26°C
pH 4.0 mV (range is 130 to 230 mV):	166.5

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)	
Calibration Temperature (°C):	Lot 21390144 11/23
Theoretical Calibration standard (mV)	0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)
Reading before calibration (mV):	232.6
Reading after calibration (mV):	218.0
	232.6

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY [Note: Lens wiper should be parked 180 degrees from the optics.]	
20 NTU Turbidity Standard Lot A2231 12/23	Before Cal: After Cal: 19.8
100 NTU Turbidity Standard Lot A2239 12/23	Before Cal: After Cal: 101
800 NTU Turbidity Standard Lot A2231 12/23	Before Cal: After Cal: 807
10 NTU Turbidity Check STD Lot A2264 1/24	Before Cal: After Cal: 10.2
_____ NTU Turbidity Check STD	Before Cal: After Cal:

CALIBRATION SUCCESSFUL?

1020 Hach 2100 Q: 5N; 22090 D000036

check  
7.08

Date: 2/15/23  
 Time: 0535  
 Prepared By: Daniel Howard  
 Checked By: \_\_\_\_\_

WSP  
 Project No. 6122160170

Sonde ID: 850724  
 Handset ID: 850724  
 Battery Voltage %: 79

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		22.86
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	mbar 1011.6
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.52
DO concentration after Calibration (mg/L):		7.79
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99.20
DO Charge (DO ch):	Acceptable Range is 25 to 75	—
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	1.10567

*slope*

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]		
Calibration standard used (mS/cm)	Lot 21500094	1.413
Temperature (°C)		22.73
Reading before Calibration (mS/cm)		1.4071
Reading AFTER Calibration (mS/cm)		1.413
Conductivity Cell Constant (unitless):		0.983

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH		
pH 7.0 value before calibration:	Lot 2216893 11/23	7.08
pH 7.0 value after calibration:	22.66°C	7.00
pH 7.0 mV (range is -50 to +50 mV):		-10.3
pH 10 value before calibration:	Lot 21320202 12/23	10.11
pH 10 value after calibration:	22.66°C	10.00
pH 10 mV (range is -130 to -230 mV):		-179.6
pH 4.0 value before calibration:	Lot 22250153 11/23	4.06
pH 4.0 value after calibration:	22.74°C	4.00
pH 4.0 mV (range is 130 to 230 mV):		163.3

*check 6.98*

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)		
Calibration Temperature (°C):	Lot 21390144 11/23	22.74
Theoretical Calibration standard (mV)	0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)	232.0
Reading before calibration (mV):		229.7
Reading after calibration (mV):		232.0

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.			
20 NTU Turbidity Standard	Lot A2231 12/23	Before Cal:	After Cal: 19.9
100 NTU Turbidity Standard	Lot A2239 12/23	Before Cal:	After Cal: 100
800 NTU Turbidity Standard	Lot A2231 12/23	Before Cal:	After Cal: 799
10 NTU Turbidity Check STD	Lot A2264 1/24	Before Cal:	After Cal: 10.1
_____ NTU Turbidity Check STD		Before Cal:	After Cal:

CALIBRATION SUCCESSFUL?

*Hach 2100 Q:SN!22090DB00086*

Date: 2/16/23

WSP

Sonde ID: 850724

Time: 0515

Project No. 6122160170

Handset ID: 850724

Prepared By: Daniel Howard

Battery Voltage %: 99

Checked By: \_\_\_\_\_

CALIBRATION PRIOR TO SAMPLING

Aqua Tro II 400

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		23.68
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	1010.2 mbar
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.54
DO concentration after Calibration (mg/L):		7.76
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	101.15
DO Charge (DO ch):	Acceptable Range is 25 to 75	—
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	1.088495 slope

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]		
Calibration standard used (mS/cm)	Lot 21500094	1.413
Temperature (°C)		23.64
Reading before Calibration (mS/cm)		1.4020
Reading AFTER Calibration (mS/cm)		1.413
Conductivity Cell Constant (unitless):		0.991

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH		
pH 7.0 value before calibration:	Lot 2216893 11/23	6.98
pH 7.0 value after calibration:	23.56°C	7.00
pH 7.0 mV (range is -50 to +50 mV):		-9.0
pH 10 value before calibration:	Lot 21320202 12/23	9.99
pH 10 value after calibration:	23.38°C	10.00
pH 10 mV (range is -130 to -230 mV):		-179.5
pH 4.0 value before calibration:	Lot 22250153 11/23	3.99
pH 4.0 value after calibration:	23.36°C	4.00
pH 4.0 mV (range is 130 to 230 mV):		164.5

Note: Span between ph 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)		
Calibration Temperature (°C):	Lot 21390144 11/23	23.24
Theoretical Calibration standard (mV)	0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)	231.4
Reading before calibration (mV):		232.1
Reading after calibration (mV):		231.4

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY [Note: Lens wiper should be parked 180 degrees from the optics.]			
20 NTU Turbidity Standard	Lot A2231 12/23	Before Cal:	After Cal: 19.9
100 NTU Turbidity Standard	Lot A2239 12/23	Before Cal:	After Cal: 99.9
800 NTU Turbidity Standard	Lot A2231 12/23	Before Cal:	After Cal: 797
10 NTU Turbidity Check STD	Lot A2264 1/24	Before Cal:	After Cal: 10.0
_____ NTU Turbidity Check STD		Before Cal:	After Cal:

CALIBRATION SUCCESSFUL?

Hach 2100 Q: SN: 22090D00086

Date: 2-14-22  
 Time: 0630  
 Prepared By: EVER GUILLEN  
 Checked By: \_\_\_\_\_

WSP  
 Project No. 6122160170

Sonde ID: 966090  
 Handset ID: \_\_\_\_\_  
 Battery Voltage %: \_\_\_\_\_

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		22.33
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	1010.4 KB
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.39
DO concentration after Calibration (mg/L):		7.62
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	
DO Charge (DO ch):	Acceptable Range is 25 to 75	
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]		
Calibration standard used (mS/cm)	4.419 4.476	
Temperature (°C)	21.80	
Reading before Calibration (mS/cm)	-	
Reading AFTER Calibration (mS/cm)	4.479	
Conductivity Cell Constant (unitless):	1.075	

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH		
pH 7.0 value before calibration:		7.01
pH 7.0 value after calibration:		7.0
pH 7.0 mV (range is -50 to +50 mV):		-2.8
<del>pH 10 value before calibration:</del>		
<del>pH 10 value after calibration:</del>		
<del>pH 10 mV (range is -130 to -230 mV):</del>		
pH 4.0 value before calibration:		4.04
pH 4.0 value after calibration:		4.0
pH 4.0 mV (range is 130 to 230 mV):		169.8

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)		
Calibration Temperature (°C):		21.45
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)	228
Reading before calibration (mV):		223.3
Reading after calibration (mV):		237.8

Note: mV theory will change with temperature, so calculate based on your current temp.

**TURBIDITY** Note: Lens wiper should be parked 180 degrees from the optics.

10 NTU Turbidity Standard	Before Cal:	After Cal:	10.2
20 NTU Turbidity Standard	Before Cal:	After Cal:	19.9
100 NTU Turbidity Standard	Before Cal:	After Cal:	99.8
800 NTU Turbidity Check STD	Before Cal:	After Cal:	742
10 NTU Turbidity Check STD	Before Cal:	After Cal:	10.0

**CALIBRATION SUCCESSFUL?**

Date: 2-15-23  
 Time: 8:30  
 Prepared By: EVER GUILLEN  
 Checked By: \_\_\_\_\_

WSP  
 Project No. 6122160170

Sonde ID: 960090  
 Handset ID: AIR55  
 Battery Voltage %: 100

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		14.23
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; <b>subtract</b> 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	1016.8MMB
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	10.15
DO concentration after Calibration (mg/L):		8.94
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	-
DO Charge (DO ch):	Acceptable Range is 25 to 75	-
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	-

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]		
Calibration standard used (mS/cm)		1.413
Temperature (°C)		16.06
Reading before Calibration (mS/cm)		1.600
Reading AFTER Calibration (mS/cm)		1.413
Conductivity Cell Constant (unitless):		0.948

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH		
pH 7.0 value before calibration:	18.20	7.0
pH 7.0 value after calibration:		7.08
pH 7.0 mV (range is -50 to +50 mV):		-6.4
pH 10 value before calibration:	20.11	10.11
pH 10 value after calibration:		10.0
pH 10 mV (range is -130 to -230 mV):		-176.8
pH 4.0 value before calibration:	20.42	4.07
pH 4.0 value after calibration:		4.0
pH 4.0 mV (range is 130 to 230 mV):		165.0

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)		
Calibration Temperature (°C):		20.66
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)	22.8
Reading before calibration (mV):		232.6
Reading after calibration (mV):		234.8

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.			
<u>10</u> NTU Turbidity Standard	Before Cal:	10.4	After Cal: 10.0
<u>20</u> NTU Turbidity Standard	Before Cal:		After Cal: 20.1
<u>100</u> NTU Turbidity Standard	Before Cal:		After Cal: 101
<u>800</u> NTU Turbidity Check STD	Before Cal:		After Cal: 786
_____ NTU Turbidity Check STD	Before Cal:		After Cal:

CALIBRATION SUCCESSFUL?

Date: 2-16-23  
 Time: 900  
 Prepared By: EVER GUILLEN  
 Checked By: \_\_\_\_\_

WSP  
 Project No. 6122160170

Sonde ID: 966090  
 Handset ID: 41835  
 Battery Voltage %: 100

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes _____ No <input checked="" type="checkbox"/>	Date: _____ Time: _____
Current Air Temperature °C (meter reading):		18.60 19.15
Current Barometric Pressure (from Weather Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to enter into YSI DO calibration:	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every 100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	1015.2 mm Hg
Theoretical DO (mg/L) from DO table based on current temperature and elevation corrected pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	9.20
DO concentration after Calibration (mg/L):		8.49
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	-
DO Charge (DO ch):	Acceptable Range is 25 to 75	-
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	-

Note:

CONDUCTIVITY [Note: Calibrate before pH to avoid carry-over from pH standards (i.e. pH buffers are conductive)]		
Calibration standard used (mS/cm)		1.413
Temperature (°C)		17.05
Reading before Calibration (mS/cm)		1.482
Reading AFTER Calibration (mS/cm)		1.413
Conductivity Cell Constant (unitless):		0.904

Note: Be sure conductivity cell is submerged and free of bubbles (gently tap sonde on table)

pH		
pH 7.0 value before calibration:		6.93
pH 7.0 value after calibration:		7.0
pH 7.0 mV (range is -50 to +50 mV):		-5.8
pH 10 value before calibration:		9.86
pH 10 value after calibration:		10.0
pH 10 mV (range is -130 to -230 mV):		-175.0
pH 4.0 value before calibration:		4.03
pH 4.0 value after calibration:		4.0
pH 4.0 mV (range is 130 to 230 mV):		161.8

Note: Span between pH 4 and 7, and 7 and 10 should be between 165 to 180 mV

OXIDATION/REDUCTION POTENTIAL (ORP)		
Calibration Temperature (°C):		17.62
Theoretical Calibration standard (mV)	$0.231 + 0.0013(25 - T) \times 1000 = \text{mV}$ (T is Temperature °C)	22.8
Reading before calibration (mV):		240.7
Reading after calibration (mV):		238.7

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.		
<u>10</u> NTU Turbidity Standard	Before Cal: 10.2 After Cal:	10.0
<u>70</u> NTU Turbidity Standard	Before Cal: After Cal:	19.9
<u>100</u> NTU Turbidity Standard	Before Cal: After Cal:	99.7
<u>800</u> NTU Turbidity Check STD	Before Cal: After Cal:	78.8
<u>10</u> NTU Turbidity Check STD	Before Cal: After Cal:	10.0

CALIBRATION SUCCESSFUL?		
		YES



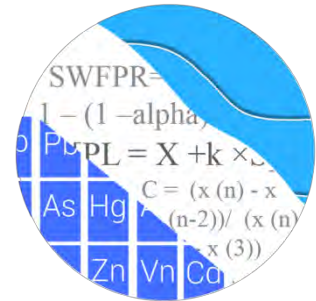
# APPENDIX C

## STATISTICAL ANALYSES





# GROUNDWATER STATS CONSULTING



February 28, 2023

Southern Company Services  
Attn: Mr. Joju Abraham  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308-3374

Re: Plant Mitchell Ash Pond  
August 2022 Semi-Annual Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2022 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical summary of groundwater data for Georgia Power Company's Plant Mitchell Ash Pond. 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 for the Appendix III parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. Semi-annual sampling of the majority of Appendix IV constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** PZ-1D, PZ-2D, PZ-31, and PZ-32
- **Downgradient wells:** PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-57

Note that well PZ-23 was abandoned and was replaced with well PZ-23A which was first sampled in March 2020. Since new well PZ-23A was installed in close proximity to well PZ-23, the data from the two wells were combined. Additionally, downgradient well PZ-57 was first sampled on January 2022 and has only been sampled twice. Data for this well were plotted on time series and box plots, and formal statistics will be conducted when a minimum of 4 samples are available for Appendix IV constituents and a minimum of 8 samples are available for Appendix III constituents.

During the August 2022 sample event, mercury for well PZ-25 and TDS for wells PZ-2D, PZ-25, and PZ-32 exceeded their hold time and were resampled in October 2022. Per request of WSP, the samples that exceeded their hold time for mercury and TDS were not included in the data base. Resamples were also collected for pH at wells PZ-2D, PZ-25, and PZ-32 and both the August 2022 and October 2022 observations were included in the database.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting.

The Coal Combustion Residuals (CCR) program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. Summaries of well/constituent pairs with 100% non-detects since 2016 for Appendix IV constituents follow this letter.

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).

Based on the previous screening, described below, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method 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 report to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. 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.

### **Summary of Statistical Methods – Appendix III and IV Parameters:**

Based on the March 2019 evaluation for state and federal regulatory requirements described below, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) 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 following approaches are used for handling non-detects (USEPA, 2009):

- 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 in background, 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. 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.

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, the earlier portion of data are deselected 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.

## **Summary of Initial Background Screening – Conducted in March 2019**

### Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. 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, several outliers were identified and the reports were submitted with the screening. In cases where the most recent value was identified as an outlier, values were not flagged in the database at that time as they may represent a future 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 a few of these values were flagged in the database as all other values were similar to remaining measurements within a given well or neighboring wells or were non-detects.

When any values are flagged in the database as outliers, they 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 Test Evaluation

While trends may be visual, 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, and the reports were submitted with the screening. 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 decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical 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 previous screening and showed one statistically significant decreasing trend for chloride at well PZ-25. This trend was relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data set.

## Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for boron and fluoride, making these constituents eligible for interwell analyses. Variation was noted for calcium, chloride, pH, sulfate and TDS. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

### **Statistical Analysis of Appendix III Parameters – August 2022 Sample Event**

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed using time series for potential outliers during this analysis. No new values were flagged as outlier and a summary of previously flagged outliers follows this report (Figure C). Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the time series graphs.

#### Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August 2022 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The August 2022 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. The following interwell prediction limit exceedances were noted for the Appendix III parameters:

- Boron: PZ-15, PZ-16, PZ-18, PZ-19, PZ-25, PZ-33, PZ-7D
- Calcium: PZ-18, PZ-19, PZ-23A
- Chloride: PZ-14, PZ-15, PZ-16, PZ-18, PZ-19
- pH: PZ-14, PZ-18, PZ-19, PZ-23A
- Sulfate: PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-7D
- TDS: PZ-15, PZ-17, PZ-18, PZ-19, PZ-23A, and PZ-7D

#### October 2022 Resample Event

An additional set of interwell prediction limits were constructed using pooled upgradient well data through October 2022 to evaluate the October 2022 resample observations for pH and TDS at downgradient wells PZ-2D, PZ-25, and PZ-32 (Figure E). No exceedances were identified.

#### Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). 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. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report. Statistically significant trends were identified for the following downgradient and associated upgradient well/constituent pairs:

##### Increasing:

- Calcium: PZ-18, PZ-31 (upgradient), and PZ-32 (upgradient)
- Sulfate: PZ-14 and PZ-23A

##### Decreasing:

- Boron: PZ-33 and PZ-7D
- Chloride: PZ-16, PZ-18, PZ-19, and PZ-31 (upgradient)

- Sulfate: PZ-2D (upgradient), PZ-16, PZ-19, PZ-25, PZ-31 (upgradient), PZ-33, and PZ-7D
- TDS PZ-17 and PZ-7D

## **Statistical Analysis of Appendix IV Parameters – August 2022 Sample & October 2022 Resample Events**

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient well/constituent pairs containing 100% non-detects do not require analysis. Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. No new values were flagged and a summary of previously flagged outliers follows this report (Figure C).

### Interwell Upper Tolerance Limits

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2022 to determine the Alternate Contaminant Level (ACL) for each Appendix IV constituent (Figure G). Parametric limits are constructed when data follow a normal or transformed-normal distribution with a target of 95% confidence and 95% coverage. When data contain greater than 50% non-detects or do not follow a normal or transformed-normal distribution, non-parametric tolerance limits are used.

### Groundwater Protection Standards

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

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)



- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

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

### Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents using data through August 2022 in accordance with the state requirements in each downgradient well (Figure I). Note that data through October 2022 were used for mercury PZ-25 confidence interval. As mentioned above, well/constituent pairs containing 100% non-detects did not require analysis. All downgradient wells contained 100% non-detects for beryllium; therefore, this constituent was not analyzed. The Sanitas software was used to calculate the tolerance limits and the confidence intervals. The confidence intervals were compared to the GWPS established using the Georgia EPD Rules 391-3-4-.10(6)(a). 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. No exceedances were identified and summaries and graphical results of the confidence intervals analyses follow this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Mitchell Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins  
Project Manager



Kristina L. Rayner  
Senior Statistician



Easton Rayner  
Groundwater Analyst

# 100% Non-Detects: Appendix IV Downgradient

Analysis Run 11/18/2022 3:22 PM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

Antimony (mg/L)  
PZ-25

Arsenic (mg/L)  
PZ-16, PZ-18, PZ-7D

Beryllium (mg/L)  
PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-7D

Cadmium (mg/L)  
PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-25, PZ-7D

Chromium (mg/L)  
PZ-15, PZ-17, PZ-25

Cobalt (mg/L)  
PZ-7D

Lead (mg/L)  
PZ-14, PZ-17, PZ-25

Lithium (mg/L)  
PZ-16, PZ-33

Molybdenum (mg/L)  
PZ-18, PZ-33, PZ-7D

Selenium (mg/L)  
PZ-16, PZ-17, PZ-18, PZ-25, PZ-33

# Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02661	n/a	8/25/2022	0.21	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02661	n/a	8/25/2022	0.24	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02661	n/a	8/25/2022	0.39	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02661	n/a	8/25/2022	0.58	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02661	n/a	8/24/2022	0.19	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02661	n/a	8/24/2022	0.32	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02661	n/a	8/25/2022	0.2	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	109.6	n/a	8/25/2022	141	Yes	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	109.6	n/a	8/25/2022	156	Yes	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	109.6	n/a	8/25/2022	145	Yes	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-14	4.526	n/a	8/25/2022	4.6	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.526	n/a	8/25/2022	6.4	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.526	n/a	8/25/2022	6.3	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.526	n/a	8/25/2022	4.6	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-19	4.526	n/a	8/25/2022	4.6	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-14	9.48	6.96	8/25/2022	6.93	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-18	9.48	6.96	8/25/2022	6.76	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	8/25/2022	6.67	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	8/25/2022	6.76	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	6.172	n/a	8/25/2022	10.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.172	n/a	8/25/2022	75.5	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.172	n/a	8/25/2022	38.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.172	n/a	8/25/2022	62.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.172	n/a	8/25/2022	96.3	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.172	n/a	8/25/2022	84.4	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.172	n/a	8/25/2022	45.6	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.172	n/a	8/24/2022	35.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.172	n/a	8/24/2022	34.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.172	n/a	8/25/2022	47.3	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	309.4	n/a	8/25/2022	319	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	309.4	n/a	8/25/2022	321	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	309.4	n/a	8/25/2022	446	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	309.4	n/a	8/25/2022	528	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	309.4	n/a	8/25/2022	437	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	309.4	n/a	8/25/2022	325	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2

# Interwell Prediction Limits - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 11/21/2022, 10:41 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	PZ-14	0.02661	n/a	8/25/2022	0.032J	No	64	-4.313	0.3429	9.375	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-15</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.21</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-16</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.24</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Boron (mg/L)	PZ-17	0.02661	n/a	8/25/2022	0.19J	No	64	-4.313	0.3429	9.375	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-18</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.39</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-19</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.58</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Boron (mg/L)	PZ-23A	0.02661	n/a	8/25/2022	0.17J	No	64	-4.313	0.3429	9.375	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-25</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/24/2022</b>	<b>0.19</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-33</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/24/2022</b>	<b>0.32</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.2</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-14	109.6	n/a	8/25/2022	108	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	109.6	n/a	8/25/2022	96.7	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	109.6	n/a	8/25/2022	92	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	109.6	n/a	8/25/2022	99.5	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>109.6</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>141</b>	<b>Yes</b>	<b>63</b>	<b>56.47</b>	<b>26.52</b>	<b>1.587</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-19</b>	<b>109.6</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>156</b>	<b>Yes</b>	<b>63</b>	<b>56.47</b>	<b>26.52</b>	<b>1.587</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-23A</b>	<b>109.6</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>145</b>	<b>Yes</b>	<b>63</b>	<b>56.47</b>	<b>26.52</b>	<b>1.587</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-25	109.6	n/a	8/24/2022	87.6	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	109.6	n/a	8/24/2022	96.5	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	109.6	n/a	8/25/2022	107	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
<b>Chloride (mg/L)</b>	<b>PZ-14</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>4.6</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-15</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>6.4</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>6.3</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-17	4.526	n/a	8/25/2022	3.9	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>4.6</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-19</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>4.6</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-23A	4.526	n/a	8/25/2022	3.2	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-25	4.526	n/a	8/24/2022	1.8	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-33	4.526	n/a	8/24/2022	1.8	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	4.526	n/a	8/25/2022	4.1	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	8/25/2022	0.051J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	8/25/2022	0.074J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	8/25/2022	0.058J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	8/25/2022	0.078J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	8/25/2022	0.052J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	8/25/2022	0.086J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	8/25/2022	0.074J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	8/24/2022	0.15	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	8/24/2022	0.092J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	8/25/2022	0.056J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-14</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.93</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
pH (SU)	PZ-15	9.48	6.96	8/25/2022	7.15	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-16	9.48	6.96	8/25/2022	7.14	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	8/25/2022	7.05	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-18</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.76</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-19</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.67</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-23A</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.76</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
pH (SU)	PZ-25	9.48	6.96	8/24/2022	7.1	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	8/24/2022	7.1	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	8/25/2022	6.98	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>10.7</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-15</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>75.5</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>38.7</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-17</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>62.7</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-18</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>96.3</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>

# Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	PZ-19	6.172	n/a	8/25/2022	84.4	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.172	n/a	8/25/2022	45.6	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.172	n/a	8/24/2022	35.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.172	n/a	8/24/2022	34.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.172	n/a	8/25/2022	47.3	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-14	309.4	n/a	8/25/2022	259	No	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	309.4	n/a	8/25/2022	319	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	309.4	n/a	8/25/2022	90	No	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	309.4	n/a	8/25/2022	321	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	309.4	n/a	8/25/2022	446	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	309.4	n/a	8/25/2022	528	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	309.4	n/a	8/25/2022	437	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-33	309.4	n/a	8/24/2022	265	No	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	309.4	n/a	8/25/2022	325	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2

# Interwell Prediction Limits - Resample Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:43 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	PZ-25	9.48	6.96	10/11/2022	7.13	No	66	n/a	n/a	0	n/a	n/a	0.0008751	NP Inter (normality) 1 of 2
TDS (mg/L)	PZ-25	307.8	n/a	10/11/2022	267	No	64	171.6	67.98	0	None	No	0.0007523	Param Inter 1 of 2

# Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-33	-0.01244	-78	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D	-0.0341	-84	-58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	4.478	83	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	2.442	69	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-32 (bg)	1.939	70	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16	-0.347	-76	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18	-0.3988	-82	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-19	-0.5273	-93	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.3431	-86	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.677	83	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16	-2.677	-81	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19	-1.705	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	4.222	84	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-2.516	-92	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)	-0.6424	-70	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-0.9633	-91	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-12.82	-108	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D	-2.016	-59	-58	Yes	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-17	-16.07	-64	-58	Yes	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D	-12.16	-60	-58	Yes	16	0	n/a	n/a	0.01	NP

# Trend Tests - Prediction Limit Exceedances - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 11/21/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-15	-0.002875	-25	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	10	58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18	0.003907	18	58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.02163	-42	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0003842	12	58	No	16	6.25	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25	-0.005259	-41	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	-0.001017	-43	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0	-1	-58	No	16	25	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	0	-1	-58	No	16	6.25	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>PZ-33</b>	<b>-0.01244</b>	<b>-78</b>	<b>-68</b>	<b>Yes</b>	<b>18</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>-0.0341</b>	<b>-84</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>4.478</b>	<b>83</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-19	0.9209	11	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)	1.612	53	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-23A	2.968	52	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	2.155	30	58	No	16	6.25	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>2.442</b>	<b>69</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-32 (bg)</b>	<b>1.939</b>	<b>70</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-14	-0.1076	-35	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15	-0.2275	-52	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>-0.347</b>	<b>-76</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>-0.3988</b>	<b>-82</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-19</b>	<b>-0.5273</b>	<b>-93</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-1D (bg)	-0.08315	-47	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.05458	-36	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.3431</b>	<b>-86</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-32 (bg)	-0.1674	-58	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	PZ-14	0.009753	13	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.01313	-37	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0.007961	14	68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)	-0.01661	-30	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.014	24	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.2384	-28	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	-0.003316	-10	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	0.004191	11	74	No	19	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>1.677</b>	<b>83</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-15	0.4002	12	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>-2.677</b>	<b>-81</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-17	-5.533	-57	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-18	-1.22	-27	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-19</b>	<b>-1.705</b>	<b>-61</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-1D (bg)	0	6	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-23A</b>	<b>4.222</b>	<b>84</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-25</b>	<b>-2.516</b>	<b>-92</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-2D (bg)</b>	<b>-0.6424</b>	<b>-70</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.9633</b>	<b>-91</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-32 (bg)	-0.02024	-16	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-33</b>	<b>-12.82</b>	<b>-108</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-7D</b>	<b>-2.016</b>	<b>-59</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
TDS (mg/L)	PZ-15	4.115	21	58	No	16	0	n/a	n/a	0.01	NP
<b>TDS (mg/L)</b>	<b>PZ-17</b>	<b>-16.07</b>	<b>-64</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
TDS (mg/L)	PZ-18	2.236	13	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19	-10.13	-32	-58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)	2.035	21	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	6.692	52	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	1.433	4	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	0	-1	-58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	2.04	23	58	No	16	0	n/a	n/a	0.01	NP
<b>TDS (mg/L)</b>	<b>PZ-7D</b>	<b>-12.16</b>	<b>-60</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>



# Upper Tolerance Limit Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig. Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0035	n/a	n/a	n/a	n/a 64	n/a	n/a	54.69	n/a	n/a	0.03752	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 56	n/a	n/a	85.71	n/a	n/a	0.05656	NP Inter(NDs)
Barium (mg/L)	n/a	0.04787	n/a	n/a	n/a	n/a 64	-4.397	0.6775	1.563	None	ln(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 48	n/a	n/a	95.83	n/a	n/a	0.08526	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 48	n/a	n/a	100	n/a	n/a	0.08526	NP Inter(NDs)
Chromium (mg/L)	n/a	0.009976	n/a	n/a	n/a	n/a 64	0.05165	0.02407	25	Kaplan-Meier	sqrt(x)	0.05	Inter
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 64	n/a	n/a	96.88	n/a	n/a	0.03752	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.662	n/a	n/a	n/a	n/a 62	0.7165	0.2849	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.29	n/a	n/a	n/a	n/a 68	n/a	n/a	47.06	n/a	n/a	0.03056	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 64	n/a	n/a	79.69	n/a	n/a	0.03752	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	n/a 64	n/a	n/a	79.69	n/a	n/a	0.03752	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a 56	n/a	n/a	89.29	n/a	n/a	0.05656	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a 64	n/a	n/a	78.13	n/a	n/a	0.03752	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 64	n/a	n/a	100	n/a	n/a	0.03752	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 64	n/a	n/a	90.63	n/a	n/a	0.03752	NP Inter(NDs)

<b>PLANT MITCHELL ASH POND GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.0035	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.048	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.01	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.66	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
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		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*

# Confidence Intervals - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 11:01 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	16	0.002838	0.00065	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	16	0.002726	0.0007512	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	16	0.002836	0.0006575	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	16	0.002569	0.0009303	81.25	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.003	0.0018	0.006	No	16	0.002825	0.0004837	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	16	0.00284	0.00064	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	16	0.002755	0.0007115	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	16	0.002699	0.0008256	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-7D	0.003	0.00042	0.006	No	16	0.002501	0.001073	81.25	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	14	0.004702	0.001114	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	14	0.004114	0.001764	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	14	0.00408	0.001828	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	14	0.004693	0.001149	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00036	0.01	No	14	0.004669	0.00124	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.001	0.01	No	14	0.00386	0.001885	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.00094	0.01	No	14	0.004403	0.001519	85.71	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-14	0.03145	0.01661	2	No	16	0.02474	0.01324	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-15	0.076	0.048	2	No	16	0.05913	0.01516	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.0467	0.034	2	No	16	0.04293	0.0132	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07887	0.07041	2	No	16	0.07464	0.006501	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.029	0.023	2	No	16	0.0295	0.01319	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05859	0.05228	2	No	16	0.05543	0.004848	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.05067	0.03709	2	No	16	0.04388	0.01044	0	None	No	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	16	0.1051	0.006471	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.07063	0.04977	2	No	15	0.0602	0.01539	0	None	No	0.01	Param.
Barium (mg/L)	PZ-7D	0.009796	0.006842	2	No	16	0.008319	0.00227	0	None	No	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	12	0.00045	0.0001168	83.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	12	0.0004667	0.0001155	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-14	0.005	0.0011	0.1	No	16	0.003334	0.001954	56.25	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.00087	0.1	No	16	0.002769	0.002042	43.75	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-18	0.005	0.00056	0.1	No	16	0.004722	0.00111	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	16	0.004733	0.001067	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.002196	0.001274	0.1	No	16	0.002537	0.001455	18.75	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	16	0.004794	0.000825	93.75	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.002159	0.0008284	0.1	No	16	0.002762	0.001782	31.25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	16	0.004519	0.001351	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0005	0.006	No	16	0.003625	0.002114	68.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	16	0.004719	0.001125	93.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0005	0.006	No	16	0.003351	0.002204	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	16	0.004756	0.000975	93.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	16	0.004506	0.00135	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.00058	0.006	No	16	0.003615	0.002124	68.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.0018	0.0008	0.006	No	16	0.001547	0.001003	6.25	None	No	0.01	NP (normality)
Cobalt (mg/L)	PZ-33	0.005	0.0007	0.006	No	16	0.003614	0.002015	62.5	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.9475	0.3298	5	No	16	0.687	0.5554	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.066	0.6938	5	No	16	0.8973	0.3291	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.8728	0.4454	5	No	16	0.6591	0.3284	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.183	0.6143	5	No	15	0.8987	0.4198	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	1.173	0.4239	5	No	14	0.7987	0.5292	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.34	0.7215	5	No	16	1.031	0.4756	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.197	0.7349	5	No	16	0.9661	0.3554	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.183	0.7453	5	No	16	0.9644	0.3368	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	1.009	0.5396	5	No	16	0.7743	0.3608	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.6104	0.2246	5	No	16	0.4462	0.3344	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-14	0.11	0.056	4	No	17	0.08865	0.02518	58.82	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-15	0.1172	0.07172	4	No	17	0.1075	0.04446	35.29	Kaplan-Meier	ln(x)	0.01	Param.

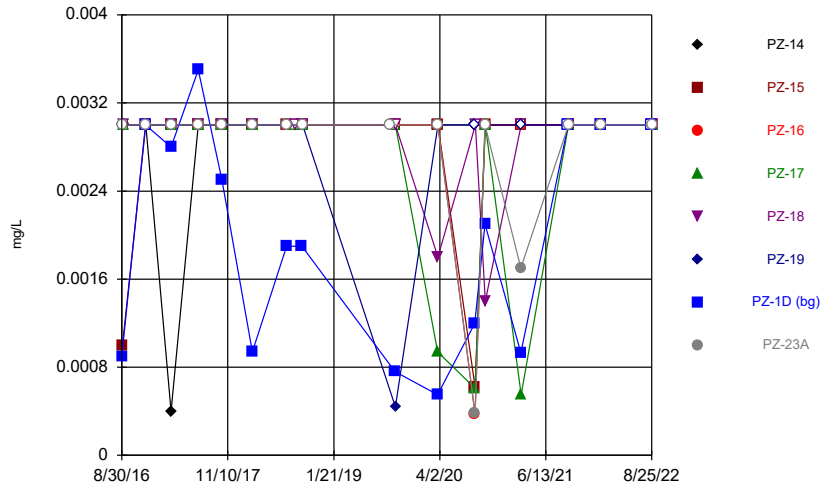
# Confidence Intervals - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 11:01 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-16	0.1	0.053	4	No	17	0.08359	0.0241	58.82	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1252	0.05759	4	No	17	0.118	0.06353	35.29	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.08	4	No	17	0.09947	0.03486	52.94	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.14	0.064	4	No	17	0.1087	0.07546	11.76	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.13	0.057	4	No	17	0.09918	0.05772	41.18	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-25	0.2402	0.1492	4	No	17	0.1947	0.07264	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.092	4	No	17	0.1054	0.04146	58.82	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-7D	0.15	0.056	4	No	17	0.08835	0.03076	64.71	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	16	0.0009406	0.0002375	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	16	0.0009426	0.0002298	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	16	0.0009045	0.0002704	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	16	0.0009401	0.0002395	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	16	0.0008284	0.0003694	81.25	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	16	0.0008836	0.0003183	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	16	0.0009401	0.0002398	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	16	0.02831	0.00675	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.03	0.0012	0.04	No	16	0.01026	0.01375	31.25	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-17	0.003	0.002	0.04	No	16	0.005794	0.009456	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0024	0.04	No	16	0.006131	0.009322	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01455	0.01057	0.04	No	16	0.01256	0.00306	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.001	0.04	No	16	0.02094	0.01388	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006908	0.005581	0.04	No	16	0.006188	0.001108	0	None	x^2	0.01	Param.
Lithium (mg/L)	PZ-7D	0.0038	0.0023	0.04	No	16	0.004594	0.006797	6.25	None	No	0.01	NP (normality)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	14	0.0001871	0.00003625	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	14	0.0001926	0.00002753	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	14	0.0001906	0.00003528	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	14	0.0001919	0.00003047	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	14	0.0001898	0.00003822	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	14	0.0001818	0.00004754	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	14	0.00019	0.00002987	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.000053	0.002	No	14	0.0001895	0.00003929	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	14	0.000171	0.00005965	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	14	0.0001795	0.00005213	85.71	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	16	0.009406	0.002375	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	16	0.0094	0.0024	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	16	0.0094	0.0024	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	16	0.0094	0.0024	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0025	0.002	0.1	No	16	0.002669	0.001969	6.25	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	16	0.008856	0.003127	87.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.001	0.1	No	16	0.009437	0.00225	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	16	0.004544	0.001248	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	16	0.0048	0.0008	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.005	0.0019	0.05	No	16	0.00385	0.001328	43.75	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-23A	0.005	0.0023	0.05	No	16	0.0035	0.00141	43.75	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-7D	0.005	0.0018	0.05	No	16	0.003987	0.001551	68.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	16	0.0009413	0.000235	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.0002	0.002	No	16	0.0007006	0.0004001	62.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.00018	0.002	No	16	0.0006877	0.0004177	62.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00022	0.002	No	16	0.0006444	0.0003726	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	16	0.0008226	0.0003815	81.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0007268	0.0004869	0.002	No	16	0.0006069	0.0001843	6.25	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00016	0.002	No	16	0.000545	0.0004167	43.75	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-25	0.001	0.00036	0.002	No	16	0.0006963	0.0003262	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00015	0.002	No	16	0.0007269	0.0004188	68.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-7D	0.001	0.0001	0.002	No	16	0.0007227	0.0004256	68.75	None	No	0.01	NP (NDs)

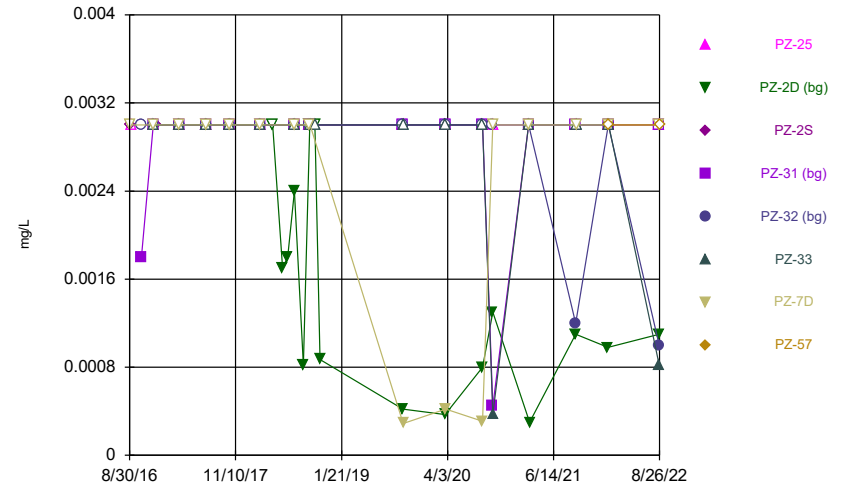
FIGURE A.

Time Series



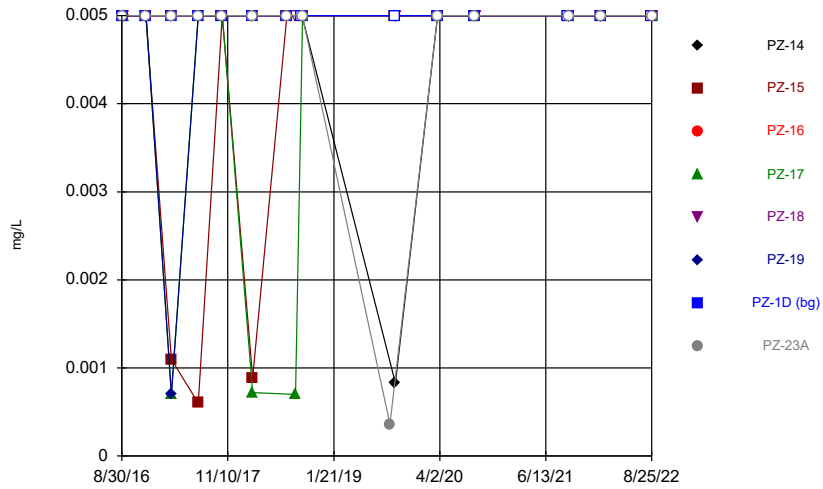
Constituent: Antimony Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



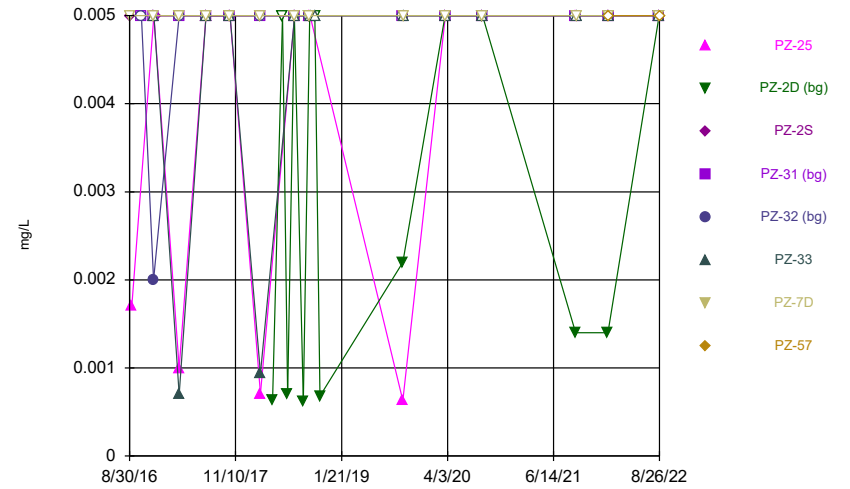
Constituent: Antimony Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



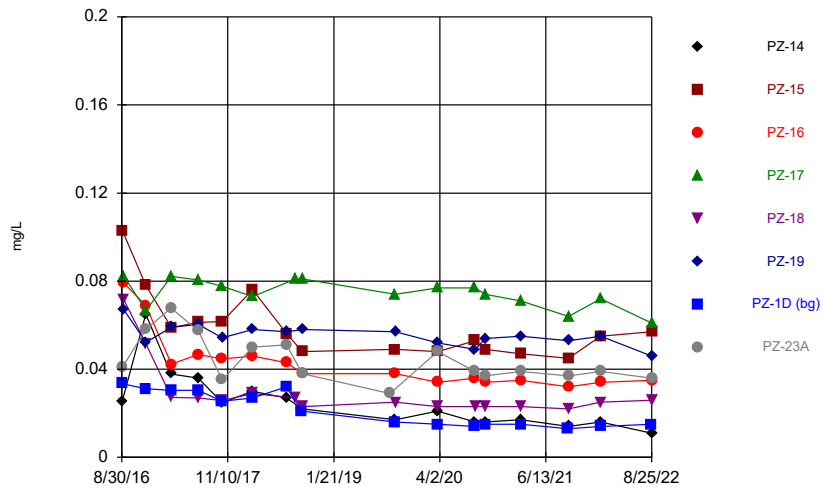
Constituent: Arsenic Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



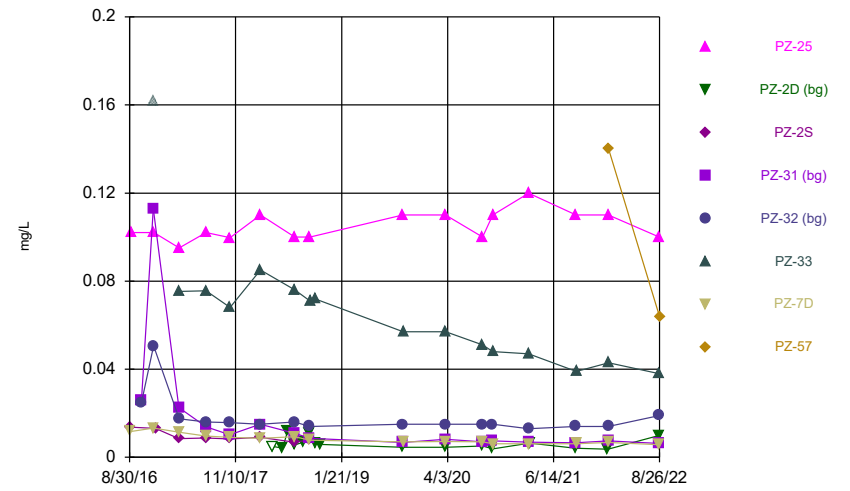
Constituent: Arsenic Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



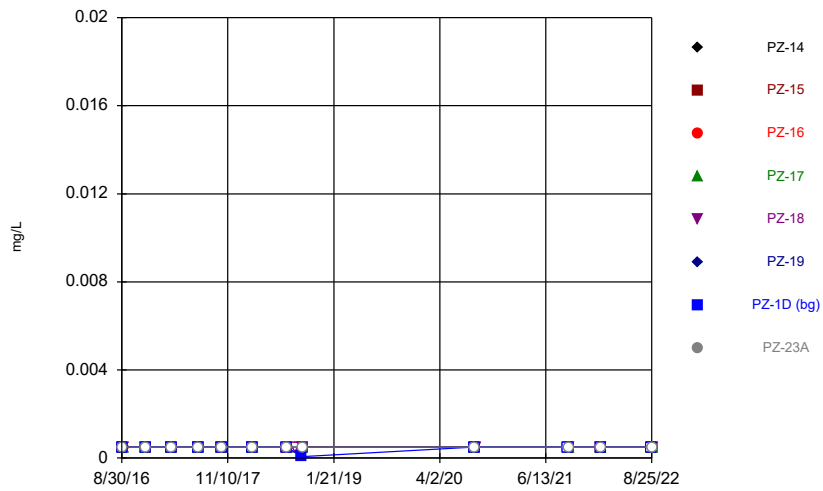
Constituent: Barium Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



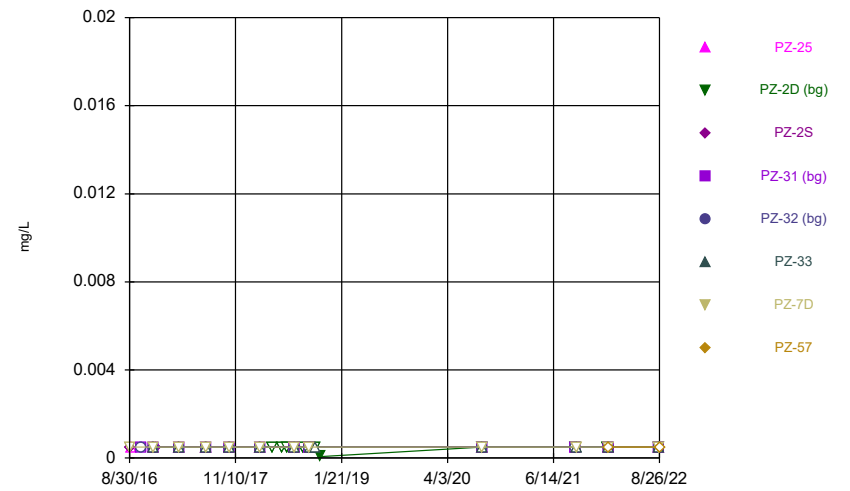
Constituent: Barium Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



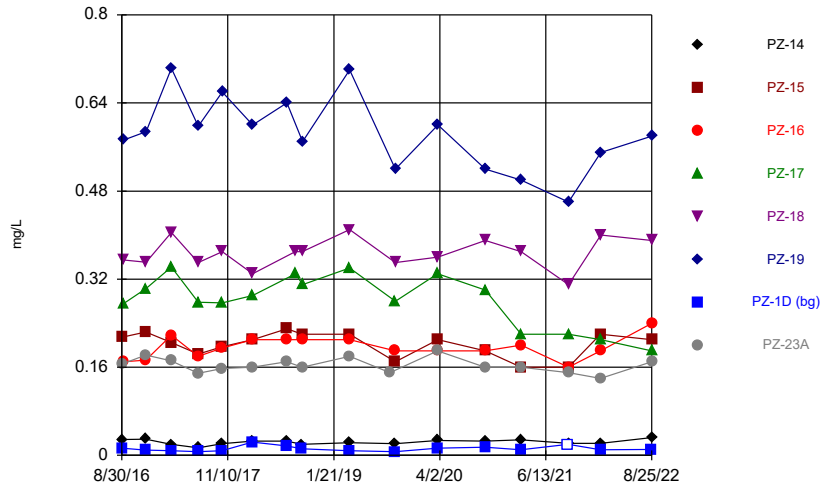
Constituent: Beryllium Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



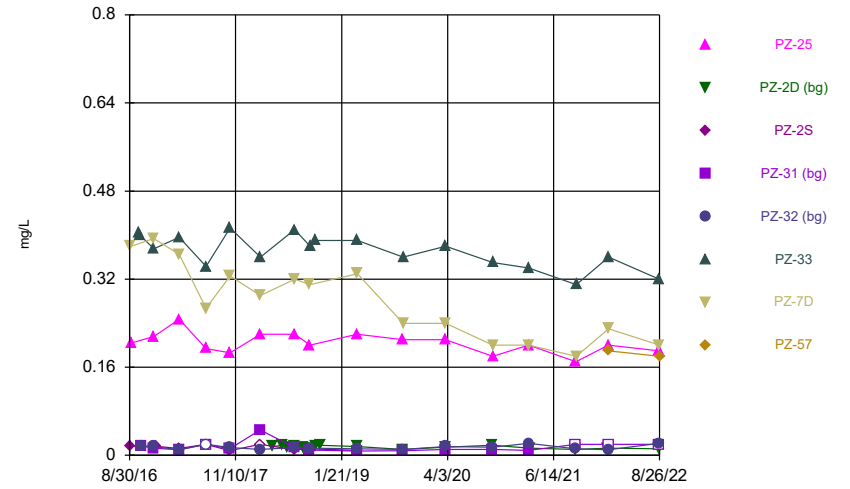
Constituent: Beryllium Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



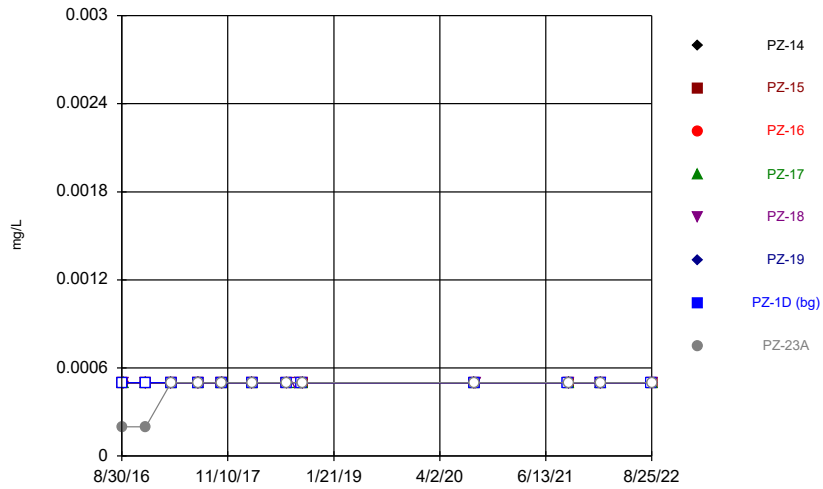
Constituent: Boron Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



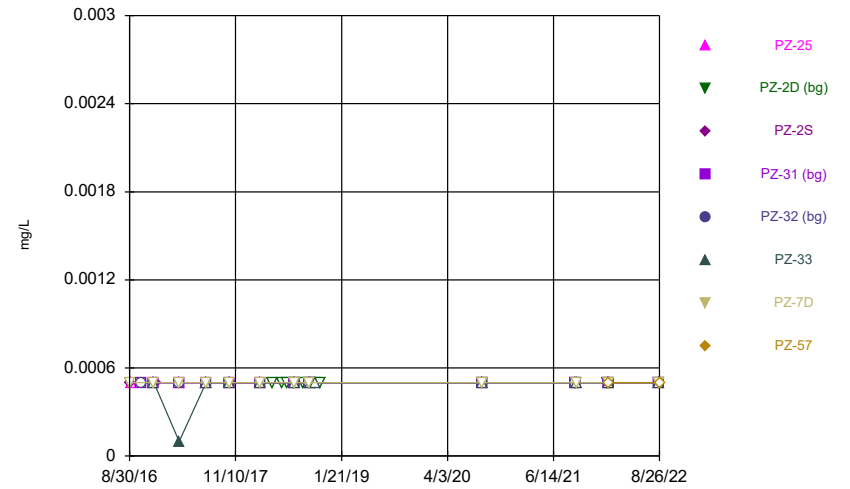
Constituent: Boron Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Cadmium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

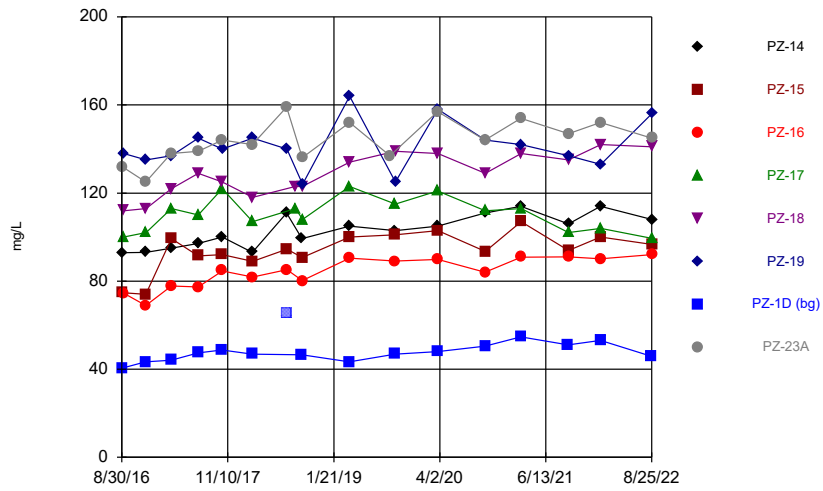
Time Series



Constituent: Cadmium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

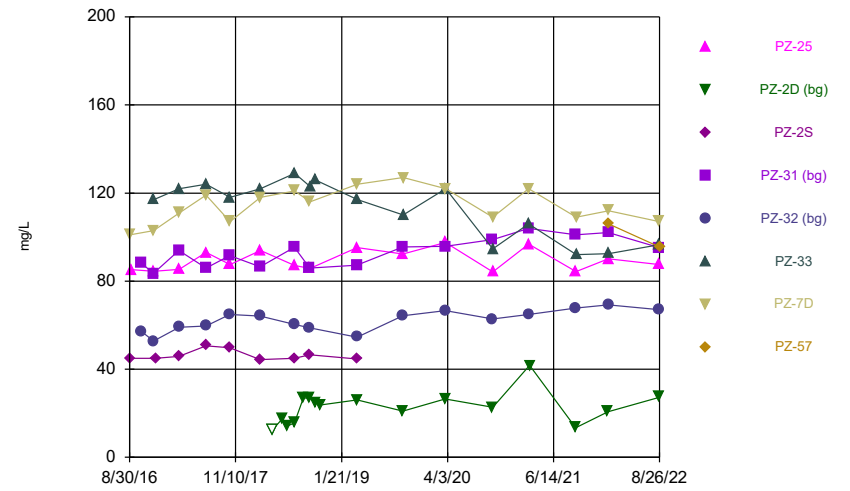


Time Series



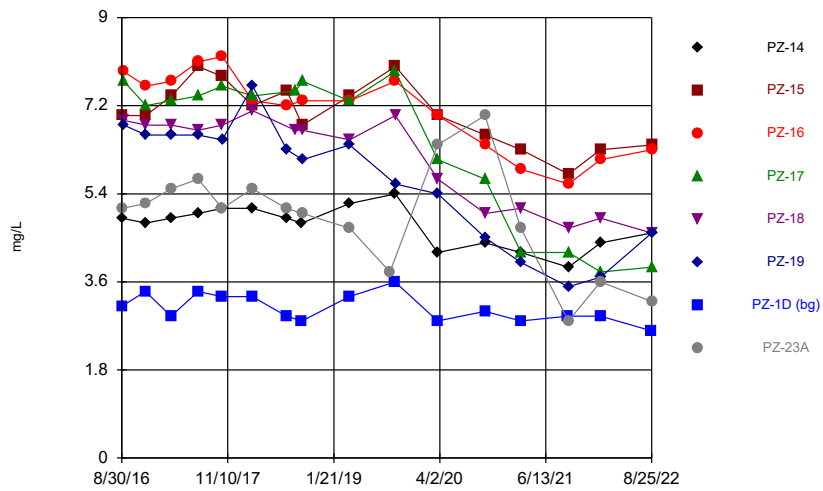
Constituent: Calcium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



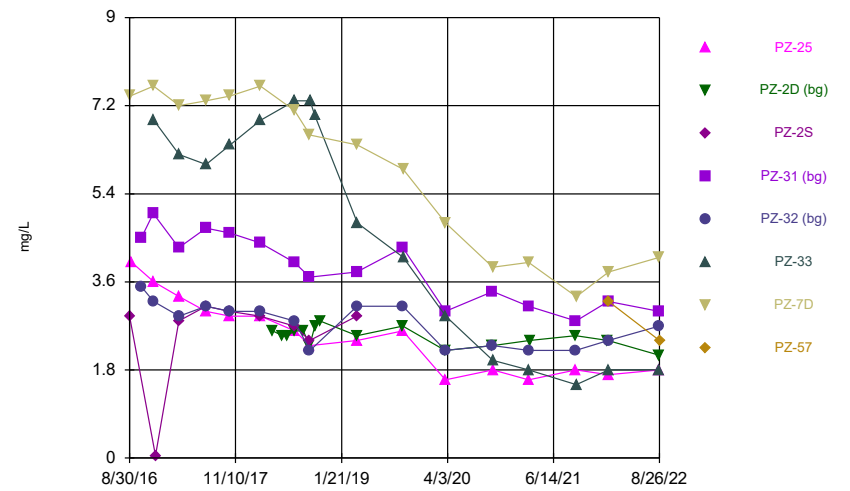
Constituent: Calcium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



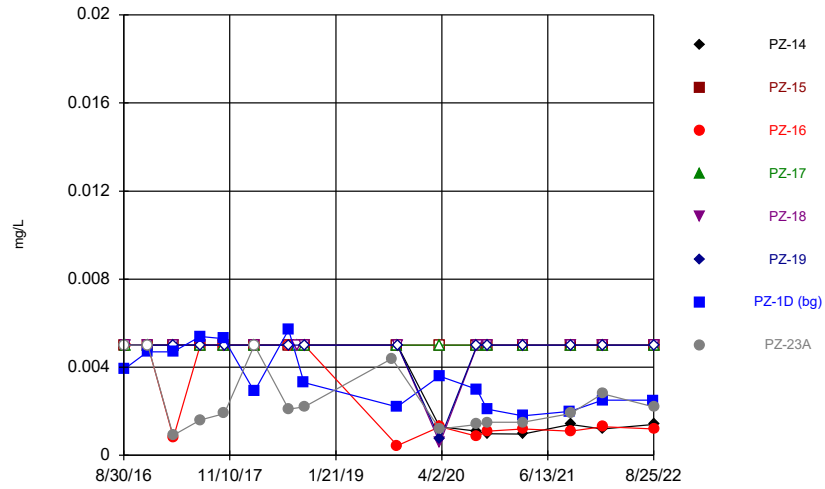
Constituent: Chloride Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



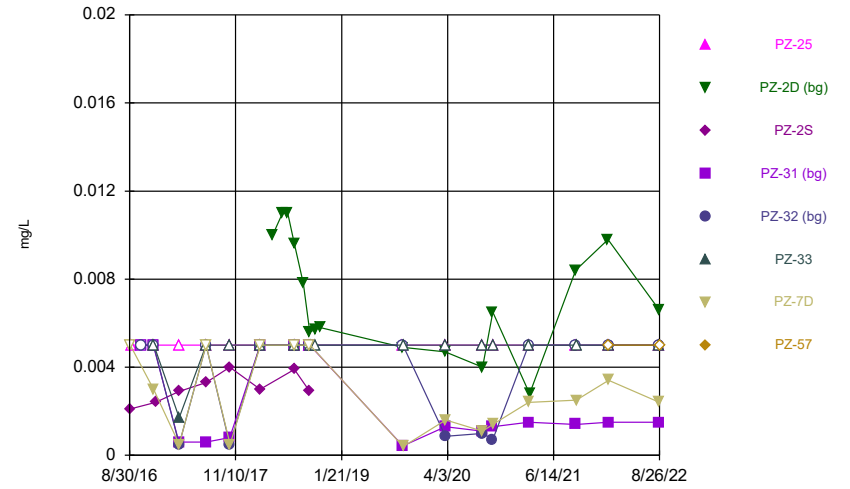
Constituent: Chloride Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



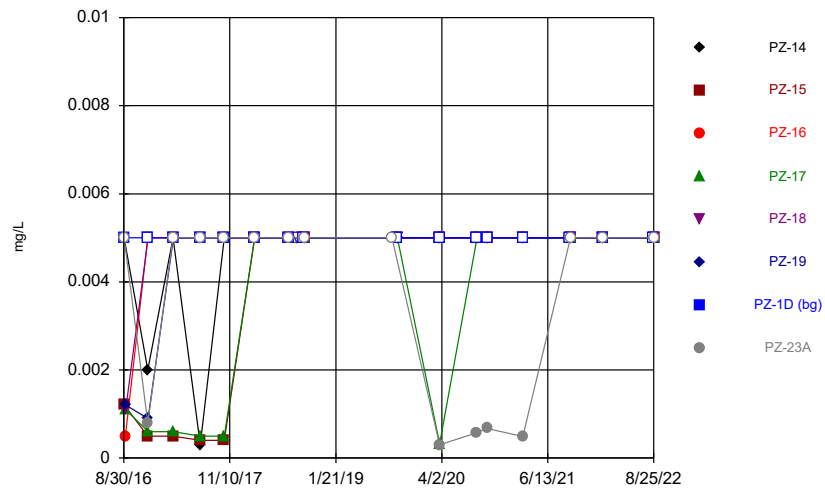
Constituent: Chromium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



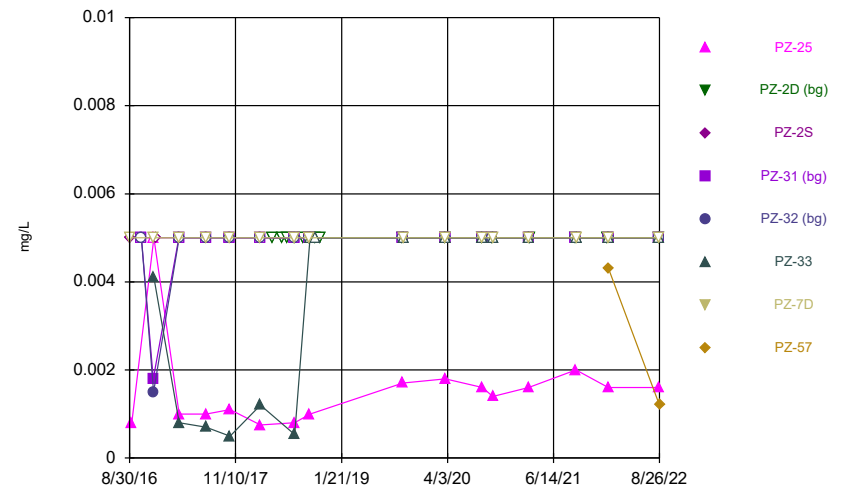
Constituent: Chromium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



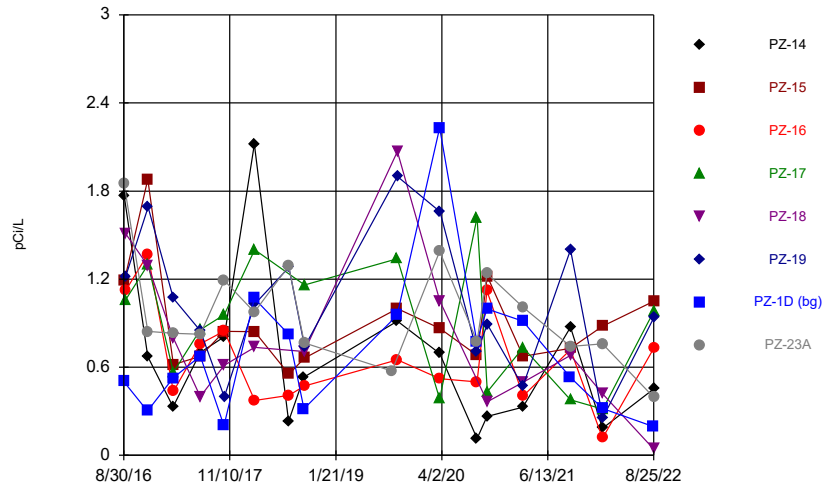
Constituent: Cobalt Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



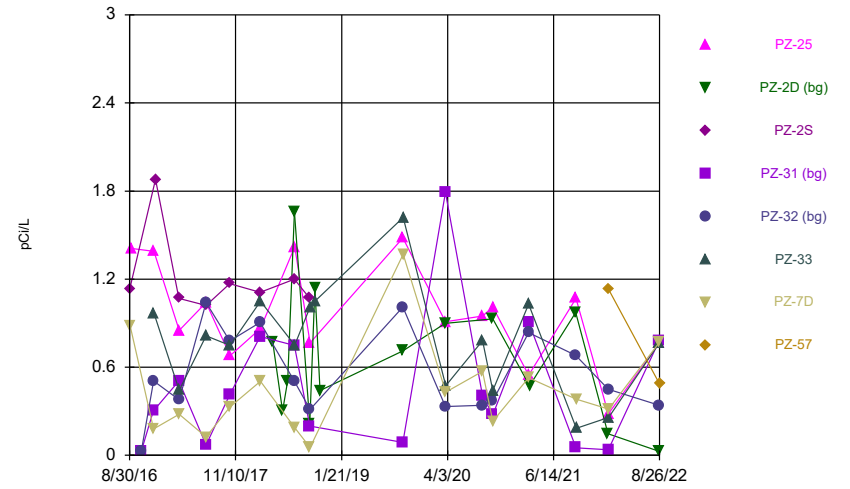
Constituent: Cobalt Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



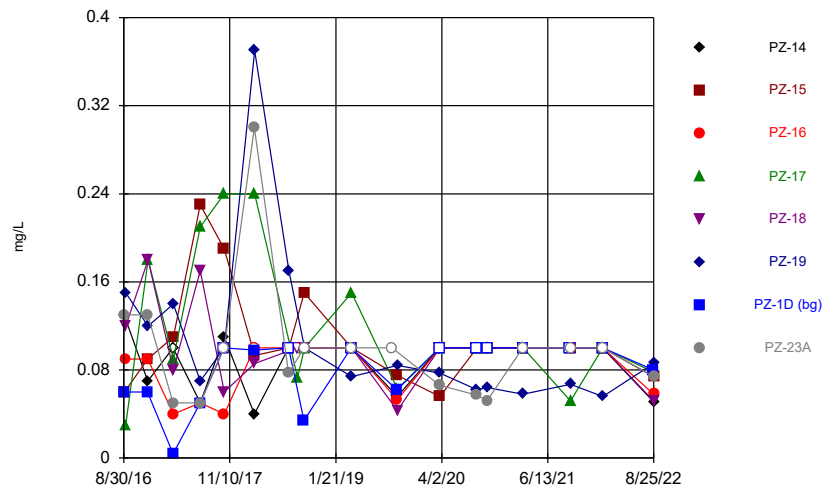
Constituent: Combined Radium 226 + 228 Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



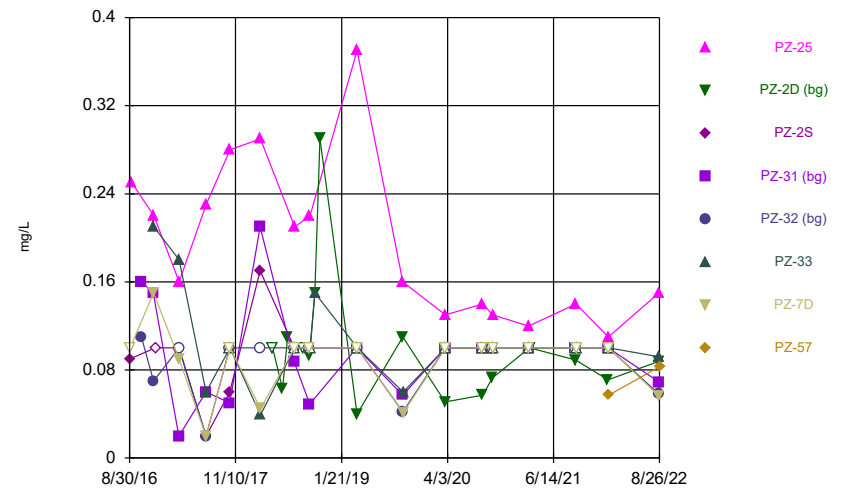
Constituent: Combined Radium 226 + 228 Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



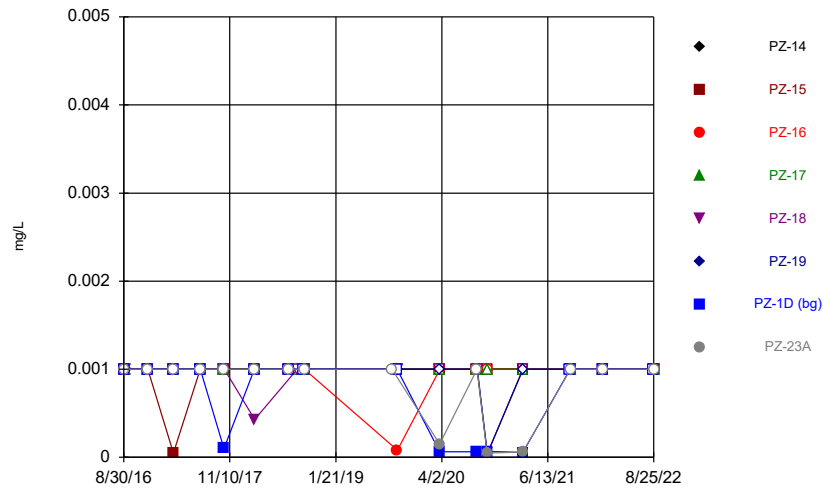
Constituent: Fluoride Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



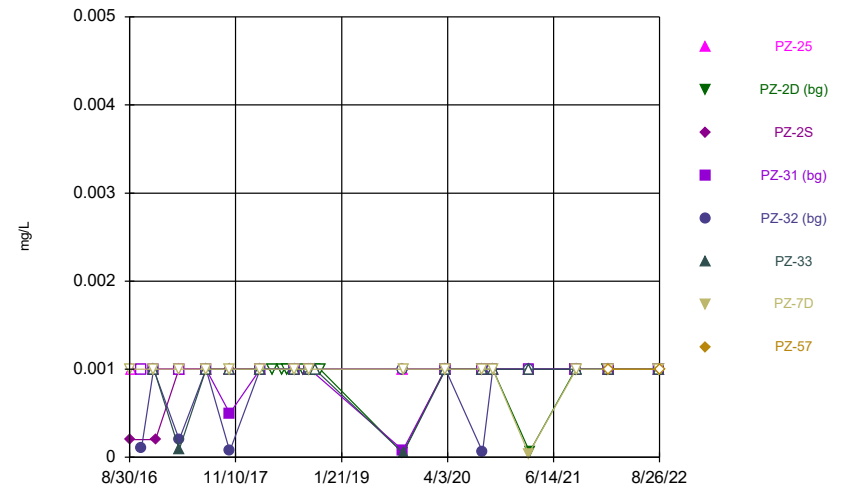
Constituent: Fluoride Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



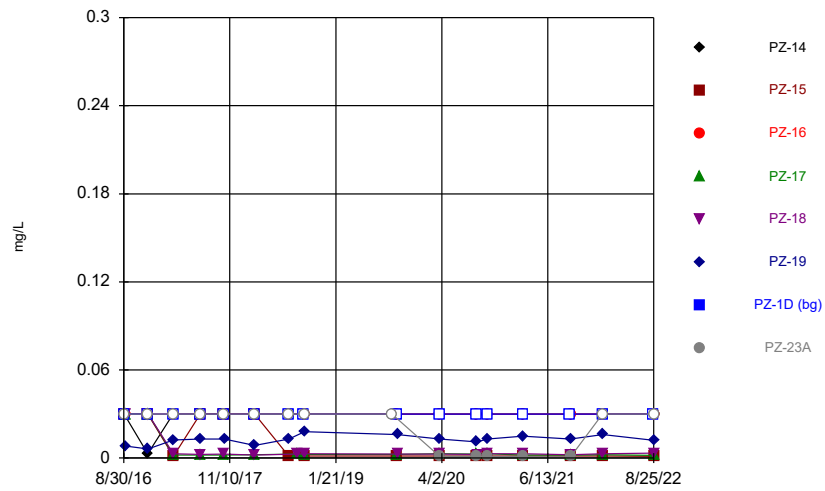
Constituent: Lead Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



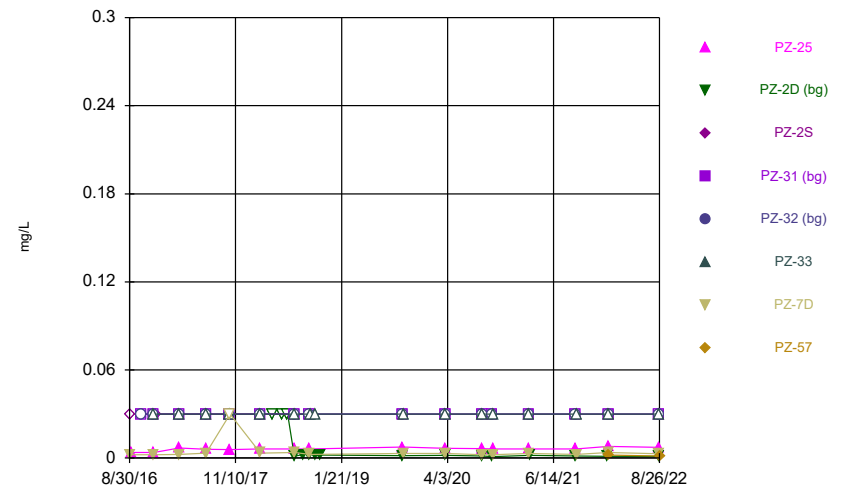
Constituent: Lead Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



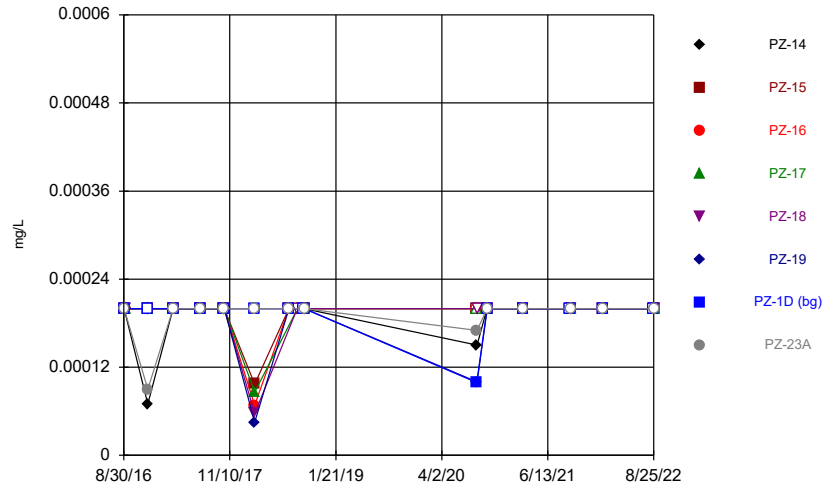
Constituent: Lithium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



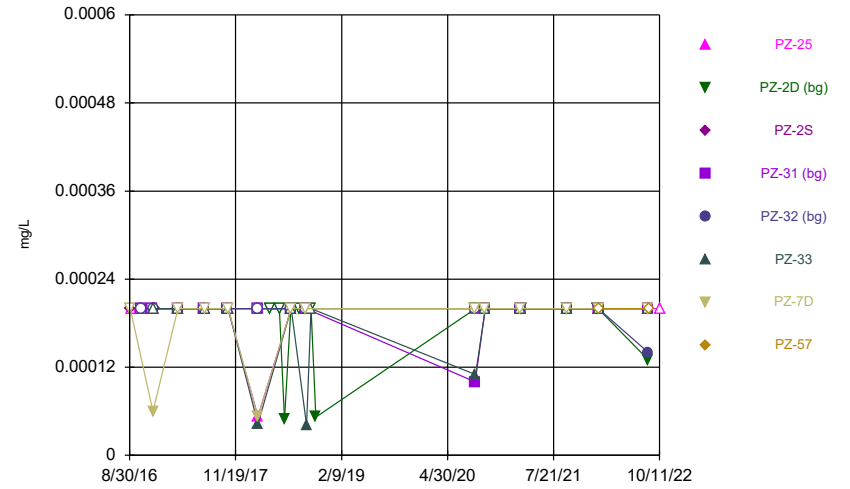
Constituent: Lithium Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



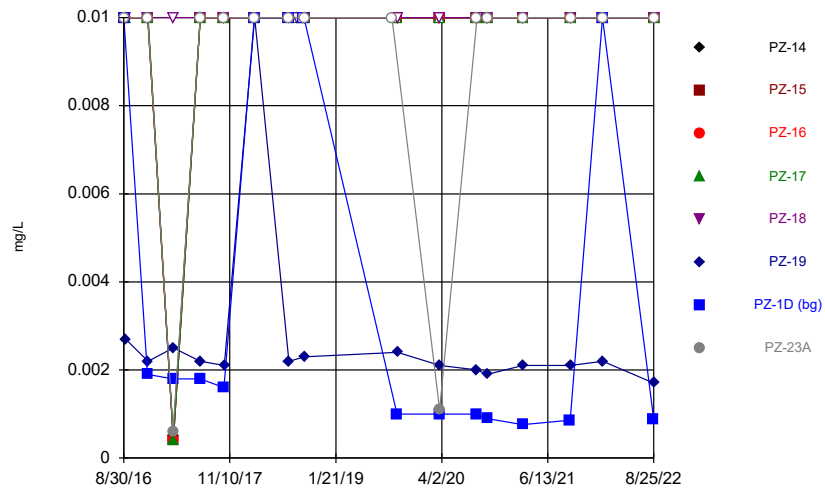
Constituent: Mercury Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



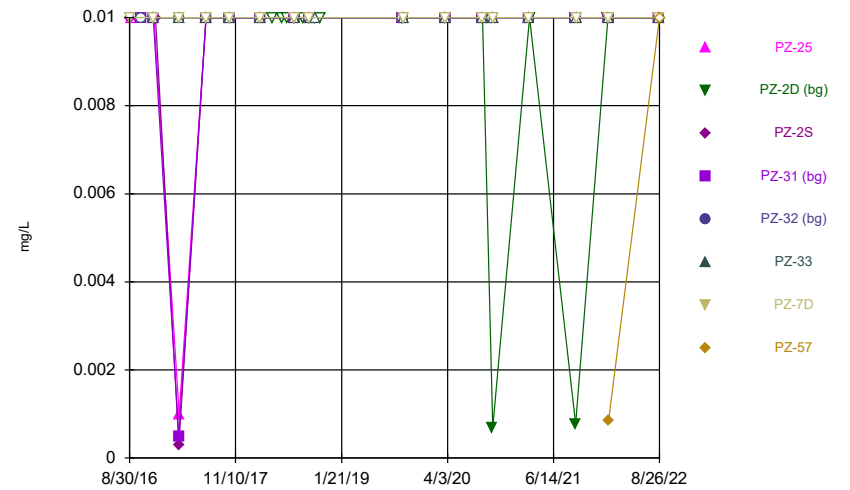
Constituent: Mercury Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



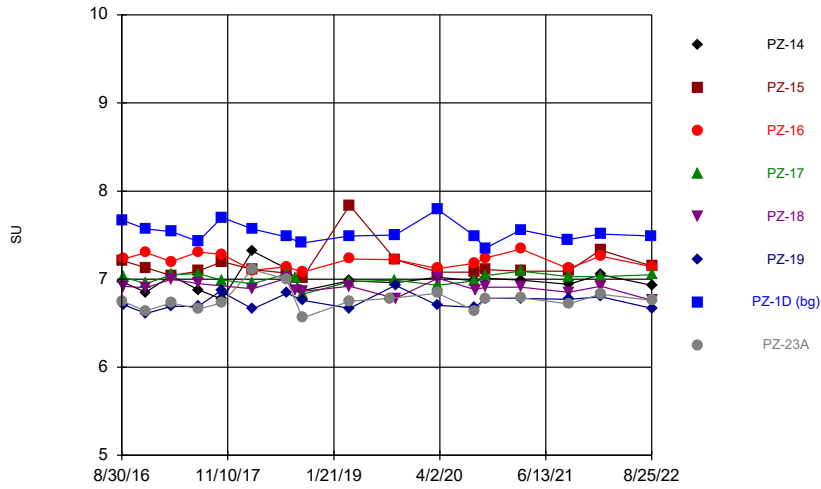
Constituent: Molybdenum Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



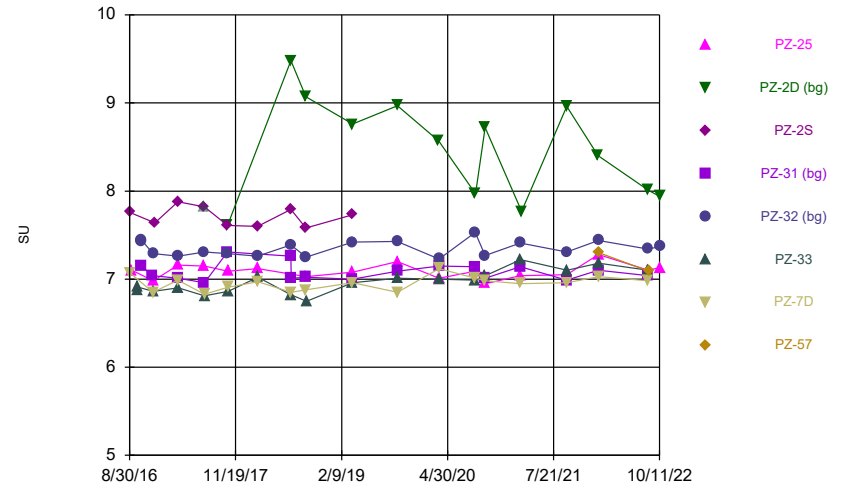
Constituent: Molybdenum Analysis Run 11/21/2022 9:20 AM  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



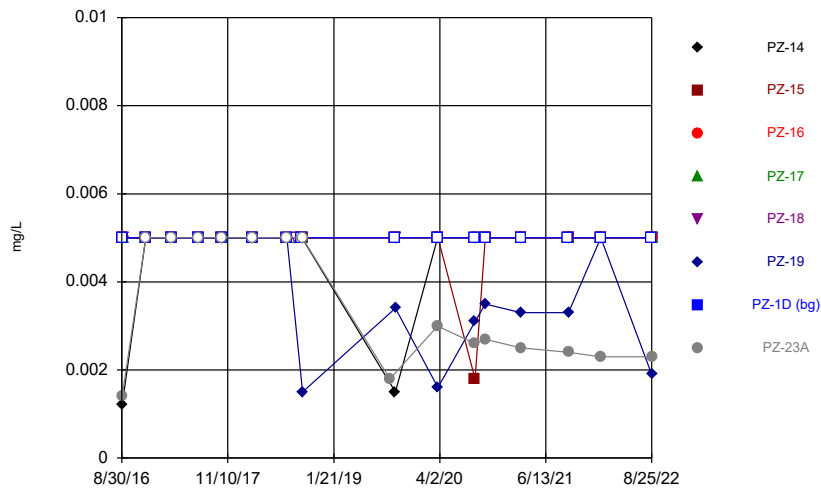
Constituent: pH Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



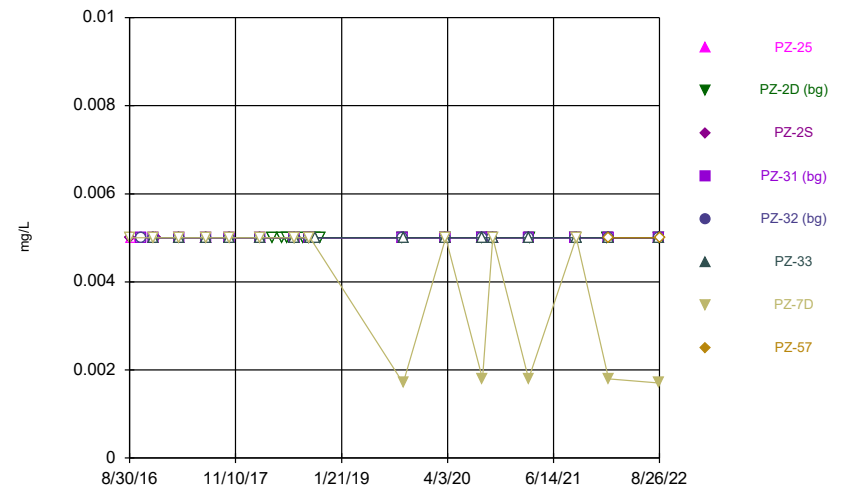
Constituent: pH Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



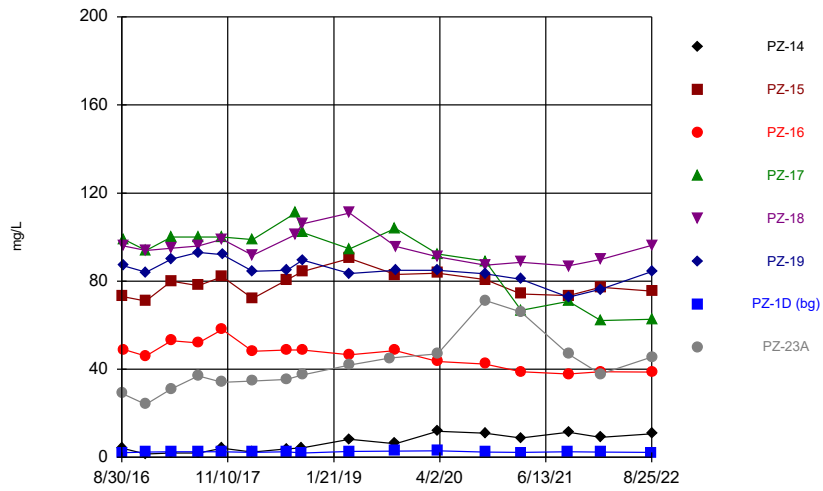
Constituent: Selenium Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



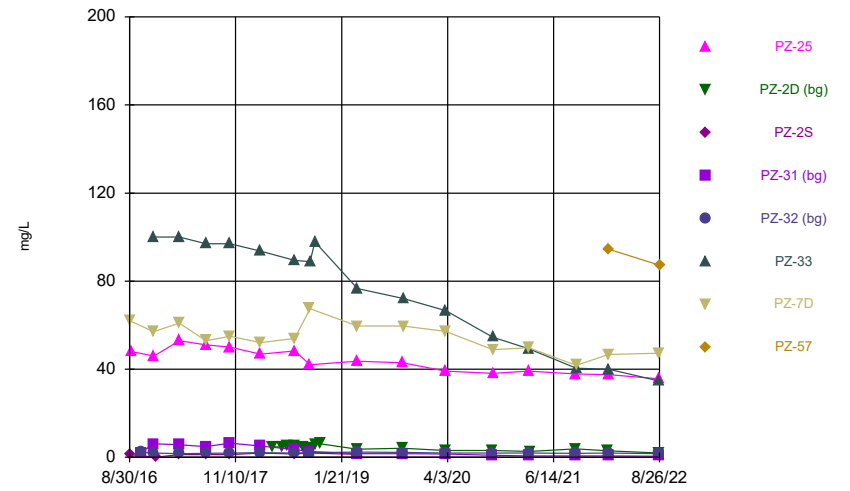
Constituent: Selenium Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



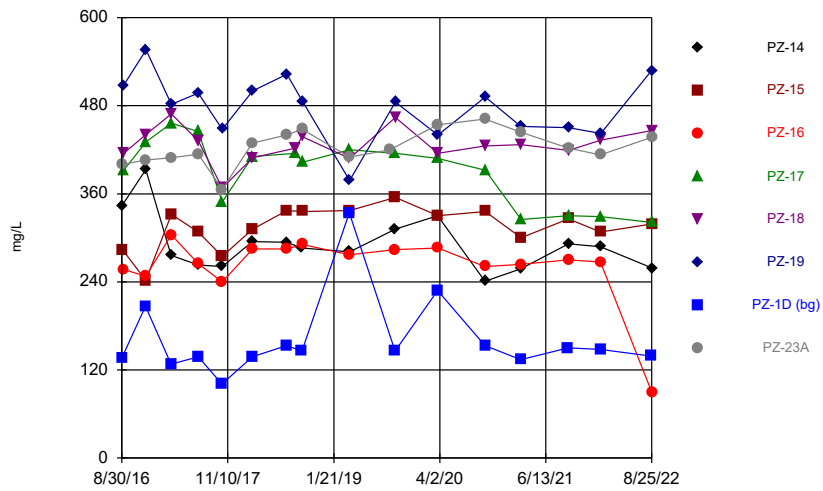
Constituent: Sulfate Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



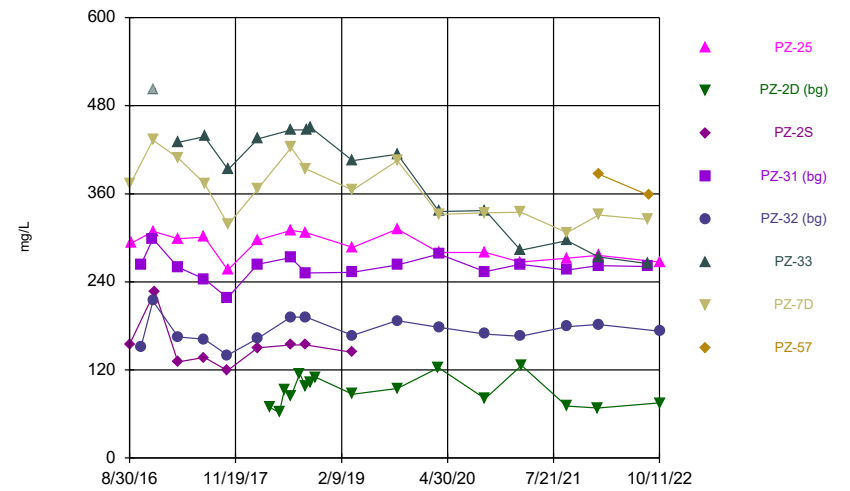
Constituent: Sulfate Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



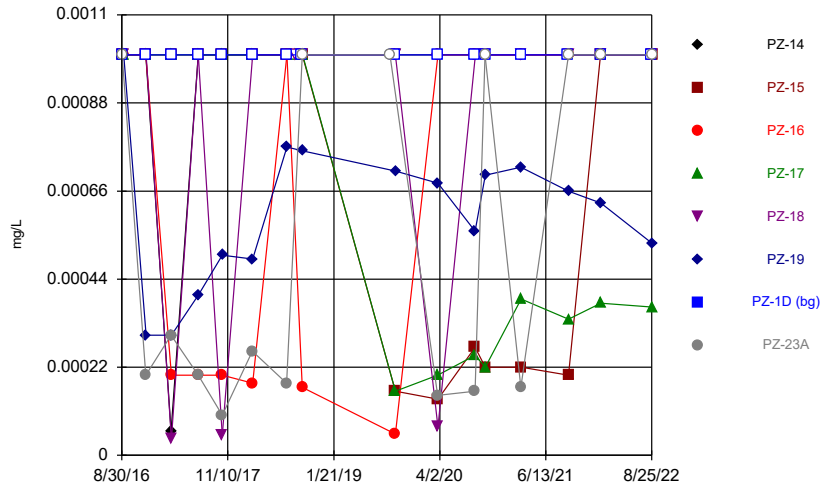
Constituent: TDS Analysis Run 11/21/2022 9:20 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



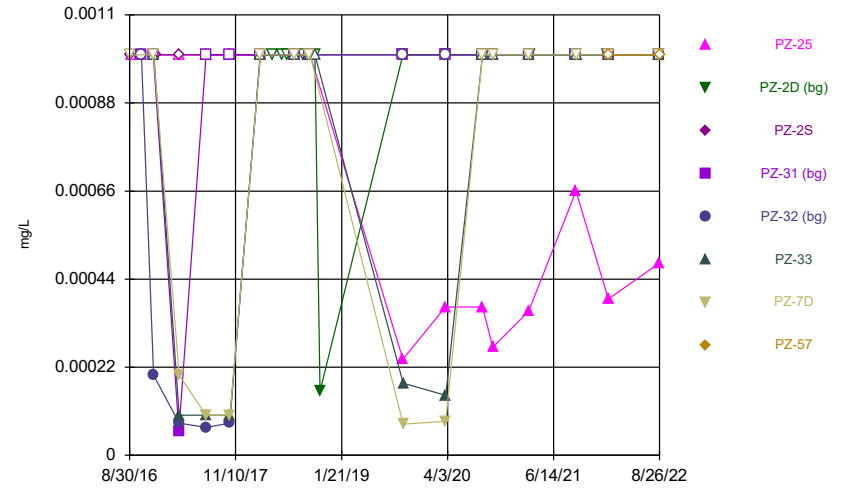
Constituent: TDS Analysis Run 11/21/2022 9:21 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Thallium Analysis Run 11/21/2022 9:21 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Thallium Analysis Run 11/21/2022 9:21 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



# Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2022 9:21 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0009 (J)	
8/31/2016	<0.003							<0.003
9/1/2016		0.001 (J)						
9/6/2016			<0.003					
9/7/2016				<0.003	<0.003	<0.003		
12/6/2016							<0.003	
12/7/2016	<0.003	<0.003	<0.003					<0.003
12/8/2016				<0.003	<0.003	<0.003		
3/21/2017	0.0004 (J)						0.0028 (J)	<0.003
3/22/2017		<0.003	<0.003	<0.003	<0.003			
3/23/2017						<0.003		
7/11/2017	<0.003		<0.003				0.0035	<0.003
7/12/2017		<0.003		<0.003	<0.003	<0.003		
10/17/2017							0.0025 (J)	
10/18/2017	<0.003	<0.003	<0.003	<0.003	<0.003			<0.003
10/19/2017						<0.003		
2/20/2018	<0.003						0.00094 (J)	<0.003
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003		
7/11/2018	<0.003						0.0019 (J)	<0.003
7/12/2018		<0.003	<0.003			<0.003		
8/15/2018					<0.003			
8/16/2018				<0.003				
9/12/2018	<0.003						0.0019 (J)	
9/13/2018		<0.003	<0.003		<0.003			<0.003
9/14/2018				<0.003		<0.003		
9/10/2019								<0.003
10/1/2019							0.00076 (X)	
10/2/2019	<0.003	<0.003	<0.003	<0.003				
10/3/2019					<0.003	0.00044 (X)		
3/24/2020							0.00055 (J)	
3/25/2020	<0.003			0.00094 (J)				<0.003
3/26/2020		<0.003	<0.003		0.0018 (J)	<0.003		
8/25/2020							0.0012 (J)	
8/26/2020	<0.003	0.00062 (J)	0.00037 (J)	0.00061 (J)		<0.003		0.00038 (J)
8/27/2020					<0.003			
10/6/2020	<0.003		<0.003				0.0021 (J)	<0.003
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003		
3/3/2021	<0.003					<0.003	0.00093 (J)	0.0017 (J)
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003			
9/14/2021							<0.003	
9/15/2021	<0.003	<0.003	<0.003					<0.003
9/16/2021				<0.003	<0.003	<0.003		
1/25/2022							<0.003	
1/26/2022	<0.003	<0.003	<0.003					<0.003
1/27/2022				<0.003	<0.003	<0.003		
8/24/2022							<0.003	
8/25/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003







# Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0335	
8/31/2016	0.0253							0.0407
9/1/2016		0.103						
9/6/2016			0.0794					
9/7/2016				0.0823	0.0717	0.067		
12/6/2016							0.0311	
12/7/2016	0.065	0.0781	0.0689					0.0581
12/8/2016				0.0668	0.0513	0.0522		
3/21/2017	0.0379						0.0305	0.0678
3/22/2017		0.0589	0.0423	0.0821	0.0273			
3/23/2017						0.0591		
7/11/2017	0.036		0.0467				0.0305	0.0574
7/12/2017		0.0613		0.0805	0.0269	0.0604		
10/17/2017							0.0255	
10/18/2017	0.0247	0.0617	0.0446	0.0776	0.0258			0.0351
10/19/2017						0.0542		
2/20/2018	0.03						0.027	0.05
2/21/2018		0.076	0.046	0.073	0.029	0.058		
7/11/2018	0.027						0.032	0.051
7/12/2018		0.056	0.043			0.057		
8/15/2018					0.027			
8/16/2018				0.081				
9/12/2018	0.022						0.021	
9/13/2018		0.048	0.038		0.023			0.038
9/14/2018				0.081		0.058		
9/10/2019								0.029
10/1/2019							0.016	
10/2/2019	0.017	0.049	0.038	0.074				
10/3/2019					0.025	0.057		
3/24/2020							0.015	
3/25/2020	0.021			0.077				0.048
3/26/2020		0.048	0.034		0.023	0.052		
8/25/2020							0.014	
8/26/2020	0.016	0.053	0.036	0.077		0.049		0.039
8/27/2020					0.023			
10/6/2020	0.016		0.034				0.015	0.037
10/7/2020		0.049		0.074	0.023	0.054		
3/3/2021	0.017					0.055	0.015	0.039
3/4/2021		0.047	0.035	0.071	0.023			
9/14/2021							0.013	
9/15/2021	0.014	0.045	0.032					0.037
9/16/2021				0.064	0.022	0.053		
1/25/2022							0.014	
1/26/2022	0.016	0.055	0.034					0.039
1/27/2022				0.072	0.025	0.055		
8/24/2022							0.015	
8/25/2022	0.011	0.057	0.035	0.061	0.026	0.046		0.036



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0005	
8/31/2016	<0.0005							<0.0005
9/1/2016		<0.0005						
9/6/2016			<0.0005					
9/7/2016				<0.0005	<0.0005	<0.0005		
12/6/2016							<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005					<0.0005
12/8/2016				<0.0005	<0.0005	<0.0005		
3/21/2017	<0.0005						<0.0005	<0.0005
3/22/2017		<0.0005	<0.0005	<0.0005	<0.0005			
3/23/2017						<0.0005		
7/11/2017	<0.0005		<0.0005				<0.0005	<0.0005
7/12/2017		<0.0005		<0.0005	<0.0005	<0.0005		
10/17/2017							<0.0005	
10/18/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
10/19/2017						<0.0005		
2/20/2018	<0.0005						<0.0005	<0.0005
2/21/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
7/11/2018	<0.0005						<0.0005	<0.0005
7/12/2018		<0.0005	<0.0005			<0.0005		
8/15/2018					<0.0005			
8/16/2018				<0.0005				
9/12/2018	<0.0005						6.1E-05 (J)	
9/13/2018		<0.0005	<0.0005		<0.0005			<0.0005
9/14/2018				<0.0005		<0.0005		
8/25/2020							<0.0005	
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
8/27/2020					<0.0005			
9/14/2021							<0.0005	
9/15/2021	<0.0005	<0.0005	<0.0005					<0.0005
9/16/2021				<0.0005	<0.0005	<0.0005		
1/25/2022							<0.0005	
1/26/2022	<0.0005	<0.0005	<0.0005					<0.0005
1/27/2022				<0.0005	<0.0005	<0.0005		
8/24/2022							<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005





# Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2022 9:22 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0132 (J)	
8/31/2016	0.0285 (J)							0.166
9/1/2016		0.215						
9/6/2016			0.17					
9/7/2016				0.276	0.355	0.573		
12/6/2016							0.0096 (J)	
12/7/2016	0.0292 (J)	0.224	0.173					0.182
12/8/2016				0.303	0.351	0.588		
3/21/2017	0.0198 (J)						0.0082 (J)	0.172
3/22/2017		0.205	0.218	0.342	0.405			
3/23/2017						0.703		
7/11/2017	0.0137 (J)		0.18				0.0067 (J)	0.149
7/12/2017		0.184		0.278	0.35	0.598		
10/17/2017							0.0083 (J)	
10/18/2017	0.0212 (J)	0.197	0.195	0.277	0.37			0.158
10/19/2017						0.66		
2/20/2018	0.026 (J)						0.024 (J)	0.16
2/21/2018		0.21	0.21	0.29	0.33	0.6		
7/11/2018	0.026 (J)						0.017 (J)	0.17
7/12/2018		0.23	0.21			0.64		
8/15/2018					0.37			
8/16/2018				0.33				
9/12/2018	0.02 (J)						0.012 (J)	
9/13/2018		0.22	0.21		0.37			0.16
9/14/2018				0.31		0.57		
3/26/2019							0.0082	
3/27/2019	0.023		0.21		0.41			0.18
3/28/2019		0.22		0.34		0.7		
9/10/2019								0.15
10/1/2019							0.0064 (X)	
10/2/2019	0.021 (X)	0.17	0.19	0.28				
10/3/2019					0.35	0.52		
3/24/2020							0.013 (J)	
3/25/2020	0.027 (J)			0.33				0.19
3/26/2020		0.21	0.19		0.36	0.6		
10/6/2020	0.026 (J)		0.19				0.015 (J)	0.16
10/7/2020		0.19		0.3	0.39	0.52		
3/3/2021	0.028 (J)					0.5	0.01 (J)	0.16
3/4/2021		0.16	0.2	0.22	0.37			
9/14/2021							<0.04	
9/15/2021	0.022 (J)	0.16	0.16					0.15
9/16/2021				0.22	0.31	0.46		
1/25/2022							0.01 (J)	
1/26/2022	0.022 (J)	0.22	0.19					0.14
1/27/2022				0.21	0.4	0.55		
8/24/2022							0.011 (J)	
8/25/2022	0.032 (J)	0.21	0.24	0.19 (J)	0.39	0.58		0.17 (J)

# Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2022 9:22 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-2S	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	PZ-57
8/30/2016			0.0168					
9/1/2016							0.379	
9/8/2016	0.204							
10/5/2016						0.404		
10/10/2016						0.401		
10/18/2016				0.0174 (J)	0.0156 (J)			
12/6/2016				0.0133 (J)				
12/7/2016					0.0157 (J)		0.394	
12/8/2016	0.216					0.375		
12/15/2016			0.0163					
3/21/2017			0.0126	0.0103 (J)				
3/22/2017	0.247						0.365	
3/23/2017					0.0103 (J)	0.396		
7/11/2017	0.194		<0.04	<0.04	<0.04			
7/12/2017						0.343	0.267	
10/17/2017			0.0086	0.0116 (J)	0.0142 (J)			
10/18/2017	0.186							
10/19/2017						0.413	0.326	
2/20/2018			<0.04	0.046 (J)	0.011 (J)			
2/21/2018	0.22					0.36	0.29	
4/12/2018		0.016 (J)						
5/23/2018		0.018 (J)						
6/13/2018		0.014 (J)						
7/11/2018		0.017 (J)	0.0099	0.014 (J)	0.014 (J)			
7/12/2018	0.22					0.41	0.32	
8/17/2018		0.015 (J)						
9/12/2018		0.013 (J)	0.012	0.0098 (J)				
9/13/2018	0.2				0.013 (J)		0.31	
9/14/2018						0.38		
10/4/2018		0.016 (J)				0.39		
10/24/2018		0.018 (J)						
3/26/2019			0.0092	0.0076				
3/27/2019	0.22	0.016			0.012			
3/28/2019						0.39	0.33	
10/1/2019					0.011 (X)			
10/2/2019	0.21	0.011 (X)		0.0084 (X)				
10/3/2019						0.36	0.24	
3/24/2020		0.015 (J)						
3/25/2020	0.21			0.011 (J)	0.016 (J)			
3/26/2020						0.38	0.24	
10/6/2020		0.018 (J)		0.011 (J)	0.015 (J)			
10/7/2020	0.18					0.35	0.2	
3/3/2021	0.2			0.0087 (J)	0.022 (J)			
3/4/2021						0.34	0.2	
3/8/2021		0.013 (J)						
9/14/2021		0.011 (J)			0.012 (J)			
9/15/2021	0.17			<0.04				
9/16/2021						0.31	0.18	
1/25/2022		0.013 (J)						
1/26/2022	0.2			<0.04	0.01 (J)			
1/27/2022						0.36	0.23	0.19
8/24/2022	0.19	0.012 (J)		<0.04	0.022 (J)	0.32		



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0005	
8/31/2016	<0.0005							0.0002 (J)
9/1/2016		<0.0005						
9/6/2016			<0.0005					
9/7/2016				<0.0005	<0.0005	<0.0005		
12/6/2016							<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005					0.0002 (J)
12/8/2016				<0.0005	<0.0005	<0.0005		
3/21/2017	<0.0005						<0.0005	<0.0005
3/22/2017		<0.0005	<0.0005	<0.0005	<0.0005			
3/23/2017						<0.0005		
7/11/2017	<0.0005		<0.0005				<0.0005	<0.0005
7/12/2017		<0.0005		<0.0005	<0.0005	<0.0005		
10/17/2017							<0.0005	
10/18/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
10/19/2017						<0.0005		
2/20/2018	<0.0005						<0.0005	<0.0005
2/21/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
7/11/2018	<0.0005						<0.0005	<0.0005
7/12/2018		<0.0005	<0.0005			<0.0005		
8/15/2018					<0.0005			
8/16/2018				<0.0005				
9/12/2018	<0.0005						<0.0005	
9/13/2018		<0.0005	<0.0005		<0.0005			<0.0005
9/14/2018				<0.0005		<0.0005		
8/25/2020							<0.0005	
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
8/27/2020					<0.0005			
9/14/2021							<0.0005	
9/15/2021	<0.0005	<0.0005	<0.0005					<0.0005
9/16/2021				<0.0005	<0.0005	<0.0005		
1/25/2022							<0.0005	
1/26/2022	<0.0005	<0.0005	<0.0005					<0.0005
1/27/2022				<0.0005	<0.0005	<0.0005		
8/24/2022							<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005



# Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							40.4	
8/31/2016	92.9							132
9/1/2016		74.8						
9/6/2016			74.6					
9/7/2016				100	112	138		
12/6/2016							43.3	
12/7/2016	93.1	74	68.9					125
12/8/2016				102	113	135		
3/21/2017	95						44.1	138
3/22/2017		99.3	77.8	113	122			
3/23/2017						137		
7/11/2017	97.1		77.3				47.4	139
7/12/2017		91.4		110	129	145		
10/17/2017							48.7	
10/18/2017	100	92	84.7	122	125			144
10/19/2017						140		
2/20/2018	93.1						46.8	142
2/21/2018		89	81.8	107	118	145		
7/11/2018	111						65.3 (o)	159
7/12/2018		94.5	85.2				140	
8/15/2018					123			
8/16/2018				113				
9/12/2018	99.3						46.6	
9/13/2018		90.8	80.2		123			136
9/14/2018				108		124		
3/26/2019							43.3	
3/27/2019	105		90.5		134			152
3/28/2019		100		123		164		
9/10/2019								137
10/1/2019							46.8	
10/2/2019	103	101	89.1	115				
10/3/2019					139	125		
3/24/2020							48	
3/25/2020	105			121				157
3/26/2020		103	89.8		138	158		
10/6/2020	111		84				50.5	144
10/7/2020		93.5		112	129	144		
3/3/2021	114					142	54.7	154
3/4/2021		107	90.9	113	138			
9/14/2021							51	
9/15/2021	106	94	91					147
9/16/2021				102	135	137		
1/25/2022							53.1	
1/26/2022	114	100	90.1					152
1/27/2022				104	142	133		
8/24/2022							45.8	
8/25/2022	108	96.7	92	99.5	141	156		145



# Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							3.1	
8/31/2016	4.9							5.1
9/1/2016		7						
9/6/2016			7.9					
9/7/2016				7.7	6.9	6.8		
12/6/2016							3.4	
12/7/2016	4.8	7	7.6					5.2
12/8/2016				7.2	6.8	6.6		
3/21/2017	4.9						2.9	5.5
3/22/2017		7.4	7.7	7.3	6.8			
3/23/2017						6.6		
7/11/2017	5		8.1				3.4	5.7
7/12/2017		8		7.4	6.7	6.6		
10/17/2017							3.3	
10/18/2017	5.1	7.8	8.2	7.6	6.8			5.1
10/19/2017						6.5		
2/20/2018	5.1						3.3	5.5
2/21/2018		7.2	7.3	7.4	7.1	7.6		
7/11/2018	4.9						2.9	5.1
7/12/2018		7.5	7.2			6.3		
8/15/2018					6.7			
8/16/2018				7.5				
9/12/2018	4.8						2.8	
9/13/2018		6.8	7.3		6.7			5
9/14/2018				7.7		6.1		
3/26/2019							3.3	
3/27/2019	5.2		7.3		6.5			4.7
3/28/2019		7.4		7.3		6.4		
9/10/2019								3.8
10/1/2019							3.6	
10/2/2019	5.4	8	7.7	7.9				
10/3/2019					7	5.6		
3/24/2020							2.8	
3/25/2020	4.2			6.1				6.4
3/26/2020		7	7		5.7	5.4		
10/6/2020	4.4		6.4				3	7
10/7/2020		6.6		5.7	5	4.5		
3/3/2021	4.2					4	2.8	4.7
3/4/2021		6.3	5.9	4.2	5.1			
9/14/2021							2.9	
9/15/2021	3.9	5.8	5.6					2.8
9/16/2021				4.2	4.7	3.5		
1/25/2022							2.9	
1/26/2022	4.4	6.3	6.1					3.6
1/27/2022				3.8	4.9	3.7		
8/24/2022							2.6	
8/25/2022	4.6	6.4	6.3	3.9	4.6	4.6		3.2





# Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2022 9:22 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0039 (J)	
8/31/2016	<0.005							<0.005
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.005		
12/6/2016							0.0047 (J)	
12/7/2016	<0.005	<0.005	<0.005					<0.005
12/8/2016				<0.005	<0.005	<0.005		
3/21/2017	<0.005						0.0047 (J)	0.0009 (J)
3/22/2017		<0.005	0.0008 (J)	<0.005	<0.005			
3/23/2017						<0.005		
7/11/2017	<0.005		<0.005				0.0054 (J)	0.0016 (J)
7/12/2017		<0.005		<0.005	<0.005	<0.005		
10/17/2017							0.0053 (J)	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			0.0019 (J)
10/19/2017						<0.005		
2/20/2018	<0.005						0.0029 (J)	<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		
7/11/2018	<0.005						0.0057 (J)	0.0021 (J)
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						0.0033 (J)	
9/13/2018		<0.005	<0.005		<0.005			0.0022 (J)
9/14/2018				<0.005		<0.005		
9/10/2019								0.0044 (X)
10/1/2019							0.0022 (X)	
10/2/2019	<0.005	<0.005	0.00044 (X)	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							0.0036 (J)	
3/25/2020	0.0013 (J)			<0.005				0.0012 (J)
3/26/2020		<0.005	0.0013 (J)		0.00056 (J)	0.00073 (J)		
8/25/2020							0.003 (J)	
8/26/2020	0.0011 (J)	<0.005	0.00087 (J)	<0.005		<0.005		0.0014 (J)
8/27/2020					<0.005			
10/6/2020	0.00098 (J)		0.0011 (J)				0.0021 (J)	0.0015 (J)
10/7/2020		<0.005		<0.005	<0.005	<0.005		
3/3/2021	0.00097 (J)					<0.005	0.0018 (J)	0.0015 (J)
3/4/2021		<0.005	0.0012 (J)	<0.005	<0.005			
9/14/2021							0.002 (J)	
9/15/2021	0.0014 (J)	<0.005	0.0011 (J)					0.0019 (J)
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							0.0025 (J)	
1/26/2022	0.0012 (J)	<0.005	0.0013 (J)					0.0028 (J)
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							0.0025 (J)	
8/25/2022	0.0014 (J)	<0.005	0.0012 (J)	<0.005	<0.005	<0.005		0.0022 (J)







# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.503 (U)	
8/31/2016	1.77							1.85
9/1/2016		1.19						
9/6/2016			1.12					
9/7/2016				1.06 (U)	1.51	1.22		
12/6/2016							0.302 (U)	
12/7/2016	0.672 (U)	1.88	1.37					0.844 (U)
12/8/2016				1.3	1.29	1.69		
3/21/2017	0.33 (U)						0.526 (U)	0.832 (U)
3/22/2017		0.617 (U)	0.435 (U)	0.566 (U)	0.799 (U)			
3/23/2017						1.07		
7/11/2017	0.701 (U)		0.76 (U)				0.676 (U)	0.824 (U)
7/12/2017		0.674 (U)		0.856 (U)	0.4 (U)	0.849 (U)		
10/17/2017							0.201 (U)	
10/18/2017	0.808 (U)	0.844 (U)	0.847 (U)	0.957	0.613 (U)			1.19
10/19/2017						0.398 (U)		
2/20/2018	2.12						1.07 (U)	0.975 (U)
2/21/2018		0.842 (U)	0.373 (U)	1.4	0.736 (U)	1.03 (U)		
7/11/2018	0.232 (U)						0.825 (U)	1.29
7/12/2018		0.552 (U)	0.408 (U)			1.28 (U)		
9/12/2018	0.532 (U)						0.317 (U)	
9/13/2018		0.662 (U)	0.472 (U)		0.708 (U)			0.765 (U)
9/14/2018				1.16		0.74 (U)		
9/10/2019								0.575 (U)
10/1/2019							0.953 (U)	
10/2/2019	0.915 (U)	1 (U)	0.65 (U)	1.34 (U)				
10/3/2019					2.07	1.9		
3/24/2020							2.23	
3/25/2020	0.694 (U)			0.385 (U)				1.39
3/26/2020		0.863 (U)	0.522 (U)		1.05	1.66		
8/25/2020							0.777 (U)	
8/26/2020	0.115 (U)	0.681 (U)	0.499 (U)	1.62		0.703 (U)		0.774 (U)
10/6/2020	0.265 (U)		1.12 (U)				0.996 (U)	1.24 (U)
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893		
3/3/2021	0.328 (U)					0.469 (U)	0.915 (U)	1.01 (U)
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)			
9/14/2021							0.532 (U)	
9/15/2021	0.872 (U)	0.729 (U)	0.721 (U)					0.742 (U)
9/16/2021				0.377 (U)	0.681 (U)	1.4		
1/25/2022							0.32 (U)	
1/26/2022	0.185 (U)	0.879 (U)	0.117 (U)					0.76 (U)
1/27/2022				0.314 (U)	0.418 (U)	0.255 (U)		
8/24/2022							0.196 (U)	
8/25/2022	0.453 (U)	1.05	0.728 (U)	0.98 (U)	0.0434 (U)	0.937		0.396 (U)



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.06 (J)	
8/31/2016	0.13 (J)							0.13 (J)
9/1/2016		0.06 (J)						
9/6/2016			0.09 (J)					
9/7/2016				0.03 (J)	0.12 (J)	0.15 (J)		
12/6/2016							0.06 (J)	
12/7/2016	0.07 (J)	0.09 (J)	0.09 (J)					0.13 (J)
12/8/2016				0.18 (J)	0.18 (J)	0.12 (J)		
3/21/2017	<0.1						0.004 (J)	0.05 (J)
3/22/2017		0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)			
3/23/2017						0.14 (J)		
7/11/2017	0.05 (J)		0.05 (J)				0.05 (J)	0.05 (J)
7/12/2017		0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)		
10/17/2017							<0.1	
10/18/2017	0.11 (J)	0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)			<0.1
10/19/2017						<0.1		
2/20/2018	0.04 (J)						0.098 (J)	0.3 (J)
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37		
7/11/2018	<0.1						<0.1	0.077 (J)
7/12/2018		<0.1	<0.1			0.17 (J)		
8/15/2018					<0.1			
8/16/2018				0.073 (J)				
9/12/2018	<0.1						0.034 (J)	
9/13/2018		0.15 (J)	<0.1		<0.1			<0.1
9/14/2018				<0.1		<0.1		
3/26/2019							<0.1	
3/27/2019	<0.1		<0.1		<0.1			<0.1
3/28/2019		0.1		0.15		0.074		
9/10/2019								<0.1
10/1/2019							0.062 (X)	
10/2/2019	0.056 (X)	0.075 (X)	0.053 (X)	0.063 (X)				
10/3/2019					0.043 (X)	0.084 (X)		
3/24/2020							<0.1	
3/25/2020	<0.1			<0.1				0.066 (J)
3/26/2020		0.056 (J)	<0.1		<0.1	0.077 (J)		
8/25/2020							<0.1	
8/26/2020	<0.1	<0.1	<0.1	<0.1		0.062 (J)		0.057 (J)
8/27/2020					<0.1			
10/6/2020	<0.1		<0.1				<0.1	0.052 (J)
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)		
3/3/2021	<0.1					0.058 (J)	<0.1	<0.1
3/4/2021		<0.1	<0.1	<0.1	<0.1			
9/14/2021							<0.1	
9/15/2021	<0.1	<0.1	<0.1					<0.1
9/16/2021				0.052 (J)	<0.1	0.067 (J)		
1/25/2022							<0.1	
1/26/2022	<0.1	<0.1	<0.1					<0.1
1/27/2022				<0.1	<0.1	0.056 (J)		
8/24/2022							0.08 (J)	
8/25/2022	0.051 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)		0.074 (J)



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-2S	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	PZ-57
8/30/2016			0.09					
9/1/2016							<0.1	
9/8/2016	0.25 (J)							
10/18/2016				0.16 (J)	0.11 (J)			
12/6/2016				0.15 (J)				
12/7/2016					0.07 (J)		0.15 (J)	
12/8/2016	0.22 (J)					0.21 (J)		
12/15/2016			<0.1					
3/21/2017			<0.1	0.02 (J)				
3/22/2017	0.16 (J)						0.09 (J)	
3/23/2017					<0.1	0.18 (J)		
7/11/2017	0.23 (J)		0.02	0.06 (J)	0.02 (J)			
7/12/2017						0.06 (J)	0.02 (J)	
10/17/2017			0.06	0.05 (J)	<0.1			
10/18/2017	0.28 (J)							
10/19/2017						<0.1	<0.1	
2/20/2018			0.17	0.21 (J)	<0.1			
2/21/2018	0.29 (J)					0.039 (J)	0.045 (J)	
4/12/2018		<0.1						
5/23/2018		0.063 (J)						
6/13/2018		0.11 (J)						
7/11/2018		<0.1	<0.1	0.087 (J)	<0.1			
7/12/2018	0.21 (J)					<0.1	<0.1	
8/17/2018		<0.1						
9/12/2018		0.093 (J)	<0.1	0.049 (J)				
9/13/2018	0.22 (J)				<0.1		<0.1	
9/14/2018						<0.1		
10/4/2018		0.15 (J)				0.15 (J)		
10/24/2018		0.29 (J)						
3/26/2019			<0.1	<0.1				
3/27/2019	0.37	0.04			<0.1			
3/28/2019						<0.1	<0.1	
10/1/2019					0.042 (X)			
10/2/2019	0.16 (X)	0.11 (X)		0.057 (X)				
10/3/2019						0.06 (X)	0.041 (X)	
3/24/2020		0.051 (J)						
3/25/2020	0.13 (J)			<0.1	<0.1			
3/26/2020						<0.1	<0.1	
8/25/2020				<0.1	<0.1			
8/26/2020	0.14	0.057 (J)				<0.1	<0.1	
10/6/2020		0.073 (J)		<0.1	<0.1			
10/7/2020	0.13					<0.1	<0.1	
3/3/2021	0.12			<0.1	<0.1			
3/4/2021						<0.1	<0.1	
3/8/2021		<0.1						
9/14/2021		0.089 (J)			<0.1			
9/15/2021	0.14			<0.1				
9/16/2021						<0.1	<0.1	
1/25/2022		0.071 (J)						
1/26/2022	0.11			<0.1	<0.1			
1/27/2022						<0.1	<0.1	0.057 (J)
8/24/2022	0.15	0.088 (J)		0.069 (J)	0.058 (J)	0.092 (J)		



# Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.001	
8/31/2016	<0.001							<0.001
9/1/2016		<0.001						
9/6/2016			<0.001					
9/7/2016				<0.001	<0.001	<0.001		
12/6/2016							<0.001	
12/7/2016	<0.001	<0.001	<0.001					<0.001
12/8/2016				<0.001	<0.001	<0.001		
3/21/2017	<0.001						<0.001	<0.001
3/22/2017		5E-05 (J)	<0.001	<0.001	<0.001			
3/23/2017						<0.001		
7/11/2017	<0.001		<0.001				<0.001	<0.001
7/12/2017		<0.001		<0.001	<0.001	<0.001		
10/17/2017							0.0001 (J)	
10/18/2017	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
10/19/2017						<0.001		
2/20/2018	<0.001						<0.001	<0.001
2/21/2018		<0.001	<0.001	<0.001	0.00043 (J)	<0.001		
7/11/2018	<0.001						<0.001	<0.001
7/12/2018		<0.001	<0.001				<0.001	
8/15/2018					<0.001			
8/16/2018				<0.001				
9/12/2018	<0.001						<0.001	
9/13/2018		<0.001	<0.001		<0.001			<0.001
9/14/2018				<0.001		<0.001		
9/10/2019								<0.001
10/1/2019							<0.001	
10/2/2019	<0.001	<0.001	8.1E-05 (X)	<0.001				
10/3/2019					<0.001	<0.001		
3/24/2020							6.2E-05 (J)	
3/25/2020	<0.001			<0.001				0.00015 (J)
3/26/2020		<0.001	<0.001		<0.001	<0.001		
8/25/2020							6.5E-05 (J)	
8/26/2020	<0.001	<0.001	<0.001	<0.001		<0.001		<0.001
8/27/2020					<0.001			
10/6/2020	<0.001		<0.001				6.6E-05 (J)	4.7E-05 (J)
10/7/2020		<0.001		<0.001	4.2E-05 (J)	4.2E-05 (J)		
3/3/2021	<0.001					<0.001	5.5E-05 (J)	5.8E-05 (J)
3/4/2021		<0.001	<0.001	<0.001	<0.001			
9/14/2021							<0.001	
9/15/2021	<0.001	<0.001	<0.001					<0.001
9/16/2021				<0.001	<0.001	<0.001		
1/25/2022							<0.001	
1/26/2022	<0.001	<0.001	<0.001					<0.001
1/27/2022				<0.001	<0.001	<0.001		
8/24/2022							<0.001	
8/25/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001



# Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.03	
8/31/2016	<0.03							<0.03
9/1/2016		<0.03						
9/6/2016			<0.03					
9/7/2016				<0.03	<0.03	0.0082 (J)		
12/6/2016							<0.03	
12/7/2016	0.003 (J)	<0.03	<0.03					<0.03
12/8/2016				<0.03	<0.03	0.0061 (J)		
3/21/2017	<0.03						<0.03	<0.03
3/22/2017		0.0011 (J)	<0.03	0.0021 (J)	0.0029 (J)			
3/23/2017						0.0122 (J)		
7/11/2017	<0.03		<0.03				<0.03	<0.03
7/12/2017		<0.03		0.002 (J)	0.0024 (J)	0.013 (J)		
10/17/2017							<0.03	
10/18/2017	<0.03	<0.03	<0.03	0.002 (J)	0.0027 (J)			<0.03
10/19/2017						0.013 (J)		
2/20/2018	<0.03						<0.03	<0.03
2/21/2018		<0.03	<0.03	0.0022 (J)	0.0021 (J)	0.0085 (J)		
7/11/2018	<0.03						<0.03	<0.03
7/12/2018		0.0012 (J)	<0.03			0.013 (J)		
8/15/2018					0.0027 (J)			
8/16/2018				0.0027 (J)				
9/12/2018	<0.03						<0.03	
9/13/2018		0.0013 (J)	<0.03		0.0029 (J)			<0.03
9/14/2018				0.0025 (J)		0.018 (J)		
9/10/2019								<0.03
10/1/2019							<0.03	
10/2/2019	<0.03	0.0013 (X)	<0.03	0.0024 (X)				
10/3/2019					0.0027 (X)	0.016 (X)		
3/24/2020							<0.03	
3/25/2020	<0.03			0.003 (J)				0.0011 (J)
3/26/2020		0.0014 (J)	<0.03		0.0027 (J)	0.013 (J)		
8/25/2020							<0.03	
8/26/2020	<0.03	0.0013 (J)	<0.03	0.0028 (J)		0.011 (J)		0.0011 (J)
8/27/2020					0.0025 (J)			
10/6/2020	<0.03		<0.03				<0.03	0.00097 (J)
10/7/2020		0.0013 (J)		0.0029 (J)	0.003 (J)	0.013 (J)		
3/3/2021	<0.03					0.015 (J)	<0.03	0.001 (J)
3/4/2021		0.0014 (J)	<0.03	0.002 (J)	0.0029 (J)			
9/14/2021							<0.03	
9/15/2021	<0.03	0.0013 (J)	<0.03					0.00085 (J)
9/16/2021				0.0021 (J)	0.0023 (J)	0.013 (J)		
1/25/2022							<0.03	
1/26/2022	<0.03	0.0013 (J)	<0.03					<0.03
1/27/2022				0.0022 (J)	0.003 (J)	0.016 (J)		
8/24/2022							<0.03	
8/25/2022	<0.03	0.0012 (J)	<0.03	0.0018 (J)	0.0033 (J)	0.012 (J)		<0.03



# Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0002	
8/31/2016	<0.0002							<0.0002
9/1/2016		<0.0002						
9/6/2016			<0.0002					
9/7/2016				<0.0002	<0.0002	<0.0002		
12/6/2016							<0.0002	
12/7/2016	7E-05 (J)	<0.0002	<0.0002					9E-05 (J)
12/8/2016				<0.0002	<0.0002	<0.0002		
3/21/2017	<0.0002						<0.0002	<0.0002
3/22/2017		<0.0002	<0.0002	<0.0002	<0.0002			
3/23/2017						<0.0002		
7/11/2017	<0.0002		<0.0002				<0.0002	<0.0002
7/12/2017		<0.0002		<0.0002	<0.0002	<0.0002		
10/17/2017							<0.0002	
10/18/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002
10/19/2017						<0.0002		
2/20/2018	<0.0002						<0.0002	<0.0002
2/21/2018		9.7E-05 (J)	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)		
7/11/2018	<0.0002						<0.0002	<0.0002
7/12/2018		<0.0002	<0.0002			<0.0002		
8/15/2018					<0.0002			
8/16/2018				<0.0002				
9/12/2018	<0.0002						<0.0002	
9/13/2018		<0.0002	<0.0002		<0.0002			<0.0002
9/14/2018				<0.0002		<0.0002		
8/25/2020							9.9E-05 (J)	
8/26/2020	0.00015 (J)	<0.0002	<0.0002	<0.0002		0.0001 (J)		0.00017 (J)
8/27/2020					<0.0002			
10/6/2020	<0.0002		<0.0002				<0.0002	<0.0002
10/7/2020		<0.0002		<0.0002	<0.0002	<0.0002		
3/3/2021	<0.0002					<0.0002	<0.0002	<0.0002
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002			
9/14/2021							<0.0002	
9/15/2021	<0.0002	<0.0002	<0.0002					<0.0002
9/16/2021				<0.0002	<0.0002	<0.0002		
1/25/2022							<0.0002	
1/26/2022	<0.0002	<0.0002	<0.0002					<0.0002
1/27/2022				<0.0002	<0.0002	<0.0002		
8/24/2022							<0.0002	
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002

# Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-2S	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	PZ-57
8/30/2016			<0.0002					
9/1/2016							<0.0002	
9/8/2016	<0.0002							
10/18/2016				<0.0002	<0.0002			
12/6/2016				<0.0002				
12/7/2016					<0.0002		6E-05 (J)	
12/8/2016	<0.0002					<0.0002		
12/15/2016			<0.0002					
3/21/2017			<0.0002	<0.0002				
3/22/2017	<0.0002						<0.0002	
3/23/2017					<0.0002	<0.0002		
7/11/2017	<0.0002		<0.0002	<0.0002	<0.0002			
7/12/2017						<0.0002	<0.0002	
10/17/2017			<0.0002	<0.0002	<0.0002			
10/18/2017	<0.0002							
10/19/2017						<0.0002	<0.0002	
2/20/2018			<0.0002	<0.0002	<0.0002			
2/21/2018	5.3E-05 (J)					4.3E-05 (J)	5.3E-05 (J)	
4/12/2018		<0.0002						
5/23/2018		<0.0002						
6/13/2018		4.9E-05 (J)						
7/11/2018		<0.0002	<0.0002	<0.0002	<0.0002			
7/12/2018	<0.0002					<0.0002	<0.0002	
8/17/2018		<0.0002						
9/12/2018		<0.0002	<0.0002	<0.0002				
9/13/2018	<0.0002				<0.0002		<0.0002	
9/14/2018						4.1E-05 (J)		
10/4/2018		<0.0002				<0.0002		
10/24/2018		5.2E-05 (J)						
8/25/2020				0.0001 (J)	<0.0002			
8/26/2020	<0.0002	<0.0002				0.00011 (J)	<0.0002	
10/6/2020		<0.0002		<0.0002	<0.0002			
10/7/2020	<0.0002					<0.0002	<0.0002	
3/3/2021	<0.0002			<0.0002	<0.0002			
3/4/2021						<0.0002	<0.0002	
3/8/2021		<0.0002						
9/14/2021		<0.0002			<0.0002			
9/15/2021	<0.0002			<0.0002				
9/16/2021						<0.0002	<0.0002	
1/25/2022		<0.0002						
1/26/2022	<0.0002			<0.0002	<0.0002			
1/27/2022						<0.0002	<0.0002	<0.0002
8/24/2022		0.00013 (J)		<0.0002	0.00014 (J)	<0.0002		
8/25/2022							<0.0002	
8/26/2022								<0.0002
10/11/2022	<0.0002							



# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2022 9:22 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.01	
8/31/2016	<0.01							<0.01
9/1/2016		<0.01						
9/6/2016			<0.01					
9/7/2016				<0.01	<0.01	0.0027 (J)		
12/6/2016							0.0019 (J)	
12/7/2016	<0.01	<0.01	<0.01					<0.01
12/8/2016				<0.01	<0.01	0.0022 (J)		
3/21/2017	0.0005 (J)						0.0018 (J)	0.0006 (J)
3/22/2017		0.0004 (J)	0.0004 (J)	0.0004 (J)	<0.01			
3/23/2017						0.0025 (J)		
7/11/2017	<0.01		<0.01				0.0018 (J)	<0.01
7/12/2017		<0.01		<0.01	<0.01	0.0022 (J)		
10/17/2017							0.0016 (J)	
10/18/2017	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01
10/19/2017						0.0021 (J)		
2/20/2018	<0.01						<0.01	<0.01
2/21/2018		<0.01	<0.01	<0.01	<0.01	<0.01		
7/11/2018	<0.01						<0.01	<0.01
7/12/2018		<0.01	<0.01			0.0022 (J)		
8/15/2018					<0.01			
8/16/2018				<0.01				
9/12/2018	<0.01						<0.01	
9/13/2018		<0.01	<0.01		<0.01			<0.01
9/14/2018				<0.01		0.0023 (J)		
9/10/2019								<0.01
10/1/2019							0.001 (X)	
10/2/2019	<0.01	<0.01	<0.01	<0.01				
10/3/2019					<0.01	0.0024 (X)		
3/24/2020							0.001 (J)	
3/25/2020	<0.01			<0.01				0.0011 (J)
3/26/2020		<0.01	<0.01		<0.01	0.0021 (J)		
8/25/2020							0.001 (J)	
8/26/2020	<0.01	<0.01	<0.01	<0.01		0.002 (J)		<0.01
8/27/2020					<0.01			
10/6/2020	<0.01		<0.01				0.0009 (J)	<0.01
10/7/2020		<0.01		<0.01	<0.01	0.0019 (J)		
3/3/2021	<0.01					0.0021 (J)	0.00076 (J)	<0.01
3/4/2021		<0.01	<0.01	<0.01	<0.01			
9/14/2021							0.00086 (J)	
9/15/2021	<0.01	<0.01	<0.01					<0.01
9/16/2021				<0.01	<0.01	0.0021 (J)		
1/25/2022							<0.01	
1/26/2022	<0.01	<0.01	<0.01					<0.01
1/27/2022				<0.01	<0.01	0.0022 (J)		
8/24/2022							0.00088 (J)	
8/25/2022	<0.01	<0.01	<0.01	<0.01	<0.01	0.0017 (J)		<0.01



# Time Series

Constituent: pH (SU) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							7.67	
8/31/2016	6.97							6.75
9/1/2016		7.21						
9/6/2016			7.23					
9/7/2016				7.02	6.92	6.71		
12/6/2016							7.57	
12/7/2016	6.85	7.13	7.3					6.64
12/8/2016				6.95	6.9	6.61		
3/21/2017	7.04						7.54	6.73
3/22/2017		7.04	7.2	7.05	7			
3/23/2017						6.69		
7/11/2017	6.88		7.31				7.43	6.66
7/12/2017		7.09		7.06	6.95	6.69		
10/17/2017							7.7	
10/18/2017	6.77	7.2	7.28	6.99		6.88		6.73
10/19/2017						6.85		
2/20/2018	7.32 (D)						7.57	7.11
2/21/2018		7.11	7.1	6.95	6.89	6.66		
7/11/2018	7.12						7.48	7
7/12/2018		7.07	7.14	7.06	7.01	6.84		
8/15/2018					6.87			
8/16/2018				7.01				
9/12/2018	6.87						7.41	
9/13/2018		7.01	7.08		6.86			6.56
9/14/2018				6.83		6.76		
3/26/2019							7.49	
3/27/2019	6.98		7.23		6.92			6.75
3/28/2019		7.84		6.97		6.67		
9/10/2019								6.78
10/1/2019							7.5	
10/2/2019	6.96	7.22	7.22	6.99				
10/3/2019					6.78	6.93		
3/24/2020							7.79	
3/25/2020	7.02			6.93				6.84
3/26/2020		7.08	7.12		7.01	6.7		
8/25/2020							7.49	
8/26/2020	6.98	7.08	7.18	6.98		6.68		6.64
8/27/2020					6.88			
10/6/2020	7.01		7.24				7.35	6.78
10/7/2020		7.11		7.04	6.91	6.78		
3/3/2021	6.99					6.78	7.56	6.79
3/4/2021		7.09	7.34	7.09	6.91			
9/14/2021							7.45	
9/15/2021	6.94	7.09	7.12					6.72
9/16/2021				7.03	6.85	6.77		
1/25/2022							7.51	
1/26/2022	7.05	7.33	7.26					6.83
1/27/2022				7.03	6.92	6.8		
8/24/2022							7.49	
8/25/2022	6.93	7.15	7.14	7.05	6.76	6.67		6.76

# Time Series

Constituent: pH (SU) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-2S	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	PZ-57
8/30/2016			7.76					
9/1/2016							7.07	
9/8/2016	7.1							
10/4/2016						6.88		
10/5/2016						6.91		
10/17/2016					7.43			
10/18/2016				7.15	7.45			
12/6/2016				7.04				
12/7/2016					7.29		6.85	
12/8/2016	6.98					6.86		
12/15/2016			7.64					
3/21/2017			7.88	7.01				
3/22/2017	7.16						6.99	
3/23/2017					7.26	6.9		
7/11/2017	7.15		7.82	6.96	7.31	7.82 (o)		
7/12/2017						6.81	6.83	
10/17/2017		7.61	7.61	7.31	7.29			
10/18/2017	7.09							
10/19/2017						6.86	6.91	
2/20/2018			7.6		7.26			
2/21/2018	7.12					7.02	6.97	
7/11/2018		9.48	7.79	7.26	7.39			
7/12/2018				7.01		6.82	6.85	
9/12/2018		9.07	7.58	7.02				
9/13/2018	7.03				7.25		6.88	
9/14/2018						6.75		
3/26/2019			7.73	7				
3/27/2019	7.08	8.76			7.42			
3/28/2019						6.96	6.96	
10/1/2019					7.43			
10/2/2019	7.2	8.97		7.09				
10/3/2019						7.01	6.85	
3/24/2020		8.57						
3/25/2020	7.01			7.15	7.23			
3/26/2020						7	7.12	
8/25/2020				7.14	7.53			
8/26/2020	7.09	7.97				6.99	7.01	
10/6/2020		8.72		7.01	7.27			
10/7/2020	6.95					7.04	6.98	
3/3/2021	7.04			7.14	7.41			
3/4/2021						7.22	6.95	
3/8/2021		7.77						
9/14/2021		8.96			7.31			
9/15/2021	7.05			6.99				
9/16/2021						7.1	6.96	
1/25/2022		8.4						
1/26/2022	7.28			7.1	7.44			
1/27/2022						7.18	7.03	7.3
8/24/2022	7.1	8.01		7.04	7.34	7.1		
8/25/2022							6.98	
8/26/2022								7.09
10/11/2022	7.13	7.94			7.37			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	0.0012 (J)							0.0014 (J)
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.005		
12/6/2016							<0.005	
12/7/2016	<0.005	<0.005	<0.005					<0.005
12/8/2016				<0.005	<0.005	<0.005		
3/21/2017	<0.005						<0.005	<0.005
3/22/2017		<0.005	<0.005	<0.005	<0.005			
3/23/2017						<0.005		
7/11/2017	<0.005		<0.005				<0.005	<0.005
7/12/2017		<0.005		<0.005	<0.005	<0.005		
10/17/2017							<0.005	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
10/19/2017						<0.005		
2/20/2018	<0.005						<0.005	<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		
7/11/2018	<0.005						<0.005	<0.005
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.005
9/14/2018				<0.005		0.0015 (J)		
9/10/2019								0.0018 (X)
10/1/2019							<0.005	
10/2/2019	0.0015 (X)	<0.005	<0.005	<0.005				
10/3/2019					<0.005	0.0034 (X)		
3/24/2020							<0.005	
3/25/2020	<0.005			<0.005				0.003 (J)
3/26/2020		<0.005	<0.005		<0.005	0.0016 (J)		
8/25/2020							<0.005	
8/26/2020	<0.005	0.0018 (J)	<0.005	<0.005		0.0031 (J)		0.0026 (J)
8/27/2020					<0.005			
10/6/2020	<0.005		<0.005				<0.005	0.0027 (J)
10/7/2020		<0.005		<0.005	<0.005	0.0035 (J)		
3/3/2021	<0.005					0.0033 (J)	<0.005	0.0025 (J)
3/4/2021		<0.005	<0.005	<0.005	<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					0.0024 (J)
9/16/2021				<0.005	<0.005	0.0033 (J)		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					0.0023 (J)
1/27/2022				<0.005	<0.005	0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0019 (J)		0.0023 (J)



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							2.1	
8/31/2016	4.1							29
9/1/2016		73						
9/6/2016			49					
9/7/2016				99	96	87		
12/6/2016							2.4	
12/7/2016	1.5	71	46					24
12/8/2016				94	94	84		
3/21/2017	2						2.5	31
3/22/2017		80	53	100	95			
3/23/2017						90		
7/11/2017	2		52				2.6	37
7/12/2017		78		100	96	93		
10/17/2017							2.5	
10/18/2017	4.2	82	58	100	99			34
10/19/2017						92		
2/20/2018	2.4						2.3	34.7
2/21/2018		72.2	48.2	98.8	91.8	84.5		
7/11/2018	3.8						2.5	35.4
7/12/2018		80.5	48.8			84.9		
8/15/2018					101			
8/16/2018				111				
9/12/2018	4.3						2	
9/13/2018		84.4	48.7		106			37.4
9/14/2018				102		89.5		
3/26/2019							2.7	
3/27/2019	8.2		46.5		111			41.9
3/28/2019		90.3		94.7		83.5		
9/10/2019								45.1
10/1/2019							2.8	
10/2/2019	6.2	83	48.5	104				
10/3/2019					95.8	84.9		
3/24/2020							3	
3/25/2020	11.9			92.4				47
3/26/2020		83.6	43.5		91	84.9		
10/6/2020	11		42.4				2.4	71.2
10/7/2020		80.7		89.1	87.3	83.3		
3/3/2021	8.8					80.8	2.2	66
3/4/2021		74.1	38.9	66.8	88.6			
9/14/2021							2.6	
9/15/2021	11.4	73.4	37.8					46.8
9/16/2021				70.9	86.9	72.7		
1/25/2022							2.4	
1/26/2022	9.1	77.2	38.9					37.8
1/27/2022				62.1	89.9 (M1)	76.3		
8/24/2022							2.2	
8/25/2022	10.7	75.5	38.7	62.7	96.3	84.4		45.6





# Time Series

Constituent: TDS (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							136	
8/31/2016	344							400
9/1/2016		284						
9/6/2016			257					
9/7/2016				392	415	508		
12/6/2016							207	
12/7/2016	393	242	248					406
12/8/2016				431	441	556		
3/21/2017	276						128	409
3/22/2017		332	304	456	469			
3/23/2017						482		
7/11/2017	263		265				138	414
7/12/2017		308		445	432	497		
10/17/2017							101	
10/18/2017	261	275	240	349	368			366
10/19/2017						448		
2/20/2018	295						138	429
2/21/2018		312	285	411	409	500		
7/11/2018	294						153	440
7/12/2018		337	285			523		
8/15/2018					422			
8/16/2018				415				
9/12/2018	286						146	
9/13/2018		336	291		438			448
9/14/2018				403		486		
3/26/2019							334	
3/27/2019	281		277		408			410
3/28/2019		337		420		378		
9/10/2019								420
10/1/2019							146	
10/2/2019	312	355	284	415				
10/3/2019					464	485		
3/24/2020							228	
3/25/2020	330			408				454
3/26/2020		330	286		415	440		
10/6/2020	241		261				153	462
10/7/2020		336		392	425	492		
3/3/2021	258					452	134	444
3/4/2021		300	264	325	427			
9/14/2021							150	
9/15/2021	292	326	270					422
9/16/2021				330	419	450		
1/25/2022							148	
1/26/2022	288	308	267					413
1/27/2022				329	433	442		
8/24/2022							139	
8/25/2022	259	319	90	321	446	528		437



# Time Series

Constituent: TDS (mg/L) Analysis Run 11/21/2022 9:22 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-2S	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	PZ-57
10/11/2022	267	75			173			

# Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2022 9:22 AM

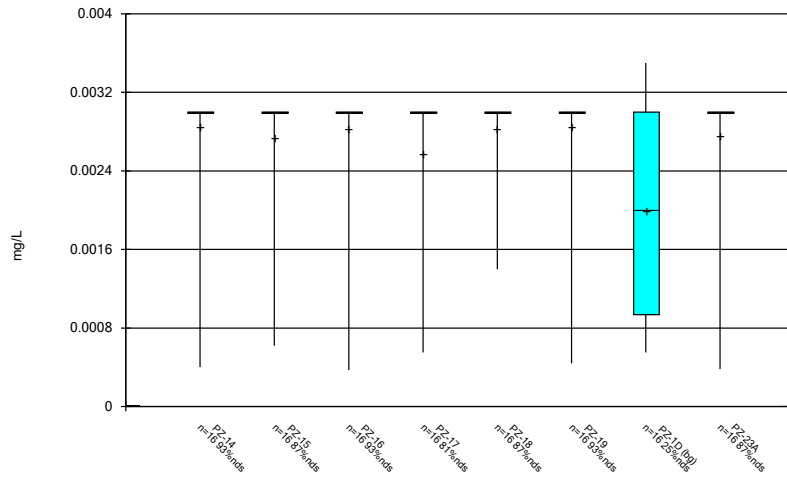
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.001	
8/31/2016	<0.001							<0.001
9/1/2016		<0.001						
9/6/2016			<0.001					
9/7/2016				<0.001	<0.001	<0.001		
12/6/2016							<0.001	
12/7/2016	<0.001	<0.001	<0.001					0.0002 (J)
12/8/2016				<0.001	<0.001	0.0003 (J)		
3/21/2017	6E-05 (J)						<0.001	0.0003 (J)
3/22/2017		<0.001	0.0002 (J)	<0.001	4E-05 (J)			
3/23/2017						0.0003 (J)		
7/11/2017	<0.001		0.0002 (J)				<0.001	0.0002 (J)
7/12/2017		<0.001		<0.001	<0.001	0.0004 (J)		
10/17/2017							<0.001	
10/18/2017	<0.001	<0.001	0.0002 (J)	<0.001	5E-05 (J)			0.0001 (J)
10/19/2017						0.0005 (J)		
2/20/2018	<0.001						<0.001	0.00026 (J)
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)		
7/11/2018	<0.001						<0.001	0.00018 (J)
7/12/2018		<0.001	<0.001			0.00077 (J)		
8/15/2018					<0.001			
8/16/2018				<0.001				
9/12/2018	<0.001						<0.001	
9/13/2018		<0.001	0.00017 (J)		<0.001			<0.001
9/14/2018				<0.001		0.00076 (J)		
9/10/2019							<0.001	<0.001
10/1/2019	<0.001	0.00016 (X)	5.3E-05 (X)	0.00016 (X)				
10/2/2019	<0.001				<0.001	0.00071 (X)		
10/3/2019							<0.001	
3/24/2020								
3/25/2020	<0.001			0.0002 (J)				0.00015 (J)
3/26/2020		0.00014 (J)	<0.001		7.1E-05 (J)	0.00068 (J)		
8/25/2020							<0.001	
8/26/2020	<0.001	0.00027 (J)	<0.001	0.00025 (J)		0.00056 (J)		0.00016 (J)
8/27/2020					<0.001			
10/6/2020	<0.001		<0.001				<0.001	<0.001
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)		
3/3/2021	<0.001					0.00072 (J)	<0.001	0.00017 (J)
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001			
9/14/2021							<0.001	
9/15/2021	<0.001	0.0002 (J)	<0.001					<0.001
9/16/2021				0.00034 (J)	<0.001	0.00066 (J)		
1/25/2022							<0.001	
1/26/2022	<0.001	<0.001	<0.001					<0.001
1/27/2022				0.00038 (J)	<0.001	0.00063 (J)		
8/24/2022							<0.001	
8/25/2022	<0.001	<0.001	<0.001	0.00037 (J)	<0.001	0.00053 (J)		<0.001



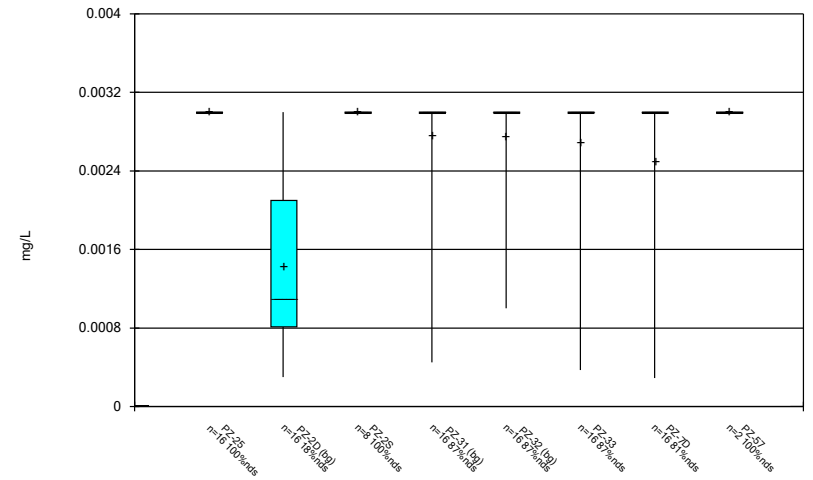
FIGURE B.

Box & Whiskers Plot



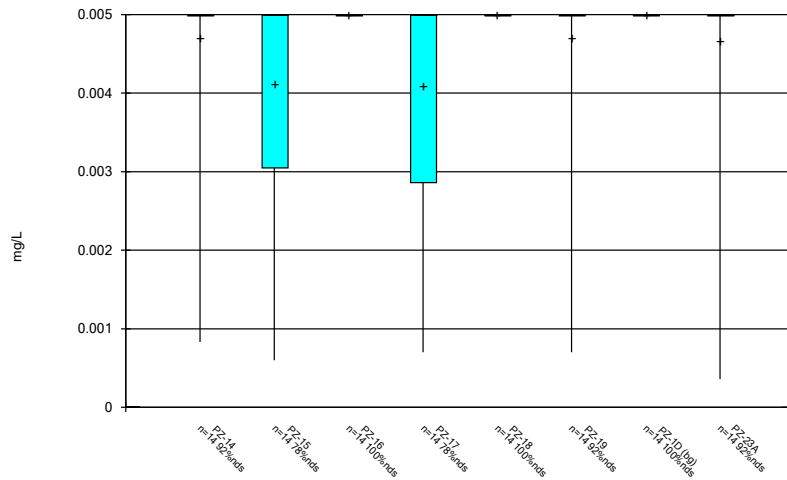
Constituent: Antimony Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



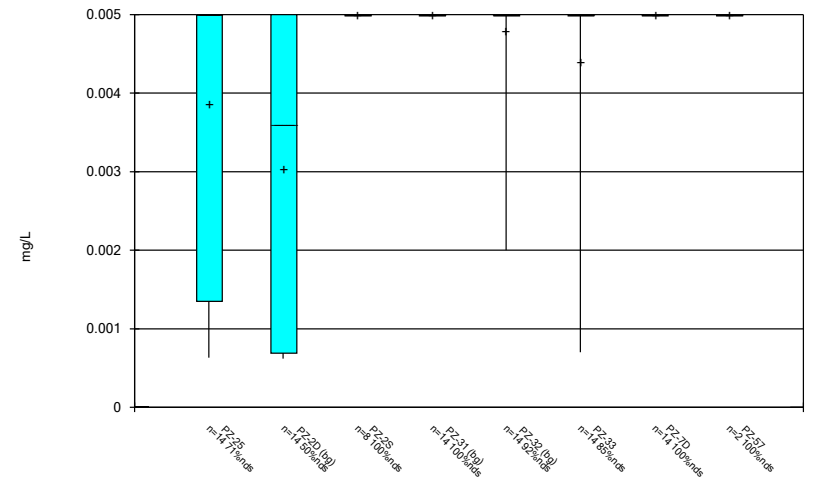
Constituent: Antimony Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



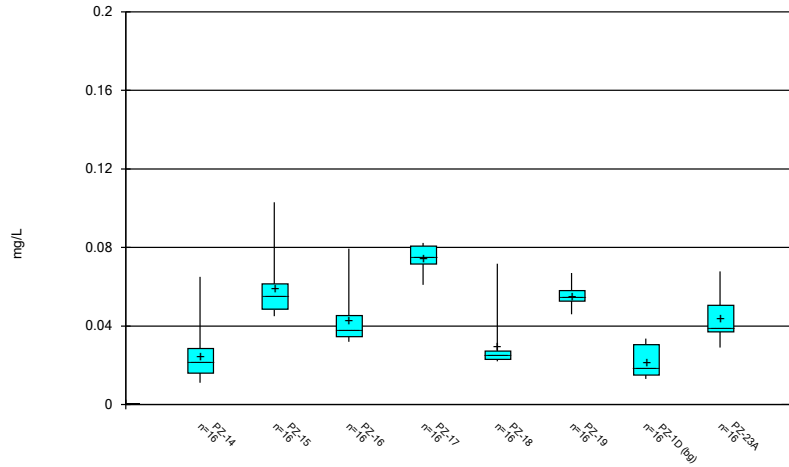
Constituent: Arsenic Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



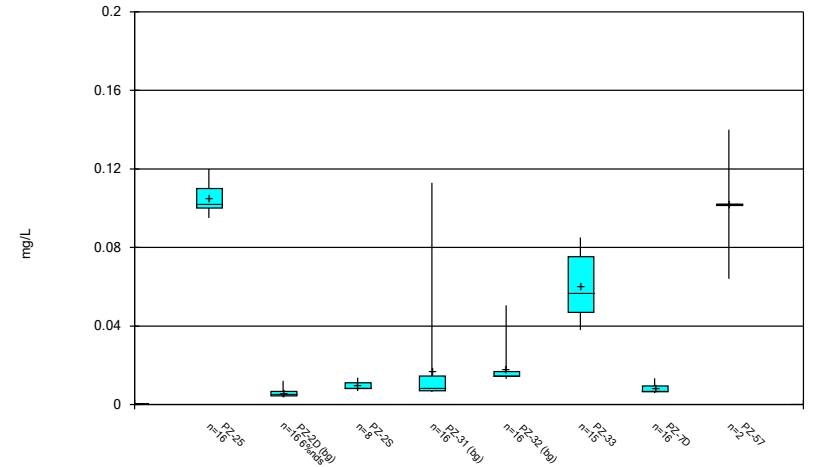
Constituent: Arsenic Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



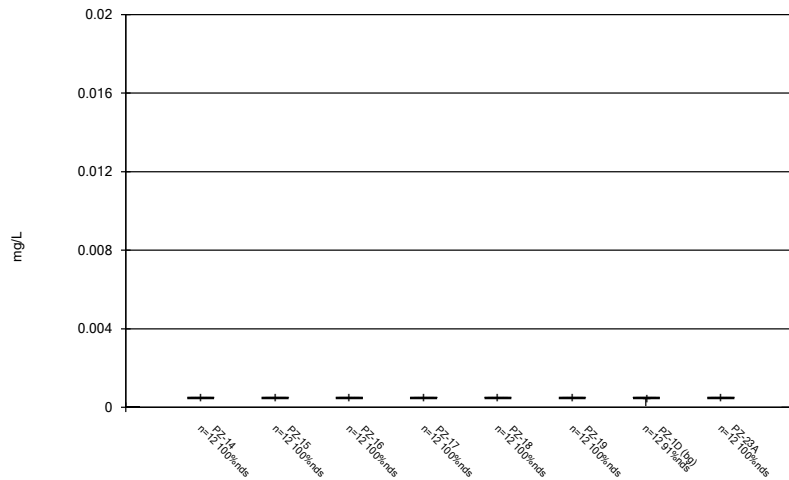
Constituent: Barium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



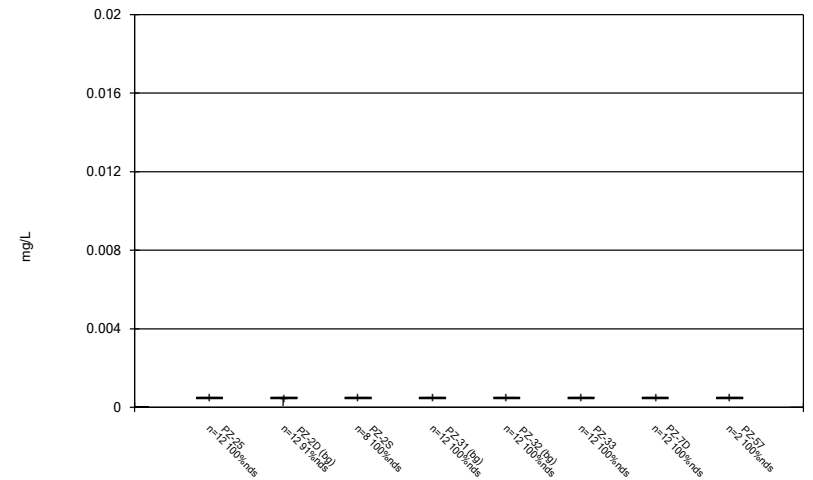
Constituent: Barium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

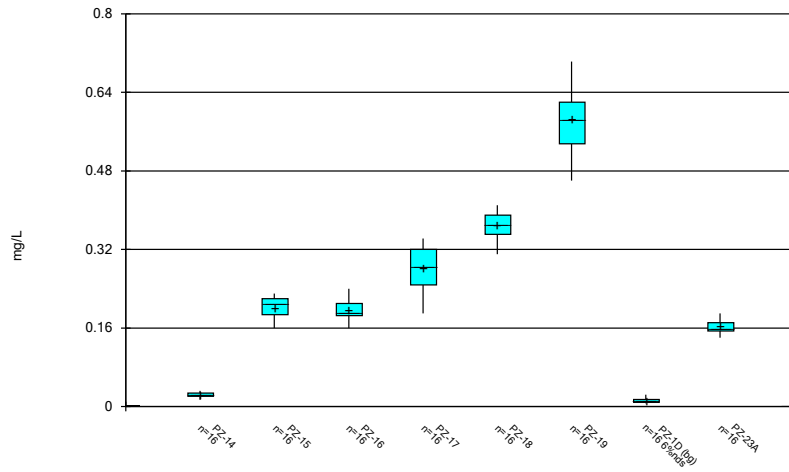
### Box & Whiskers Plot



Constituent: Beryllium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

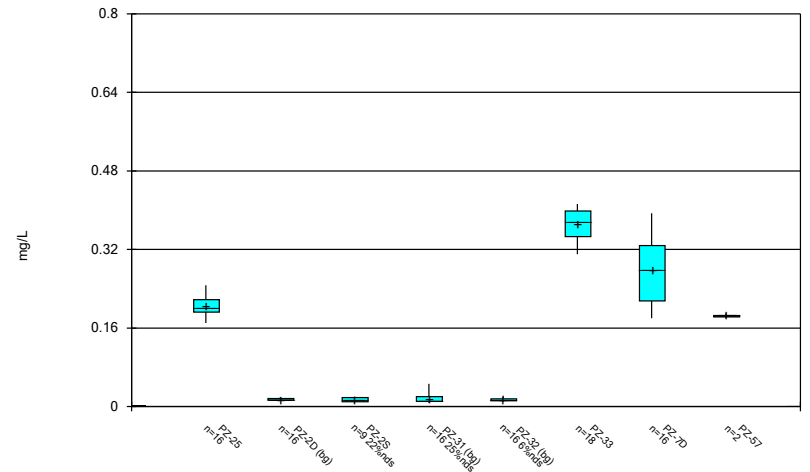


### Box & Whiskers Plot



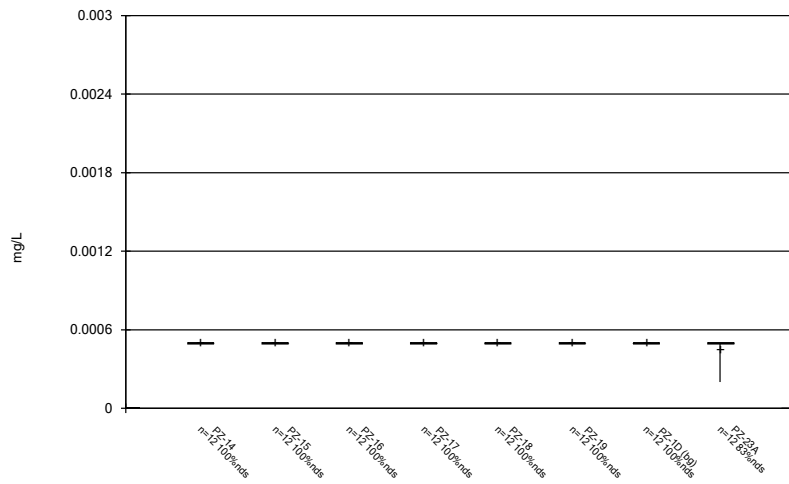
Constituent: Boron Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



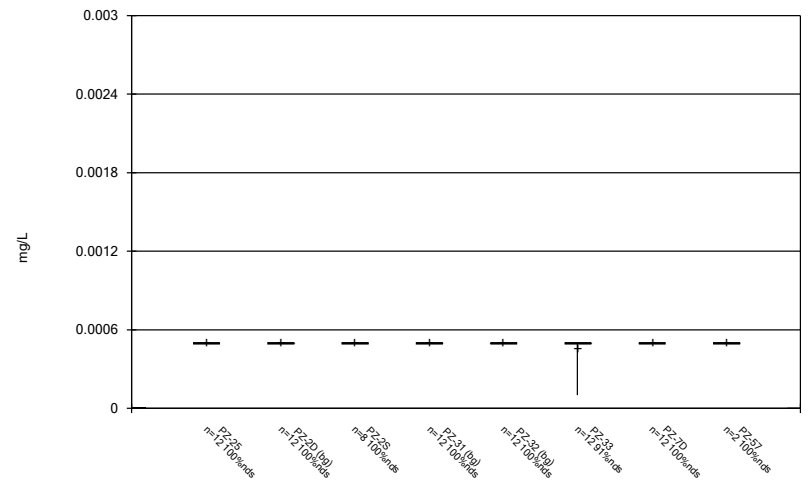
Constituent: Boron Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



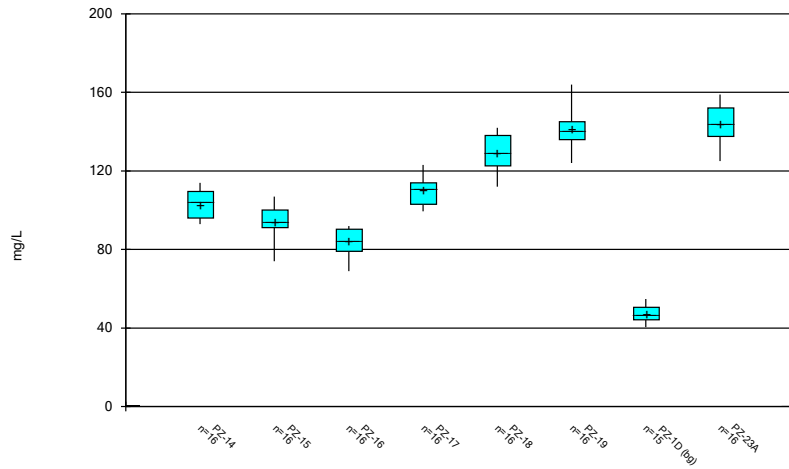
Constituent: Cadmium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



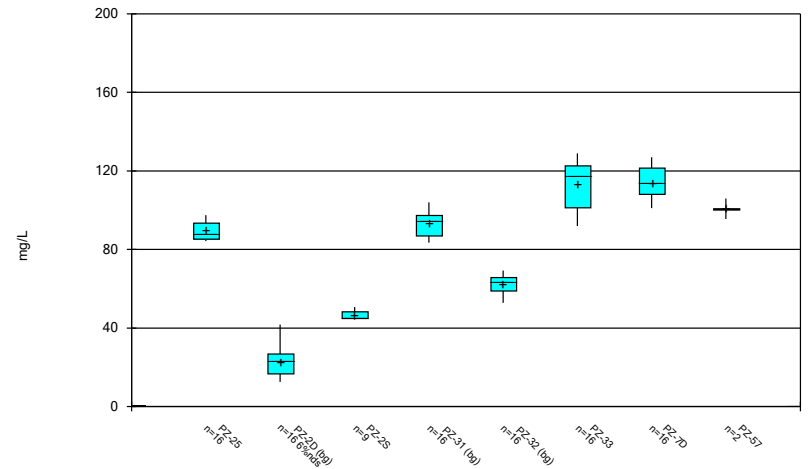
Constituent: Cadmium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



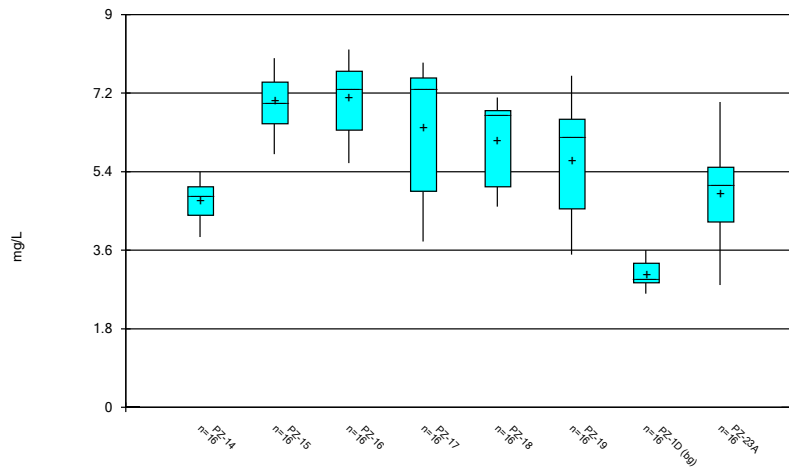
Constituent: Calcium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



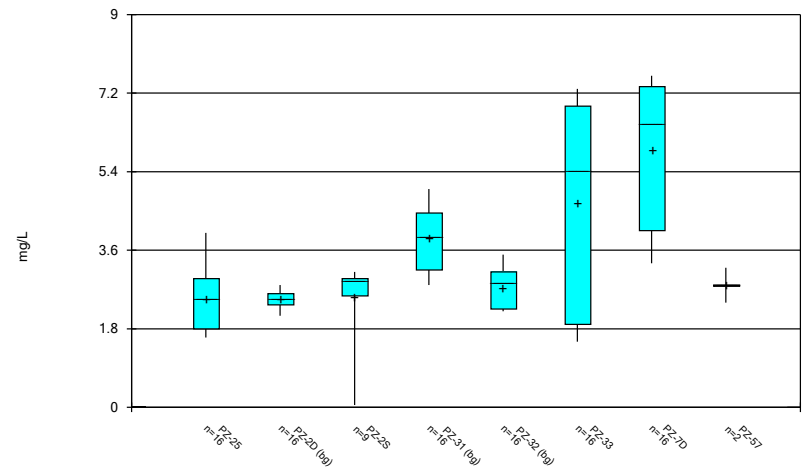
Constituent: Calcium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



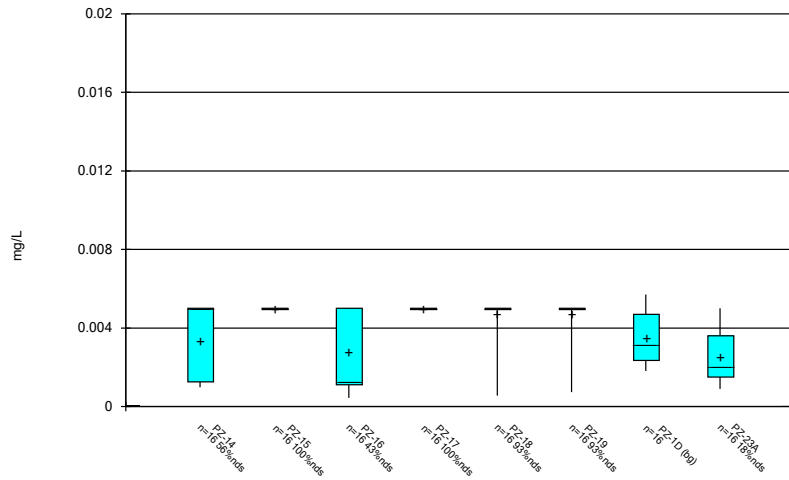
Constituent: Chloride Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



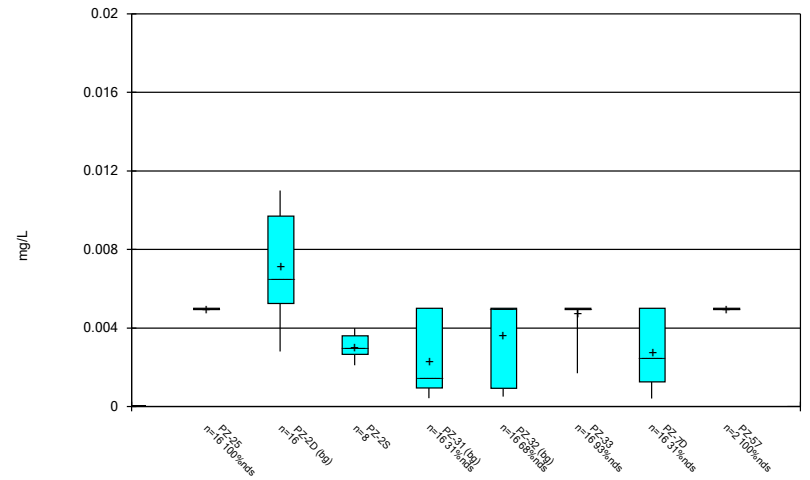
Constituent: Chloride Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



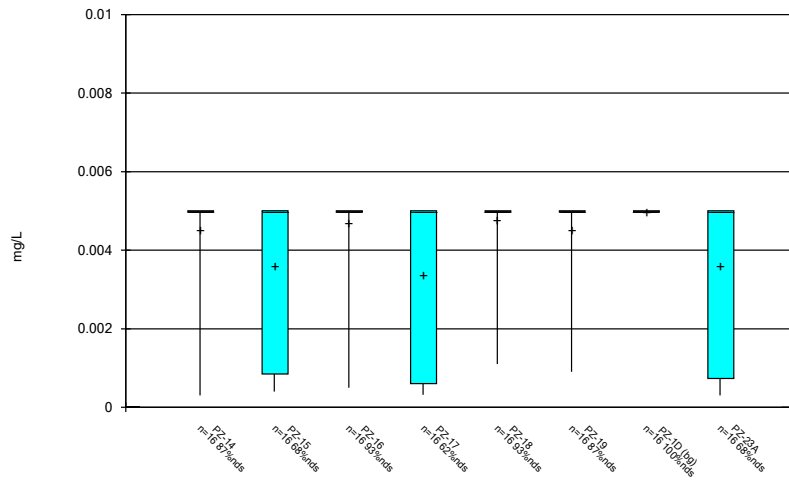
Constituent: Chromium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



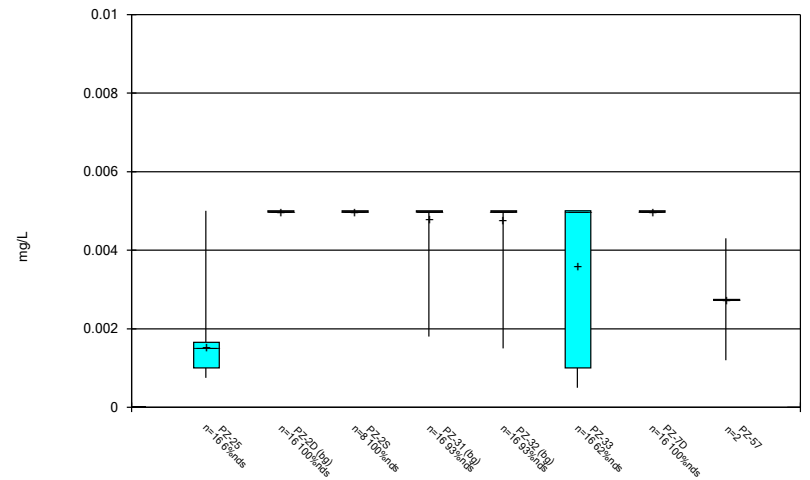
Constituent: Chromium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



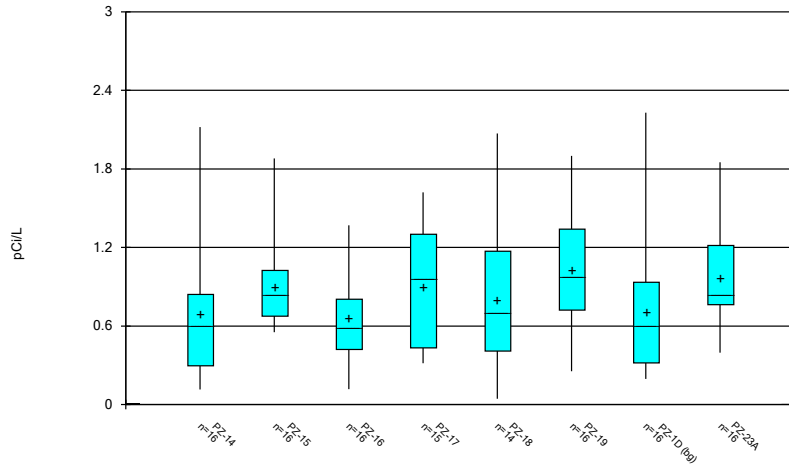
Constituent: Cobalt Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



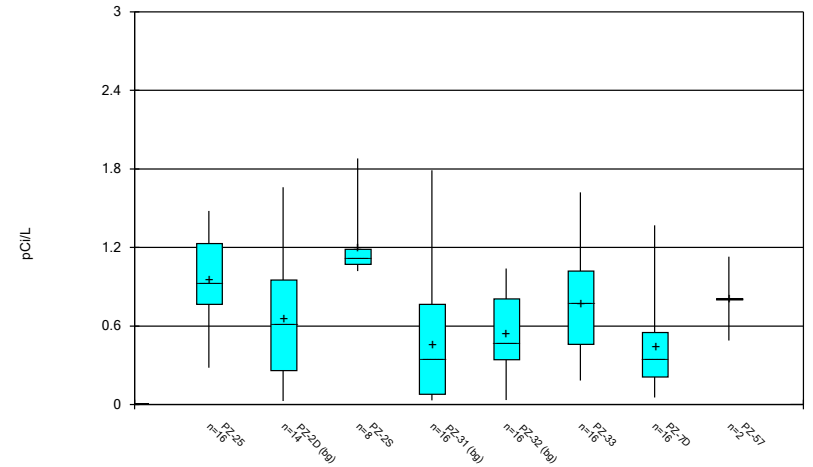
Constituent: Cobalt Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



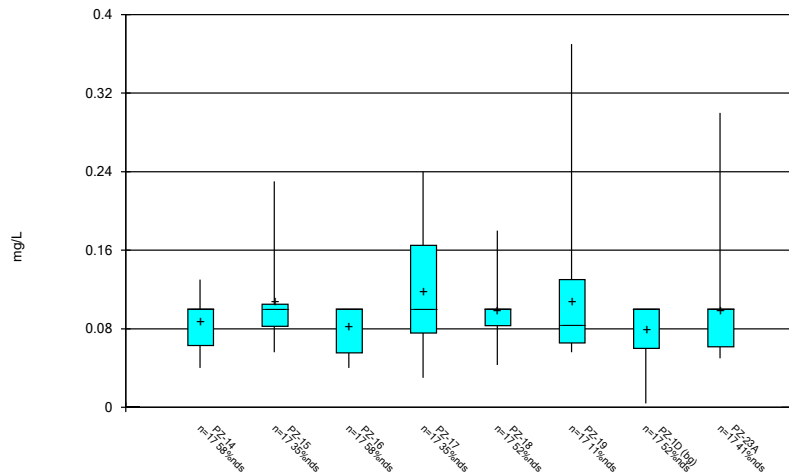
Constituent: Combined Radium 226 + 228 Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



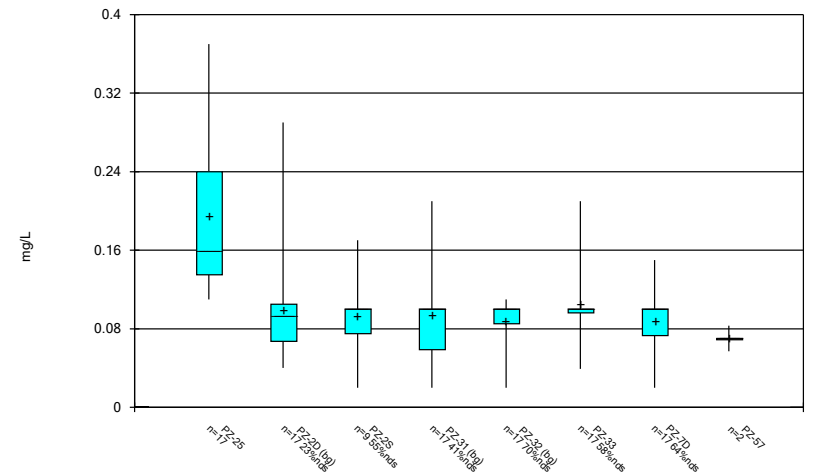
Constituent: Combined Radium 226 + 228 Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



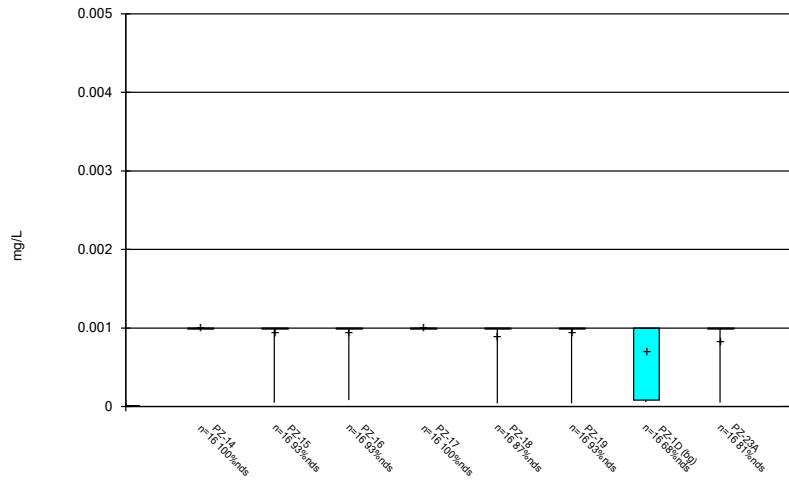
Constituent: Fluoride Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



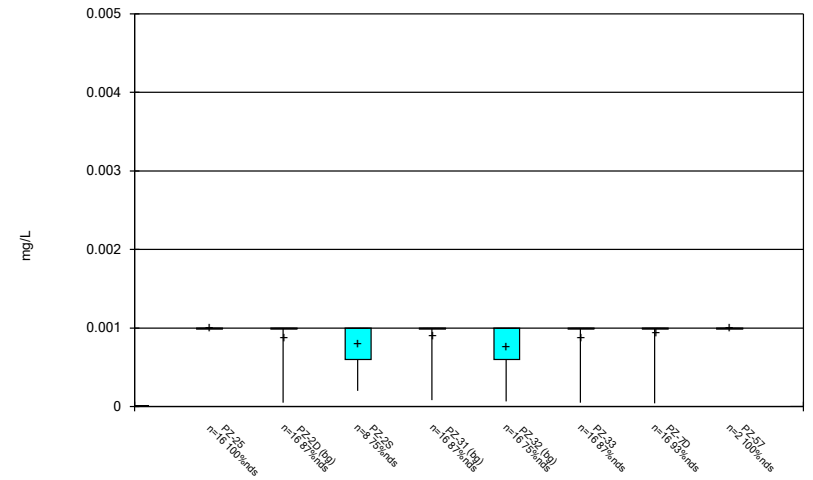
Constituent: Fluoride Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



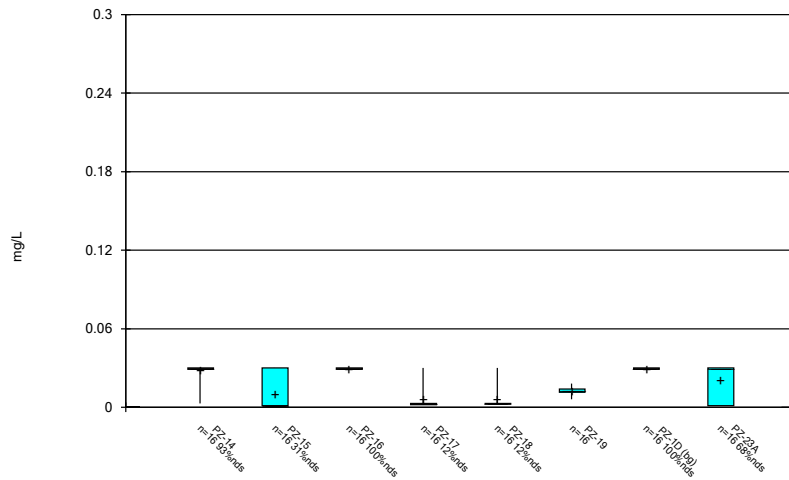
Constituent: Lead Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



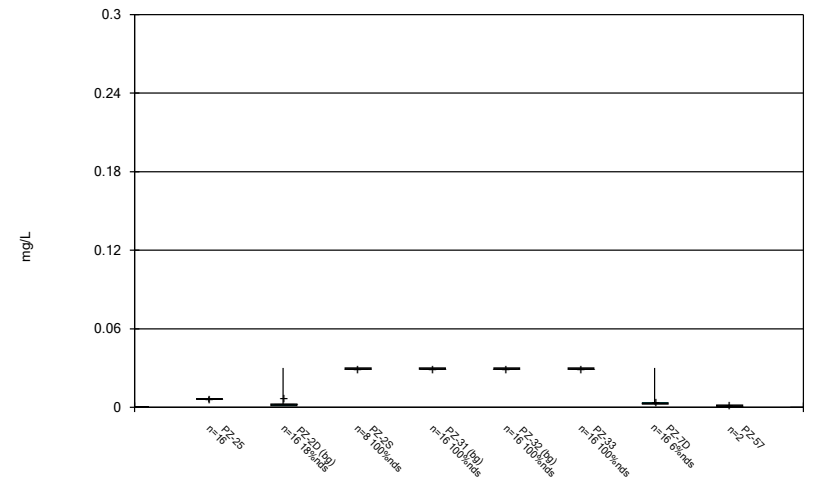
Constituent: Lead Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



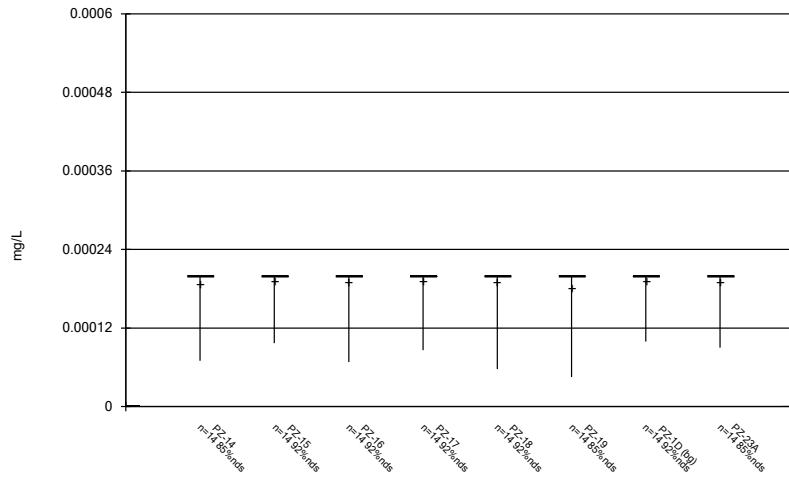
Constituent: Lithium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



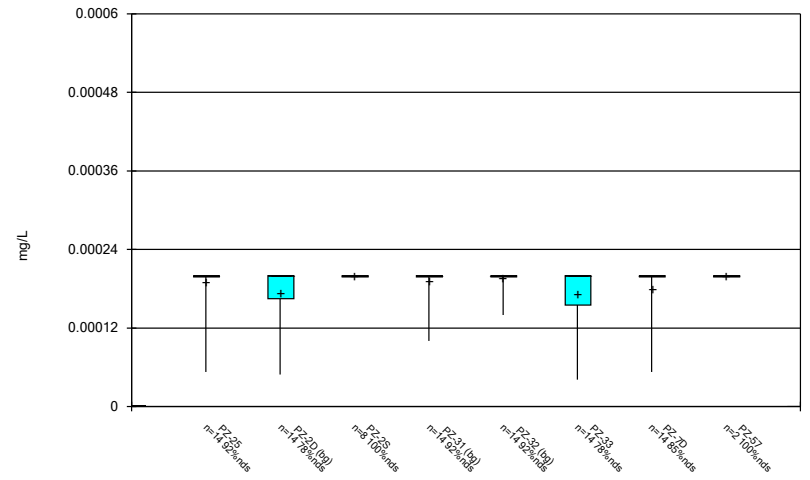
Constituent: Lithium Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



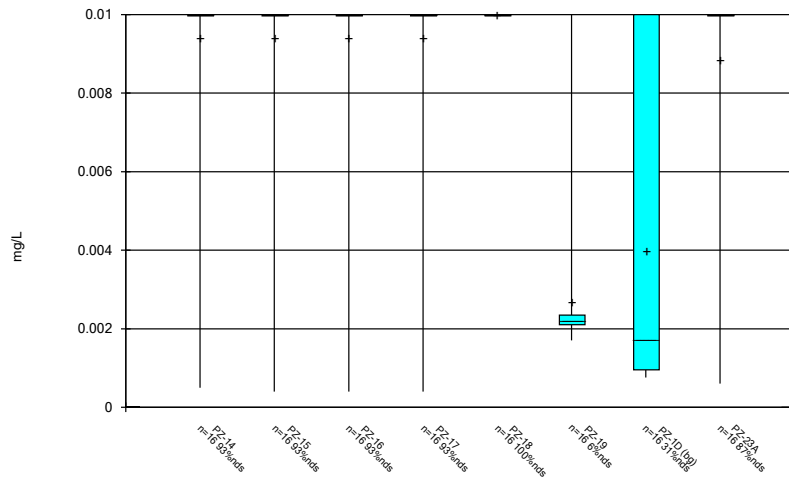
Constituent: Mercury Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



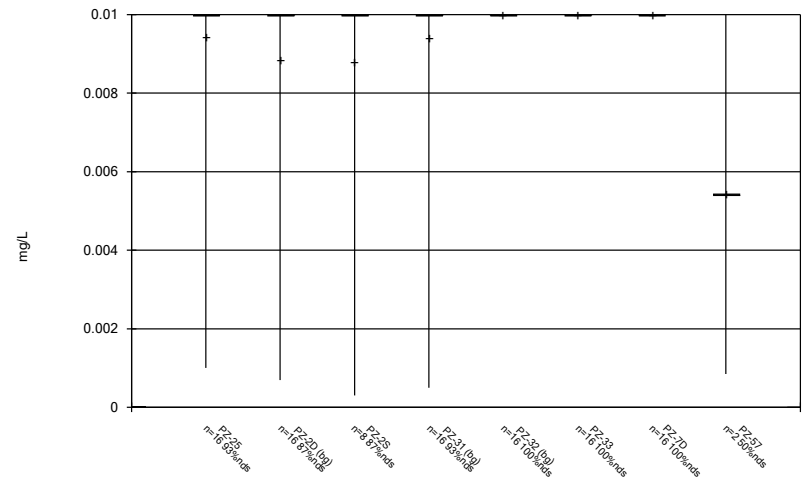
Constituent: Mercury Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



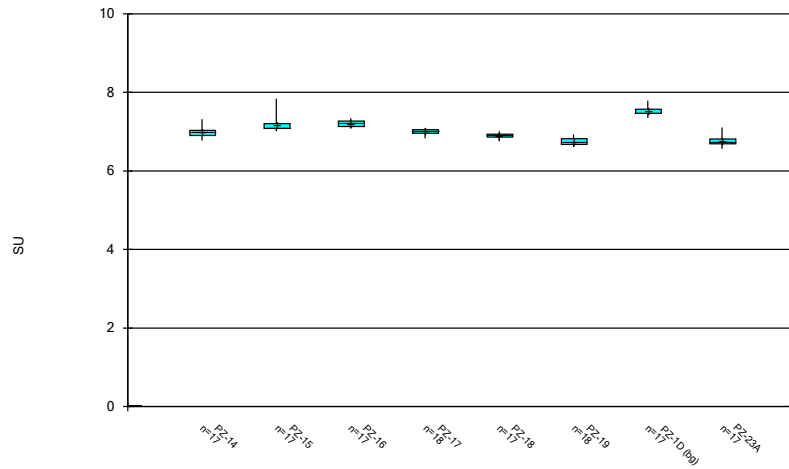
Constituent: Molybdenum Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



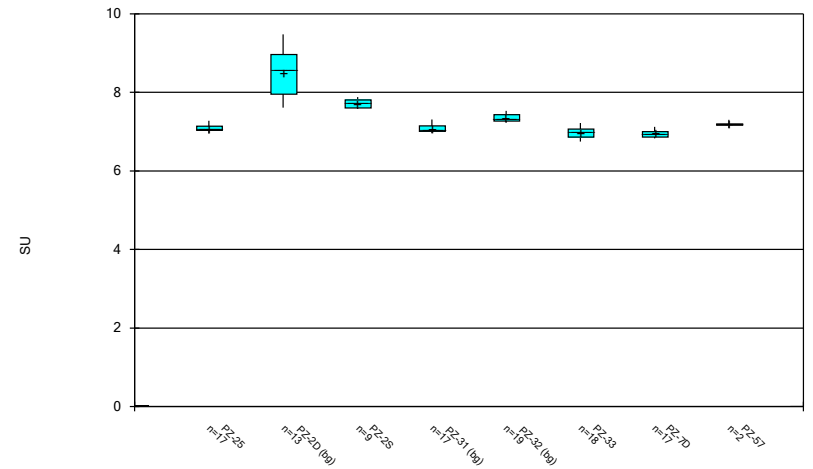
Constituent: Molybdenum Analysis Run 11/21/2022 9:27 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



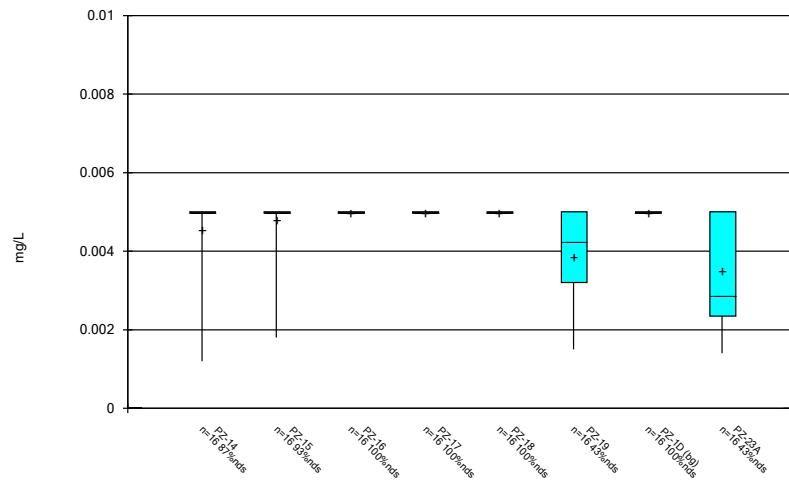
Constituent: pH Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



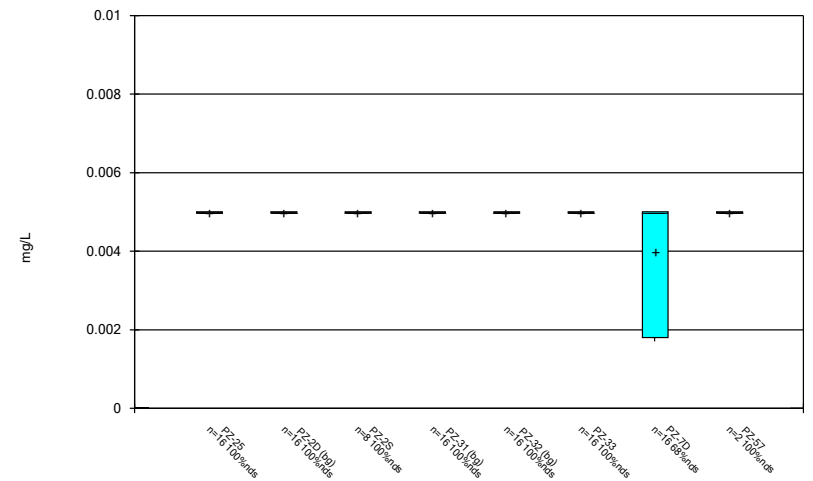
Constituent: pH Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



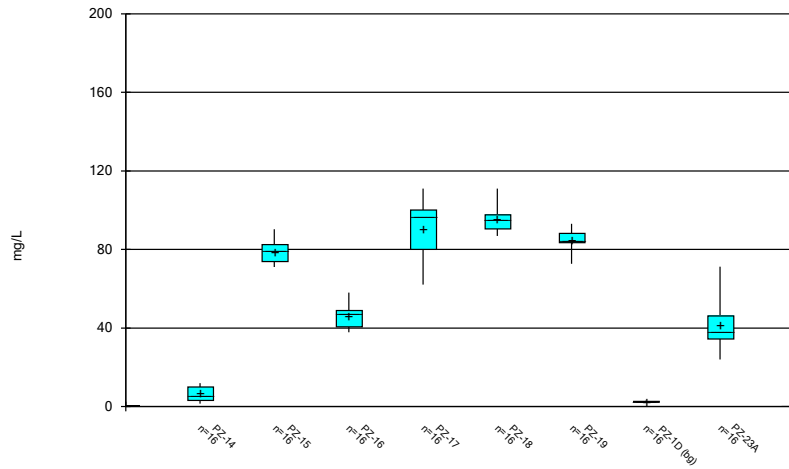
Constituent: Selenium Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



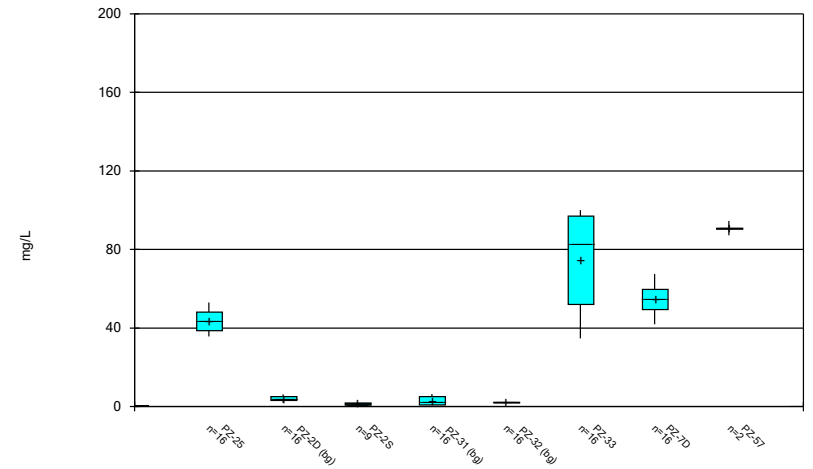
Constituent: Selenium Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



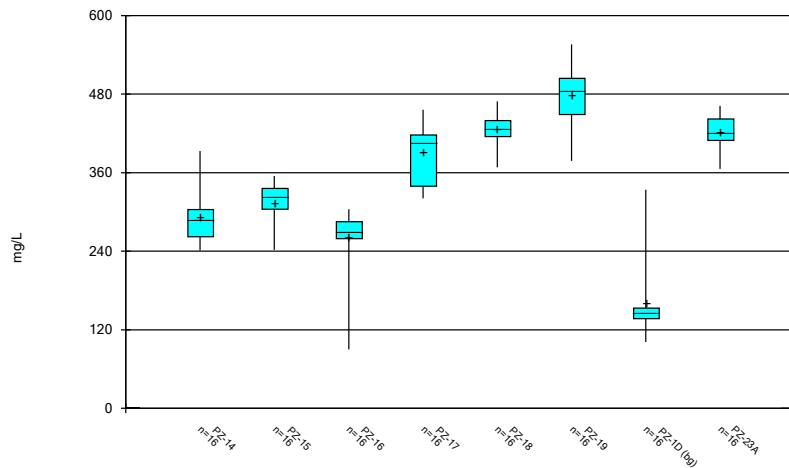
Constituent: Sulfate Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



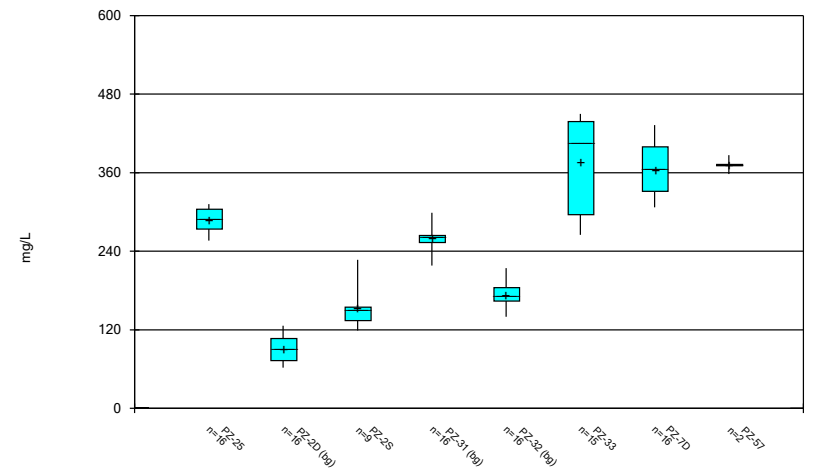
Constituent: Sulfate Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: TDS Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

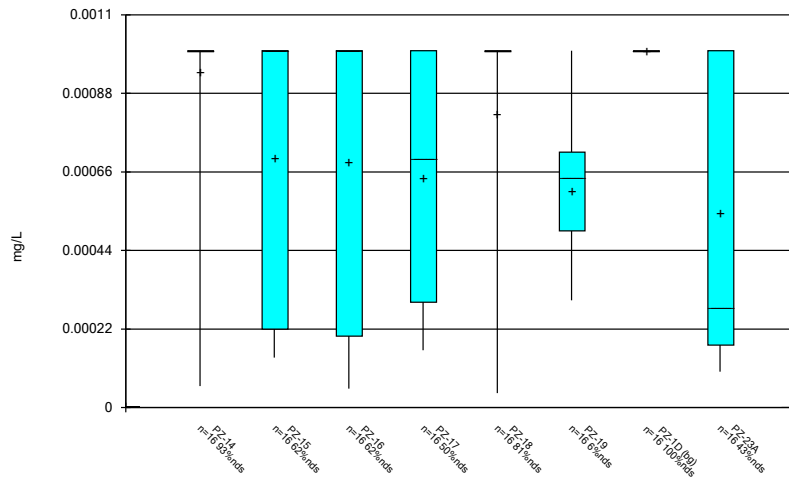
Box & Whiskers Plot



Constituent: TDS Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

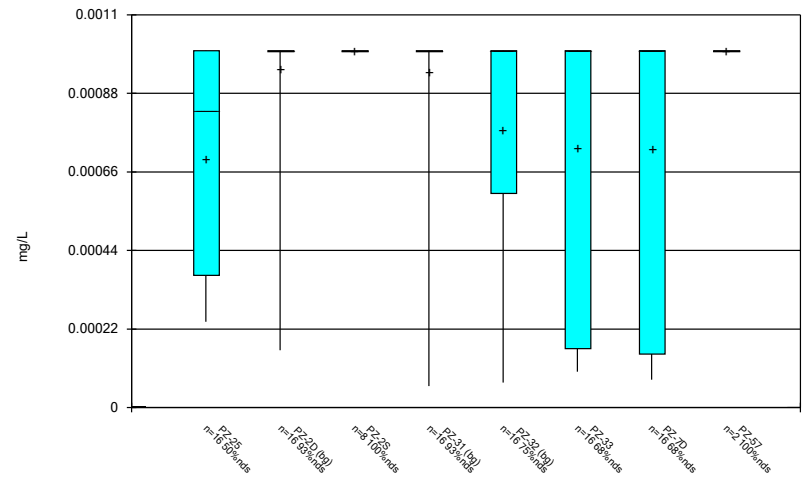


### Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



Constituent: Thallium Analysis Run 11/21/2022 9:28 AM  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE C.

# Outlier Summary

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/6/2022, 12:51 AM

---

	PZ-33 Barium (mg/L)	PZ-1D Calcium (mg/L)	PZ-33 pH (SU)	PZ-33 TDS (mg/L)
12/8/2016	0.162 (o)			503 (o)
7/11/2017			7.82 (o)	
7/11/2018		65.3 (o)		

FIGURE D.

# Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02661	n/a	8/25/2022	0.21	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02661	n/a	8/25/2022	0.24	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02661	n/a	8/25/2022	0.39	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02661	n/a	8/25/2022	0.58	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02661	n/a	8/24/2022	0.19	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02661	n/a	8/24/2022	0.32	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02661	n/a	8/25/2022	0.2	Yes	64	-4.313	0.3429	9.375	None	In(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	109.6	n/a	8/25/2022	141	Yes	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	109.6	n/a	8/25/2022	156	Yes	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	109.6	n/a	8/25/2022	145	Yes	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-14	4.526	n/a	8/25/2022	4.6	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.526	n/a	8/25/2022	6.4	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.526	n/a	8/25/2022	6.3	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.526	n/a	8/25/2022	4.6	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-19	4.526	n/a	8/25/2022	4.6	Yes	64	1.088	0.2104	0	None	In(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-14	9.48	6.96	8/25/2022	6.93	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-18	9.48	6.96	8/25/2022	6.76	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	8/25/2022	6.67	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	8/25/2022	6.76	Yes	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	6.172	n/a	8/25/2022	10.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.172	n/a	8/25/2022	75.5	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.172	n/a	8/25/2022	38.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.172	n/a	8/25/2022	62.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.172	n/a	8/25/2022	96.3	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.172	n/a	8/25/2022	84.4	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.172	n/a	8/25/2022	45.6	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.172	n/a	8/24/2022	35.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.172	n/a	8/24/2022	34.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.172	n/a	8/25/2022	47.3	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	309.4	n/a	8/25/2022	319	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	309.4	n/a	8/25/2022	321	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	309.4	n/a	8/25/2022	446	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	309.4	n/a	8/25/2022	528	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	309.4	n/a	8/25/2022	437	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	309.4	n/a	8/25/2022	325	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2

# Interwell Prediction Limits - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 11/21/2022, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-14	0.02661	n/a	8/25/2022	0.032J	No	64	-4.313	0.3429	9.375	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-15</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.21</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-16</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.24</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Boron (mg/L)	PZ-17	0.02661	n/a	8/25/2022	0.19J	No	64	-4.313	0.3429	9.375	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-18</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.39</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-19</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.58</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Boron (mg/L)	PZ-23A	0.02661	n/a	8/25/2022	0.17J	No	64	-4.313	0.3429	9.375	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-25</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/24/2022</b>	<b>0.19</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-33</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/24/2022</b>	<b>0.32</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>0.02661</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>0.2</b>	<b>Yes</b>	<b>64</b>	<b>-4.313</b>	<b>0.3429</b>	<b>9.375</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-14	109.6	n/a	8/25/2022	108	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	109.6	n/a	8/25/2022	96.7	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	109.6	n/a	8/25/2022	92	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	109.6	n/a	8/25/2022	99.5	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>109.6</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>141</b>	<b>Yes</b>	<b>63</b>	<b>56.47</b>	<b>26.52</b>	<b>1.587</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-19</b>	<b>109.6</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>156</b>	<b>Yes</b>	<b>63</b>	<b>56.47</b>	<b>26.52</b>	<b>1.587</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-23A</b>	<b>109.6</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>145</b>	<b>Yes</b>	<b>63</b>	<b>56.47</b>	<b>26.52</b>	<b>1.587</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-25	109.6	n/a	8/24/2022	87.6	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	109.6	n/a	8/24/2022	96.5	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	109.6	n/a	8/25/2022	107	No	63	56.47	26.52	1.587	None	No	0.0007523	Param Inter 1 of 2
<b>Chloride (mg/L)</b>	<b>PZ-14</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>4.6</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-15</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>6.4</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>6.3</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-17	4.526	n/a	8/25/2022	3.9	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>4.6</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-19</b>	<b>4.526</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>4.6</b>	<b>Yes</b>	<b>64</b>	<b>1.088</b>	<b>0.2104</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-23A	4.526	n/a	8/25/2022	3.2	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-25	4.526	n/a	8/24/2022	1.8	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-33	4.526	n/a	8/24/2022	1.8	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	4.526	n/a	8/25/2022	4.1	No	64	1.088	0.2104	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	8/25/2022	0.051J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	8/25/2022	0.074J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	8/25/2022	0.058J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	8/25/2022	0.078J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	8/25/2022	0.052J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	8/25/2022	0.086J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	8/25/2022	0.074J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	8/24/2022	0.15	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	8/24/2022	0.092J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	8/25/2022	0.056J	No	68	n/a	n/a	47.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-14</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.93</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
pH (SU)	PZ-15	9.48	6.96	8/25/2022	7.15	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-16	9.48	6.96	8/25/2022	7.14	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	8/25/2022	7.05	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-18</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.76</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-19</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.67</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-23A</b>	<b>9.48</b>	<b>6.96</b>	<b>8/25/2022</b>	<b>6.76</b>	<b>Yes</b>	<b>64</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0009281</b>	<b>NP Inter (normality) 1 of 2</b>
pH (SU)	PZ-25	9.48	6.96	8/24/2022	7.1	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	8/24/2022	7.1	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	8/25/2022	6.98	No	64	n/a	n/a	0	n/a	n/a	0.0009281	NP Inter (normality) 1 of 2
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>10.7</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-15</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>75.5</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>38.7</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-17</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>62.7</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-18</b>	<b>6.172</b>	<b>n/a</b>	<b>8/25/2022</b>	<b>96.3</b>	<b>Yes</b>	<b>64</b>	<b>1.633</b>	<b>0.4252</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>

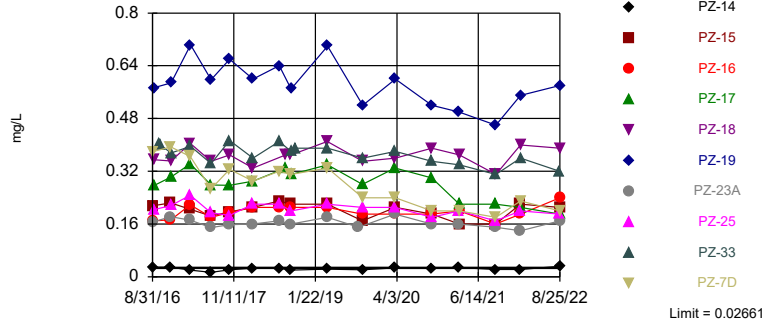
# Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	PZ-19	6.172	n/a	8/25/2022	84.4	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.172	n/a	8/25/2022	45.6	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.172	n/a	8/24/2022	35.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.172	n/a	8/24/2022	34.7	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.172	n/a	8/25/2022	47.3	Yes	64	1.633	0.4252	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-14	309.4	n/a	8/25/2022	259	No	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	309.4	n/a	8/25/2022	319	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	309.4	n/a	8/25/2022	90	No	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	309.4	n/a	8/25/2022	321	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	309.4	n/a	8/25/2022	446	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	309.4	n/a	8/25/2022	528	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	309.4	n/a	8/25/2022	437	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-33	309.4	n/a	8/24/2022	265	No	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	309.4	n/a	8/25/2022	325	Yes	62	173.2	67.95	0	None	No	0.0007523	Param Inter 1 of 2

Exceeds Limit: PZ-15, PZ-16, PZ-18, PZ-19, PZ-25, PZ-33, PZ-7D

Prediction Limit  
Interwell Parametric

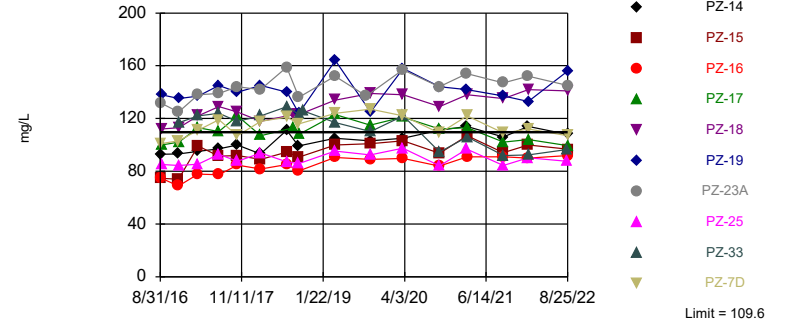


Background Data Summary (based on natural log transformation): Mean=-4.313, Std. Dev.=0.3429, n=64, 9.375% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9612, critical = 0.947. Kappa = 2.003 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Boron Analysis Run 11/21/2022 10:39 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-18, PZ-19, PZ-23A

Prediction Limit  
Interwell Parametric

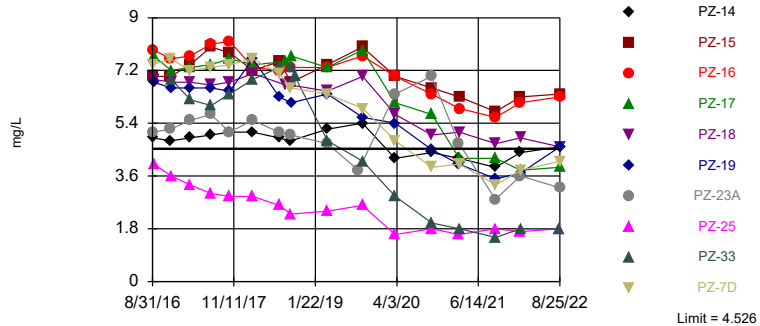


Background Data Summary: Mean=56.47, Std. Dev.=26.52, n=63, 1.587% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9649, critical = 0.947. Kappa = 2.004 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Calcium Analysis Run 11/21/2022 10:39 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-14, PZ-15, PZ-16, PZ-18, PZ-19

Prediction Limit  
Interwell Parametric



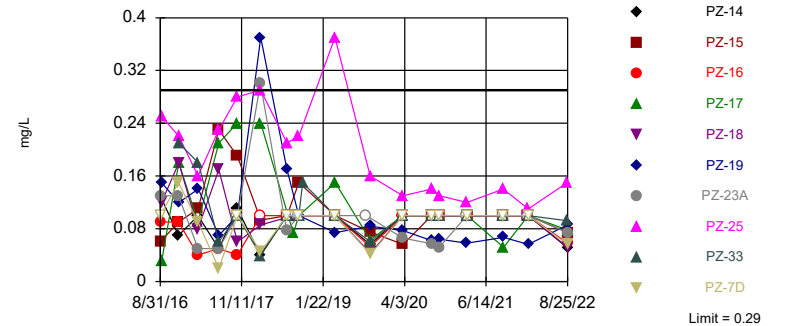
Background Data Summary (based on natural log transformation): Mean=1.088, Std. Dev.=0.2104, n=64. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9613, critical = 0.947. Kappa = 2.003 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Chloride Analysis Run 11/21/2022 10:39 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Interwell Non-parametric



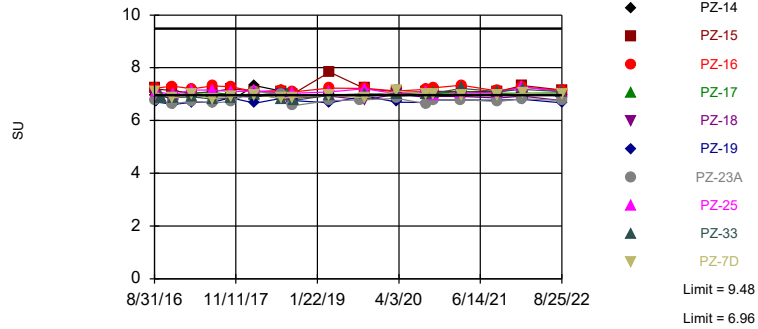
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 68 background values. 47.06% NDs. Annual per-constituent alpha = 0.00819. Individual comparison alpha = 0.0004111 (1 of 2). Comparing 10 points to limit.

Constituent: Fluoride Analysis Run 11/21/2022 10:39 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Exceeds Limits: PZ-14, PZ-18, PZ-19, PZ-23A

Prediction Limit  
Interwell Non-parametric

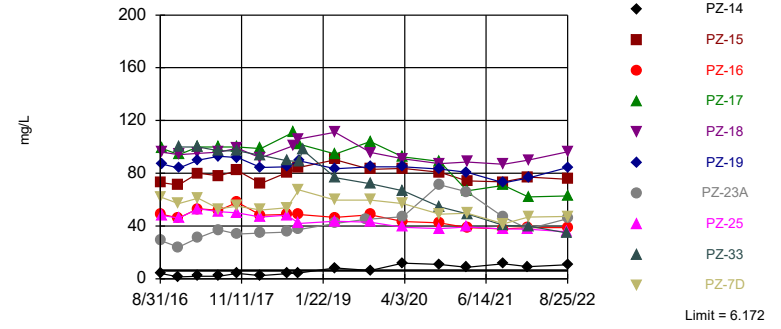


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 64 background values. Annual per-constituent alpha = 0.01848. Individual comparison alpha = 0.0009281 (1 of 2). Comparing 10 points to limit.

Constituent: pH Analysis Run 11/21/2022 10:39 AM View: Appendix III - Interwell PLS  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-7D

Prediction Limit  
Interwell Parametric

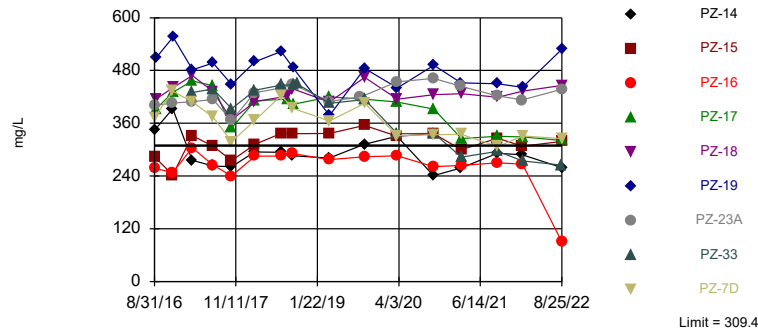


Background Data Summary (based on square root transformation): Mean=1.633, Std. Dev.=0.4252, n=64. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9479, critical = 0.947. Kappa = 2.003 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Sulfate Analysis Run 11/21/2022 10:40 AM View: Appendix III - Interwell PLS  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-15, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-7D

Prediction Limit  
Interwell Parametric



Background Data Summary: Mean=173.2, Std. Dev.=67.95, n=62. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9631, critical = 0.947. Kappa = 2.006 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 9 points to limit. Assumes 1 future value.

Constituent: TDS Analysis Run 11/21/2022 10:40 AM View: Appendix III - Interwell PLS  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	0.0132 (J)								
8/31/2016		0.0285 (J)	0.166						
9/1/2016				0.379	0.215				
9/6/2016						0.17			
9/7/2016							0.276	0.355	0.573
9/8/2016									
10/5/2016									
10/10/2016									
10/18/2016									
12/6/2016	0.0096 (J)								
12/7/2016		0.0292 (J)	0.182	0.394	0.224	0.173			
12/8/2016							0.303	0.351	0.588
3/21/2017	0.0082 (J)	0.0198 (J)	0.172						
3/22/2017				0.365	0.205	0.218	0.342	0.405	
3/23/2017									0.703
7/11/2017	0.0067 (J)	0.0137 (J)	0.149			0.18			
7/12/2017				0.267	0.184		0.278	0.35	0.598
10/17/2017	0.0083 (J)								
10/18/2017		0.0212 (J)	0.158		0.197	0.195	0.277	0.37	
10/19/2017				0.326					0.66
2/20/2018	0.024 (J)	0.026 (J)	0.16						
2/21/2018				0.29	0.21	0.21	0.29	0.33	0.6
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	0.017 (J)	0.026 (J)	0.17						
7/12/2018				0.32	0.23	0.21			0.64
8/15/2018								0.37	
8/16/2018							0.33		
8/17/2018									
9/12/2018	0.012 (J)	0.02 (J)							
9/13/2018			0.16	0.31	0.22	0.21		0.37	
9/14/2018							0.31		0.57
10/4/2018									
10/24/2018									
3/26/2019	0.0082								
3/27/2019		0.023	0.18			0.21		0.41	
3/28/2019				0.33	0.22		0.34		0.7
9/10/2019			0.15						
10/1/2019	0.0064 (X)								
10/2/2019		0.021 (X)			0.17	0.19	0.28		
10/3/2019				0.24				0.35	0.52
3/24/2020	0.013 (J)								
3/25/2020		0.027 (J)	0.19				0.33		
3/26/2020				0.24	0.21	0.19		0.36	0.6
10/6/2020	0.015 (J)	0.026 (J)	0.16			0.19			
10/7/2020				0.2	0.19		0.3	0.39	0.52
3/3/2021	0.01 (J)	0.028 (J)	0.16				0.22	0.37	0.5
3/4/2021				0.2	0.16	0.2	0.22	0.37	
3/8/2021									
9/14/2021	<0.04								
9/15/2021		0.022 (J)	0.15		0.16	0.16			

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
9/16/2021				0.18			0.22	0.31	0.46
1/25/2022	0.01 (J)								
1/26/2022		0.022 (J)	0.14		0.22	0.19			
1/27/2022				0.23			0.21	0.4	0.55
8/24/2022	0.011 (J)								
8/25/2022		0.032 (J)	0.17 (J)	0.2	0.21	0.24	0.19 (J)	0.39	0.58

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-31 (bg)	PZ-32 (bg)	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	0.204				
10/5/2016		0.404			
10/10/2016		0.401			
10/18/2016			0.0174 (J)	0.0156 (J)	
12/6/2016			0.0133 (J)		
12/7/2016				0.0157 (J)	
12/8/2016	0.216	0.375			
3/21/2017			0.0103 (J)		
3/22/2017	0.247				
3/23/2017		0.396		0.0103 (J)	
7/11/2017	0.194		<0.04	<0.04	
7/12/2017		0.343			
10/17/2017			0.0116 (J)	0.0142 (J)	
10/18/2017	0.186				
10/19/2017		0.413			
2/20/2018			0.046 (J)	0.011 (J)	
2/21/2018	0.22	0.36			
4/12/2018					0.016 (J)
5/23/2018					0.018 (J)
6/13/2018					0.014 (J)
7/11/2018			0.014 (J)	0.014 (J)	0.017 (J)
7/12/2018	0.22	0.41			
8/15/2018					
8/16/2018					
8/17/2018					0.015 (J)
9/12/2018			0.0098 (J)		0.013 (J)
9/13/2018	0.2			0.013 (J)	
9/14/2018		0.38			
10/4/2018		0.39			0.016 (J)
10/24/2018					0.018 (J)
3/26/2019			0.0076		
3/27/2019	0.22			0.012	0.016
3/28/2019		0.39			
9/10/2019					
10/1/2019				0.011 (X)	
10/2/2019	0.21		0.0084 (X)		0.011 (X)
10/3/2019		0.36			
3/24/2020					0.015 (J)
3/25/2020	0.21		0.011 (J)	0.016 (J)	
3/26/2020		0.38			
10/6/2020			0.011 (J)	0.015 (J)	0.018 (J)
10/7/2020	0.18	0.35			
3/3/2021	0.2		0.0087 (J)	0.022 (J)	
3/4/2021		0.34			
3/8/2021					0.013 (J)
9/14/2021				0.012 (J)	0.011 (J)
9/15/2021	0.17		<0.04		

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-33	PZ-31 (bg)	PZ-32 (bg)	PZ-2D (bg)
9/16/2021		0.31			
1/25/2022					0.013 (J)
1/26/2022	0.2		<0.04	0.01 (J)	
1/27/2022		0.36			
8/24/2022	0.19	0.32	<0.04	0.022 (J)	0.012 (J)
8/25/2022					



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		114	152		100	90.1			
1/27/2022				112			104	142	133
8/24/2022	45.8								
8/25/2022		108	145	107	96.7	92	99.5	141	156

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	85.2				
10/18/2016		57.2	88.3		
12/6/2016			83.4		
12/7/2016		52.8			
12/8/2016	84.5			117	
3/21/2017			94		
3/22/2017	85.3				
3/23/2017		59.1		122	
7/11/2017	93	59.7	86		
7/12/2017				124	
10/17/2017		64.9	91.6		
10/18/2017	87.6				
10/19/2017				118	
2/20/2018		64.1	86.5		
2/21/2018	93.9			122	
4/12/2018					<25
5/23/2018					17.6 (J)
6/13/2018					14.3
7/11/2018		60.4	95.4		15.6
7/12/2018	87.1			129	
8/15/2018					
8/16/2018					
8/17/2018					27
9/12/2018			86		26.9
9/13/2018	85.8	58.7			
9/14/2018				123	
10/4/2018				126	25
10/24/2018					23.8
3/26/2019			87.3		
3/27/2019	95.2	54.6			26.1
3/28/2019				117	
9/10/2019					
10/1/2019		64.3			
10/2/2019	92.3		95.5		21
10/3/2019				110	
3/24/2020					26.5
3/25/2020	97.5	66.6	95.8		
3/26/2020				122	
10/6/2020		62.8	98.8		22.7
10/7/2020	84.2			94.7	
3/3/2021	96.8	64.8 (M1)	104		
3/4/2021				106	
3/8/2021					41.7
9/14/2021		67.8			13.4
9/15/2021	84.4		101		
9/16/2021				92	
1/25/2022					20.7



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	90.2	69.2	102		
1/27/2022				92.5	
8/24/2022	87.6	67.1	95.2	96.5	27.3
8/25/2022					



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-19	PZ-18	PZ-17
1/26/2022		4.4	3.6		6.3	6.1			
1/27/2022				3.8			3.7	4.9	3.8
8/24/2022	2.6								
8/25/2022		4.6	3.2	4.1	6.4	6.3	4.6	4.6	3.9

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	4				
10/18/2016		4.5	3.5		
12/6/2016		5			
12/7/2016			3.2		
12/8/2016	3.6			6.9	
3/21/2017		4.3			
3/22/2017	3.3				
3/23/2017			2.9	6.2	
7/11/2017	3	4.7	3.1		
7/12/2017				6	
10/17/2017		4.6	3		
10/18/2017	2.9				
10/19/2017				6.4	
2/20/2018		4.4	3		
2/21/2018	2.9			6.9	
4/12/2018					2.6
5/23/2018					2.5
6/13/2018					2.5
7/11/2018		4	2.8		2.6
7/12/2018	2.6			7.3	
8/15/2018					
8/16/2018					
8/17/2018					2.6
9/12/2018		3.7			2.3
9/13/2018	2.3		2.2		
9/14/2018				7.3	
10/4/2018				7	2.7
10/24/2018					2.8
3/26/2019		3.8			
3/27/2019	2.4		3.1		2.5
3/28/2019				4.8	
9/10/2019					
10/1/2019			3.1		
10/2/2019	2.6	4.3			2.7
10/3/2019				4.1	
3/24/2020					2.2
3/25/2020	1.6	3	2.2		
3/26/2020				2.9	
10/6/2020		3.4	2.3		2.3
10/7/2020	1.8			2	
3/3/2021	1.6	3.1	2.2		
3/4/2021				1.8	
3/8/2021					2.4
9/14/2021			2.2		2.5
9/15/2021	1.8	2.8			
9/16/2021				1.5	
1/25/2022					2.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	1.7	3.2	2.4		
1/27/2022				1.8	
8/24/2022	1.8	3	2.7	1.8	2.1
8/25/2022					



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-17	PZ-18	PZ-19
9/15/2021		<0.1	<0.1	<0.1		<0.1			
9/16/2021					<0.1		0.052 (J)	<0.1	0.067 (J)
1/25/2022	<0.1								
1/26/2022		<0.1	<0.1	<0.1		<0.1			
1/27/2022					<0.1		<0.1	<0.1	0.056 (J)
8/24/2022	0.08 (J)								
8/25/2022		0.051 (J)	0.074 (J)	0.074 (J)	0.056 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	0.25 (J)				
10/18/2016		0.11 (J)	0.16 (J)		
12/6/2016			0.15 (J)		
12/7/2016		0.07 (J)			
12/8/2016	0.22 (J)			0.21 (J)	
3/21/2017			0.02 (J)		
3/22/2017	0.16 (J)				
3/23/2017		<0.1		0.18 (J)	
7/11/2017	0.23 (J)	0.02 (J)	0.06 (J)		
7/12/2017				0.06 (J)	
10/17/2017		<0.1	0.05 (J)		
10/18/2017	0.28 (J)				
10/19/2017				<0.1	
2/20/2018		<0.1	0.21 (J)		
2/21/2018	0.29 (J)			0.039 (J)	
4/12/2018					<0.1
5/23/2018					0.063 (J)
6/13/2018					0.11 (J)
7/11/2018		<0.1	0.087 (J)		<0.1
7/12/2018	0.21 (J)			<0.1	
8/15/2018					
8/16/2018					
8/17/2018					<0.1
9/12/2018			0.049 (J)		0.093 (J)
9/13/2018	0.22 (J)	<0.1			
9/14/2018				<0.1	
10/4/2018				0.15 (J)	0.15 (J)
10/24/2018					0.29 (J)
3/26/2019			<0.1		
3/27/2019	0.37	<0.1			0.04
3/28/2019				<0.1	
9/10/2019					
10/1/2019		0.042 (X)			
10/2/2019	0.16 (X)		0.057 (X)		0.11 (X)
10/3/2019				0.06 (X)	
3/24/2020					0.051 (J)
3/25/2020	0.13 (J)	<0.1	<0.1		
3/26/2020				<0.1	
8/25/2020		<0.1	<0.1		
8/26/2020	0.14			<0.1	0.057 (J)
8/27/2020					
10/6/2020		<0.1	<0.1		0.073 (J)
10/7/2020	0.13			<0.1	
3/3/2021	0.12	<0.1	<0.1		
3/4/2021				<0.1	
3/8/2021					<0.1
9/14/2021		<0.1			0.089 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
9/15/2021	0.14		<0.1		
9/16/2021				<0.1	
1/25/2022					0.071 (J)
1/26/2022	0.11	<0.1	<0.1		
1/27/2022				<0.1	
8/24/2022	0.15	0.058 (J)	0.069 (J)	0.092 (J)	0.088 (J)
8/25/2022					



# Prediction Limit

Constituent: pH (SU) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-19	PZ-18	PZ-17
1/26/2022		7.05	6.83		7.33	7.26			
1/27/2022				7.03			6.8	6.92	7.03
8/24/2022	7.49								
8/25/2022		6.93	6.76	6.98	7.15	7.14	6.67	6.76	7.05

# Prediction Limit

Constituent: pH (SU) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	7.1				
10/4/2016		6.88			
10/5/2016		6.91			
10/17/2016			7.43		
10/18/2016			7.45	7.15	
12/6/2016				7.04	
12/7/2016			7.29		
12/8/2016	6.98	6.86			
3/21/2017				7.01	
3/22/2017	7.16				
3/23/2017		6.9	7.26		
7/11/2017	7.15	7.82 (o)	7.31	6.96	
7/12/2017		6.81			
10/17/2017			7.29	7.31	7.61
10/18/2017	7.09				
10/19/2017		6.86			
2/20/2018			7.26		
2/21/2018	7.12	7.02			
7/11/2018			7.39	7.26	9.48
7/12/2018		6.82		7.01	
8/15/2018					
8/16/2018					
9/12/2018				7.02	9.07
9/13/2018	7.03		7.25		
9/14/2018		6.75			
3/26/2019				7	
3/27/2019	7.08		7.42		8.76
3/28/2019		6.96			
9/10/2019					
10/1/2019			7.43		
10/2/2019	7.2			7.09	8.97
10/3/2019		7.01			
3/24/2020					8.57
3/25/2020	7.01		7.23	7.15	
3/26/2020		7			
8/25/2020			7.53	7.14	
8/26/2020	7.09	6.99			7.97
8/27/2020					
10/6/2020			7.27	7.01	8.72
10/7/2020	6.95	7.04			
3/3/2021	7.04		7.41	7.14	
3/4/2021		7.22			
3/8/2021					7.77
9/14/2021			7.31		8.96
9/15/2021	7.05			6.99	
9/16/2021		7.1			
1/25/2022					8.4

# Prediction Limit

Constituent: pH (SU) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
1/26/2022	7.28		7.44	7.1	
1/27/2022		7.18			
8/24/2022	7.1	7.1	7.34	7.04	8.01
8/25/2022					



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-19	PZ-18	PZ-17
1/26/2022		9.1	37.8		77.2	38.9			
1/27/2022				46.7			76.3	89.9 (M1)	62.1
8/24/2022	2.2								
8/25/2022		10.7	45.6	47.3	75.5	38.7	84.4	96.3	62.7

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	48				
10/18/2016		2.2	2.3		
12/6/2016		6.1			
12/7/2016			1.9		
12/8/2016	46			100	
3/21/2017		5.7			
3/22/2017	53				
3/23/2017			1.7	100	
7/11/2017	51	4.8	1.8		
7/12/2017				97	
10/17/2017		6.4	1.9		
10/18/2017	50				
10/19/2017				97	
2/20/2018		5.2	2.1		
2/21/2018	46.8			93.6	
4/12/2018					4.8 (J)
5/23/2018					4.5
6/13/2018					5.3
7/11/2018		3.6	2		5.4
7/12/2018	48.3			89.4	
8/15/2018					
8/16/2018					
8/17/2018					4.5
9/12/2018		2.7			4.4
9/13/2018	42		2.1		
9/14/2018				88.9	
10/4/2018				97.8	5.8
10/24/2018					6.2
3/26/2019		1.6			
3/27/2019	43.7		2.4		3.7
3/28/2019				76.7	
9/10/2019					
10/1/2019			2.2		
10/2/2019	43	1.6			4.1
10/3/2019				72.1	
3/24/2020					3.1
3/25/2020	39.1	1.5	1.9		
3/26/2020				66.6	
10/6/2020		0.98 (J)	1.9		3.1
10/7/2020	38.1			54.6	
3/3/2021	39.2	0.6 (J)	2		
3/4/2021				49.3	
3/8/2021					2.7
9/14/2021			1.8		3.8
9/15/2021	37.8	0.64 (J)			
9/16/2021				40.4	
1/25/2022					2.9



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	37.5	0.69 (J)	1.9		
1/27/2022				40	
8/24/2022	35.7	0.56 (J)	1.7	34.7	2
8/25/2022					

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-18	PZ-17	PZ-19
8/30/2016	136								
8/31/2016		344	400						
9/1/2016				284	373				
9/6/2016						257			
9/7/2016							415	392	508
10/18/2016									
12/6/2016	207								
12/7/2016		393	406	242	433	248			
12/8/2016							441	431	556
3/21/2017	128	276	409						
3/22/2017				332	409	304	469	456	
3/23/2017									482
7/11/2017	138	263	414			265			
7/12/2017				308	374		432	445	497
10/17/2017	101								
10/18/2017		261	366	275		240	368	349	
10/19/2017					318				448
2/20/2018	138	295	429						
2/21/2018				312	367	285	409	411	500
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	153	294	440						
7/12/2018				337	423	285			523
8/15/2018							422		
8/16/2018								415	
8/17/2018									
9/12/2018	146	286							
9/13/2018			448	336	394	291	438		
9/14/2018								403	486
10/4/2018									
10/24/2018									
3/26/2019	334								
3/27/2019		281	410			277	408		
3/28/2019				337	365			420	378
9/10/2019			420						
10/1/2019	146								
10/2/2019		312		355		284		415	
10/3/2019					405		464		485
3/24/2020	228								
3/25/2020		330	454					408	
3/26/2020				330	332	286	415		440
10/6/2020	153	241	462			261			
10/7/2020				336	334		425	392	492
3/3/2021	134	258	444						452
3/4/2021				300	335	264	427	325	
3/8/2021									
9/14/2021	150								
9/15/2021		292	422	326		270			
9/16/2021					307		419	330	450
1/25/2022	148								
1/26/2022		288	413	308		267			

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-18	PZ-17	PZ-19
1/27/2022					331		433	329	442
8/24/2022	139								
8/25/2022		259	437	319	325	90	446	321	528

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLs  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016				
8/31/2016				
9/1/2016				
9/6/2016				
9/7/2016				
10/18/2016	264	152		
12/6/2016	299			
12/7/2016		214		
12/8/2016			503 (o)	
3/21/2017	260			
3/22/2017				
3/23/2017		165	430	
7/11/2017	244	162		
7/12/2017			438	
10/17/2017	218	140		
10/18/2017				
10/19/2017			393	
2/20/2018	264	163		
2/21/2018			435	
4/12/2018				69
5/23/2018				62
6/13/2018				93
7/11/2018	273	192		84
7/12/2018			447	
8/15/2018				
8/16/2018				
8/17/2018				115
9/12/2018	252			97
9/13/2018		192		
9/14/2018			447	
10/4/2018			450	103
10/24/2018				110
3/26/2019	253			
3/27/2019		167		87
3/28/2019			405	
9/10/2019				
10/1/2019		187		
10/2/2019	263			95
10/3/2019			414	
3/24/2020				123
3/25/2020	278	178		
3/26/2020			336	
10/6/2020	254	169		81
10/7/2020			337	
3/3/2021	264	166		
3/4/2021			283	
3/8/2021				126
9/14/2021		179		71
9/15/2021	256			
9/16/2021			296	
1/25/2022				68
1/26/2022	262	182		

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/21/2022 10:41 AM View: Appendix III - Interwell PLS  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/27/2022			274	
8/24/2022	261		265	
8/25/2022				

FIGURE E.

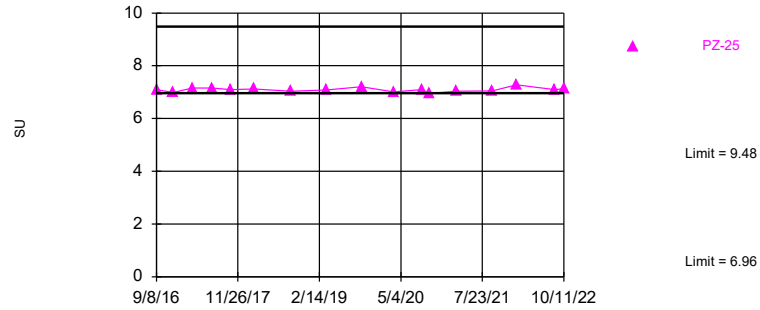
# Interwell Prediction Limits - Resample Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:43 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	PZ-25	9.48	6.96	10/11/2022	7.13	No	66	n/a	n/a	0	n/a	n/a	0.0008751	NP Inter (normality) 1 of 2
TDS (mg/L)	PZ-25	307.8	n/a	10/11/2022	267	No	64	171.6	67.98	0	None	No	0.0007523	Param Inter 1 of 2

Within Limits

Prediction Limit  
Interwell Non-parametric

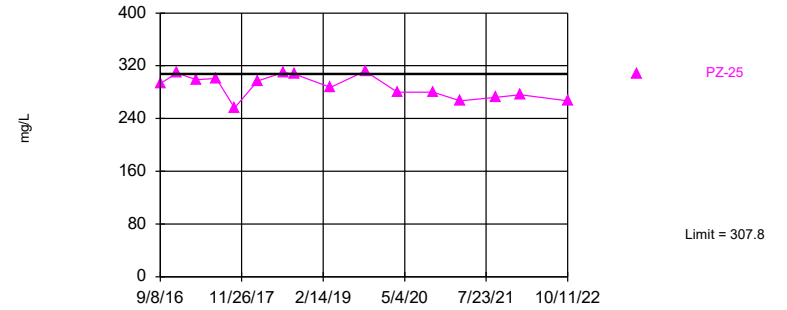


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 66 background values. Annual per-constituent alpha = 0.01743. Individual comparison alpha = 0.0008751 (1 of 2). Assumes 9 future values.

Constituent: pH Analysis Run 11/21/2022 10:43 AM View: Appendix III - Interwell PLs Resample  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Within Limit

Prediction Limit  
Interwell Parametric



Background Data Summary: Mean=171.6, Std. Dev.=67.98, n=64. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9633, critical = 0.947. Kappa = 2.003 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Assumes 9 future values.

Constituent: TDS Analysis Run 11/21/2022 10:43 AM View: Appendix III - Interwell PLs Resample  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



# Prediction Limit

Constituent: pH (SU) Analysis Run 11/21/2022 10:43 AM View: Appendix III - Interwell PLs Resample

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
8/30/2016	7.67				
9/8/2016		7.1			
10/17/2016			7.43		
10/18/2016			7.45	7.15	
12/6/2016	7.57			7.04	
12/7/2016			7.29		
12/8/2016		6.98			
3/21/2017	7.54			7.01	
3/22/2017		7.16			
3/23/2017			7.26		
7/11/2017	7.43	7.15	7.31	6.96	
10/17/2017	7.7		7.29	7.31	7.61
10/18/2017		7.09			
2/20/2018	7.57		7.26		
2/21/2018		7.12			
7/11/2018	7.48		7.39	7.26	9.48
7/12/2018				7.01	
9/12/2018	7.41			7.02	9.07
9/13/2018		7.03	7.25		
3/26/2019	7.49			7	
3/27/2019		7.08	7.42		8.76
10/1/2019	7.5		7.43		
10/2/2019		7.2		7.09	8.97
3/24/2020	7.79				8.57
3/25/2020		7.01	7.23	7.15	
8/25/2020	7.49		7.53	7.14	
8/26/2020		7.09			7.97
10/6/2020	7.35		7.27	7.01	8.72
10/7/2020		6.95			
3/3/2021	7.56	7.04	7.41	7.14	
3/8/2021					7.77
9/14/2021	7.45		7.31		8.96
9/15/2021		7.05		6.99	
1/25/2022	7.51				8.4
1/26/2022		7.28	7.44	7.1	
8/24/2022	7.49	7.1	7.34	7.04	8.01
10/11/2022		7.13	7.37		7.94

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 11/21/2022 10:43 AM View: Appendix III - Interwell PLs Resample

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-2D (bg)
8/30/2016	136				
9/8/2016		293			
10/18/2016			264	152	
12/6/2016	207		299		
12/7/2016				214	
12/8/2016		309			
3/21/2017	128		260		
3/22/2017		299			
3/23/2017				165	
7/11/2017	138	301	244	162	
10/17/2017	101		218	140	
10/18/2017		256			
2/20/2018	138		264	163	
2/21/2018		297			
4/12/2018					69
5/23/2018					62
6/13/2018					93
7/11/2018	153		273	192	84
7/12/2018		310			
8/17/2018					115
9/12/2018	146		252		97
9/13/2018		307		192	
10/4/2018					103
10/24/2018					110
3/26/2019	334		253		
3/27/2019		287		167	87
10/1/2019	146			187	
10/2/2019		312	263		95
3/24/2020	228				123
3/25/2020		280	278	178	
10/6/2020	153		254	169	81
10/7/2020		280			
3/3/2021	134	267	264	166	
3/8/2021					126
9/14/2021	150			179	71
9/15/2021		272	256		
1/25/2022	148				68
1/26/2022		276	262	182	
8/24/2022	139		261		
10/11/2022		267		173	75

FIGURE F.

# Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-33	-0.01244	-78	-68	Yes	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D	-0.0341	-84	-58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	4.478	83	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	2.442	69	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-32 (bg)	1.939	70	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16	-0.347	-76	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18	-0.3988	-82	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-19	-0.5273	-93	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.3431	-86	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.677	83	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16	-2.677	-81	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19	-1.705	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	4.222	84	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-2.516	-92	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)	-0.6424	-70	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-0.9633	-91	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-12.82	-108	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D	-2.016	-59	-58	Yes	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-17	-16.07	-64	-58	Yes	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D	-12.16	-60	-58	Yes	16	0	n/a	n/a	0.01	NP

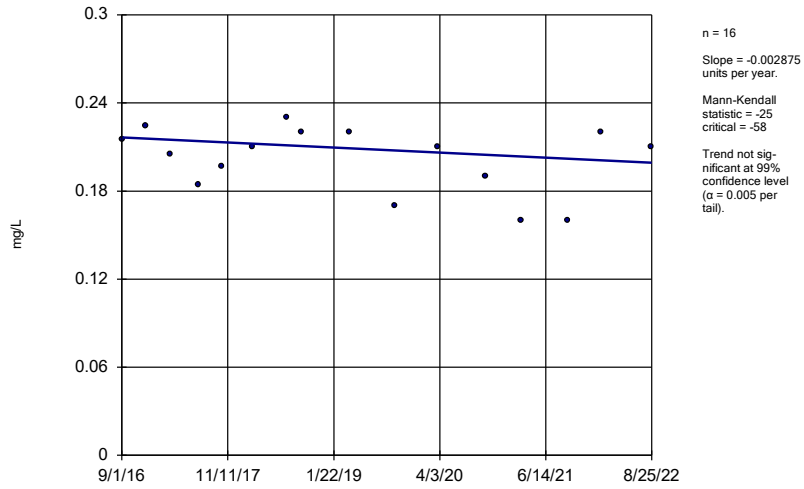
# Trend Tests - Prediction Limit Exceedances - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 11/21/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-15	-0.002875	-25	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	10	58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18	0.003907	18	58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.02163	-42	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0003842	12	58	No	16	6.25	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25	-0.005259	-41	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	-0.001017	-43	-58	No	16	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0	-1	-58	No	16	25	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	0	-1	-58	No	16	6.25	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>PZ-33</b>	<b>-0.01244</b>	<b>-78</b>	<b>-68</b>	<b>Yes</b>	<b>18</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>-0.0341</b>	<b>-84</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>4.478</b>	<b>83</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-19	0.9209	11	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)	1.612	53	53	No	15	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-23A	2.968	52	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	2.155	30	58	No	16	6.25	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>2.442</b>	<b>69</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-32 (bg)</b>	<b>1.939</b>	<b>70</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-14	-0.1076	-35	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15	-0.2275	-52	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>-0.347</b>	<b>-76</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>-0.3988</b>	<b>-82</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-19</b>	<b>-0.5273</b>	<b>-93</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-1D (bg)	-0.08315	-47	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.05458	-36	-58	No	16	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.3431</b>	<b>-86</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-32 (bg)	-0.1674	-58	-58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	PZ-14	0.009753	13	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.01313	-37	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0.007961	14	68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)	-0.01661	-30	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.014	24	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.2384	-28	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	-0.003316	-10	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	0.004191	11	74	No	19	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>1.677</b>	<b>83</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-15	0.4002	12	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>-2.677</b>	<b>-81</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-17	-5.533	-57	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-18	-1.22	-27	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-19</b>	<b>-1.705</b>	<b>-61</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-1D (bg)	0	6	58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-23A</b>	<b>4.222</b>	<b>84</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-25</b>	<b>-2.516</b>	<b>-92</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-2D (bg)</b>	<b>-0.6424</b>	<b>-70</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.9633</b>	<b>-91</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-32 (bg)	-0.02024	-16	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-33</b>	<b>-12.82</b>	<b>-108</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-7D</b>	<b>-2.016</b>	<b>-59</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
TDS (mg/L)	PZ-15	4.115	21	58	No	16	0	n/a	n/a	0.01	NP
<b>TDS (mg/L)</b>	<b>PZ-17</b>	<b>-16.07</b>	<b>-64</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
TDS (mg/L)	PZ-18	2.236	13	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19	-10.13	-32	-58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)	2.035	21	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	6.692	52	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	1.433	4	58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	0	-1	-58	No	16	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	2.04	23	58	No	16	0	n/a	n/a	0.01	NP
<b>TDS (mg/L)</b>	<b>PZ-7D</b>	<b>-12.16</b>	<b>-60</b>	<b>-58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

### Sen's Slope Estimator

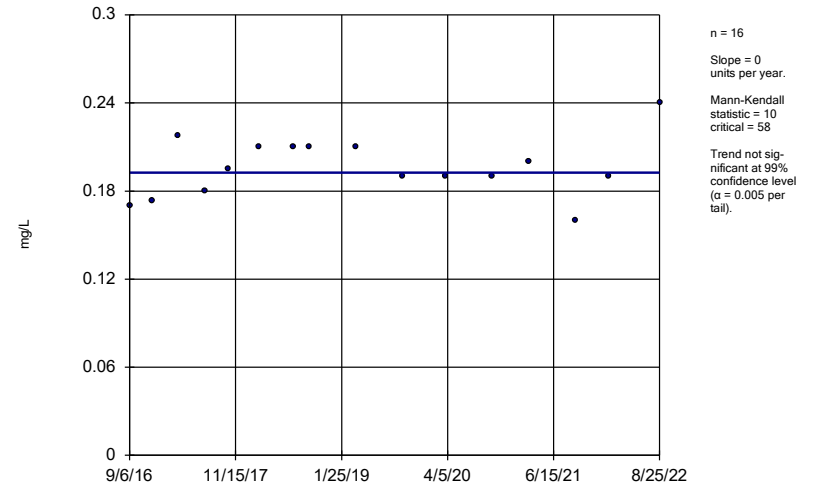
PZ-15



Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

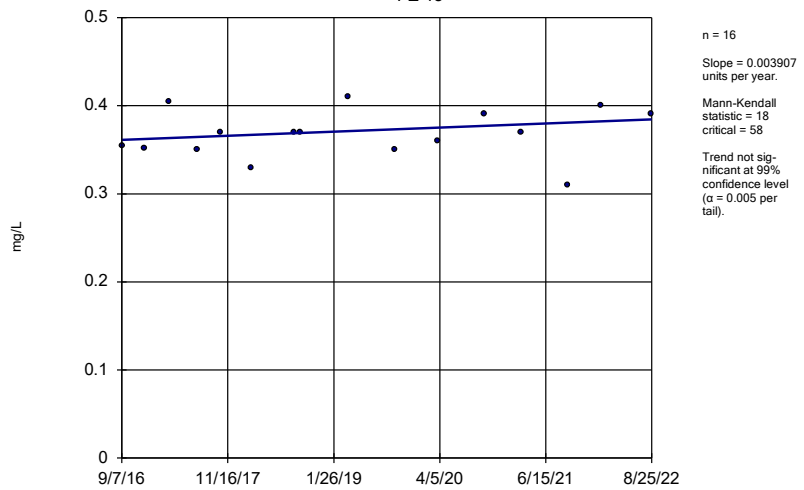
PZ-16



Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

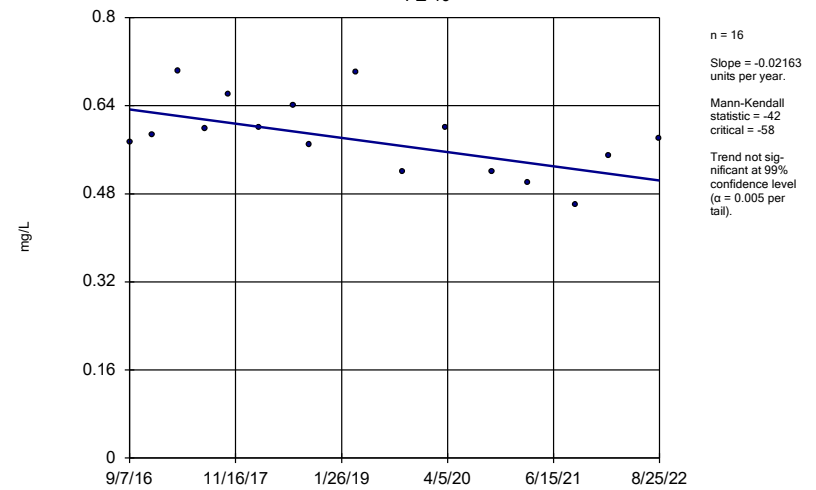
PZ-18



Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

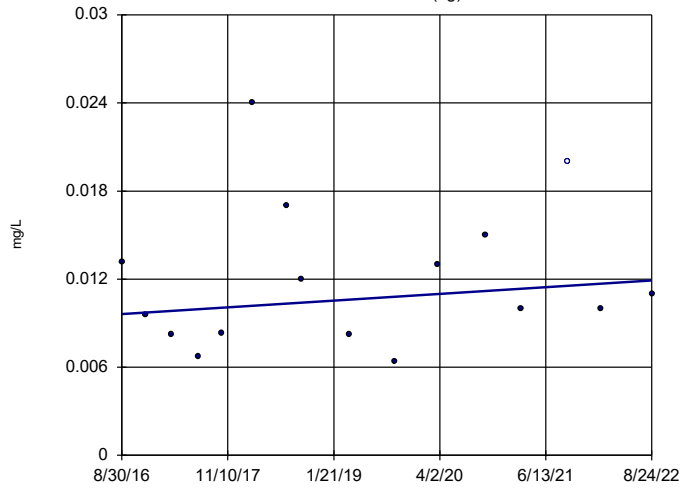
PZ-19



Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-1D (bg)

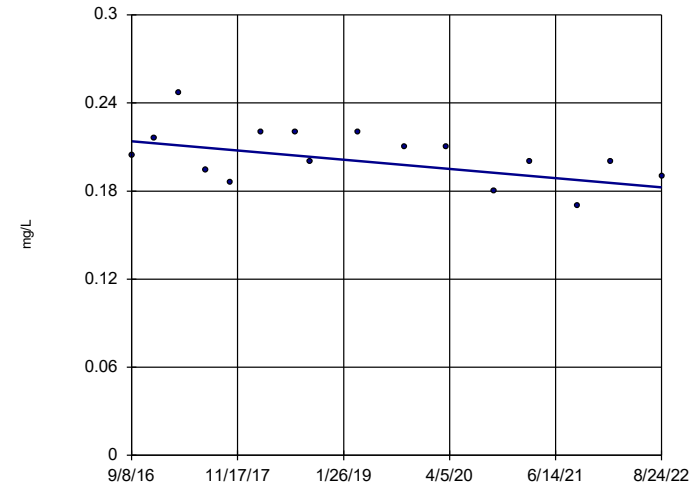


n = 16  
Slope = 0.0003842  
units per year.  
Mann-Kendall  
statistic = 12  
critical = 58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-25

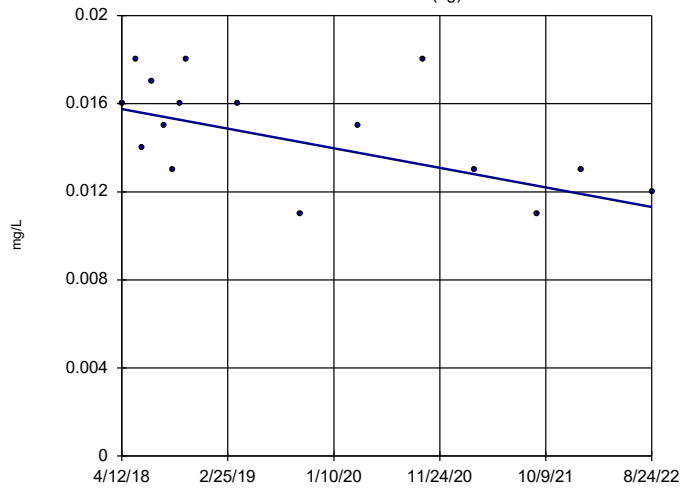


n = 16  
Slope = -0.005259  
units per year.  
Mann-Kendall  
statistic = -41  
critical = -58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-2D (bg)

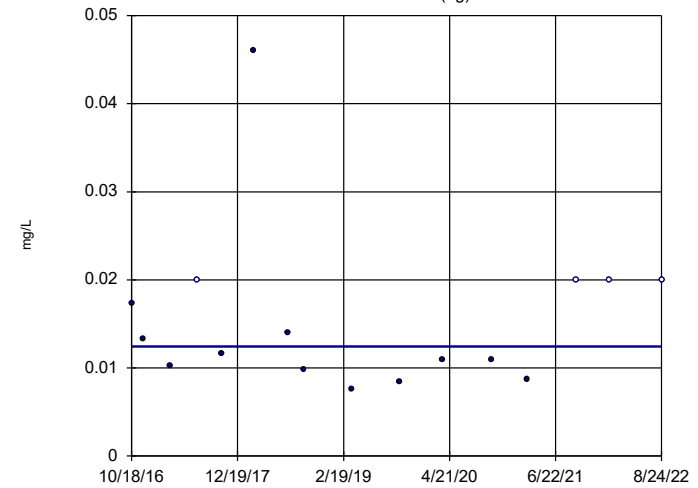


n = 16  
Slope = -0.001017  
units per year.  
Mann-Kendall  
statistic = -43  
critical = -58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

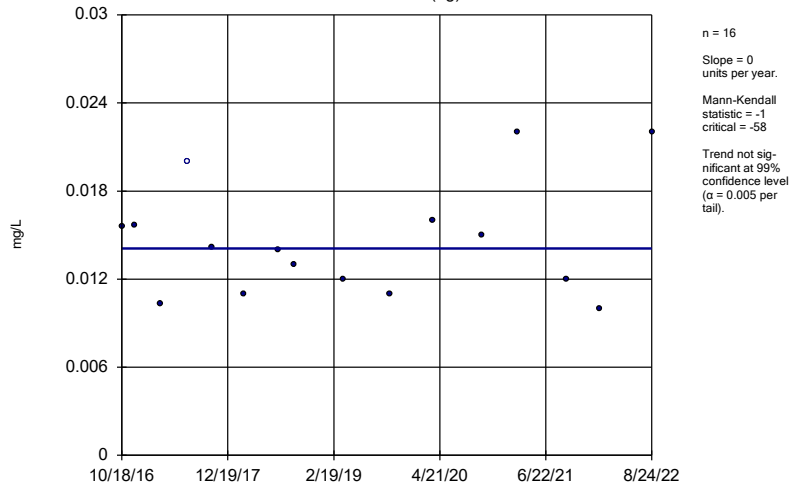
PZ-31 (bg)



n = 16  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -1  
critical = -58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

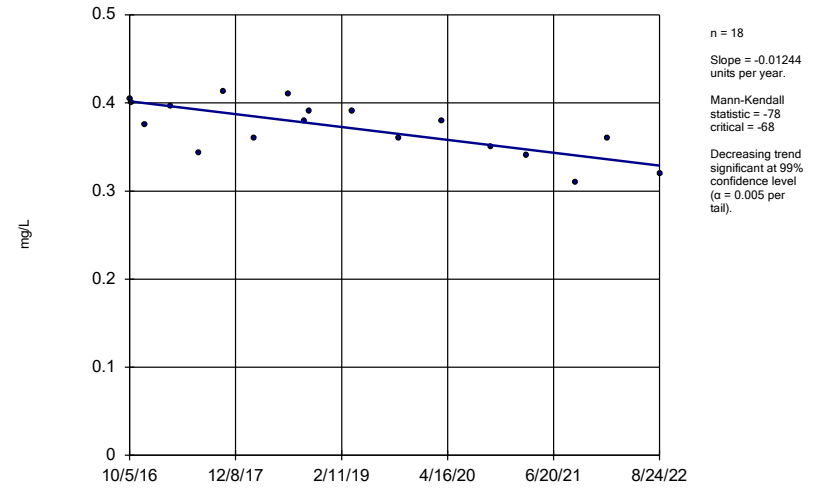
Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-32 (bg)



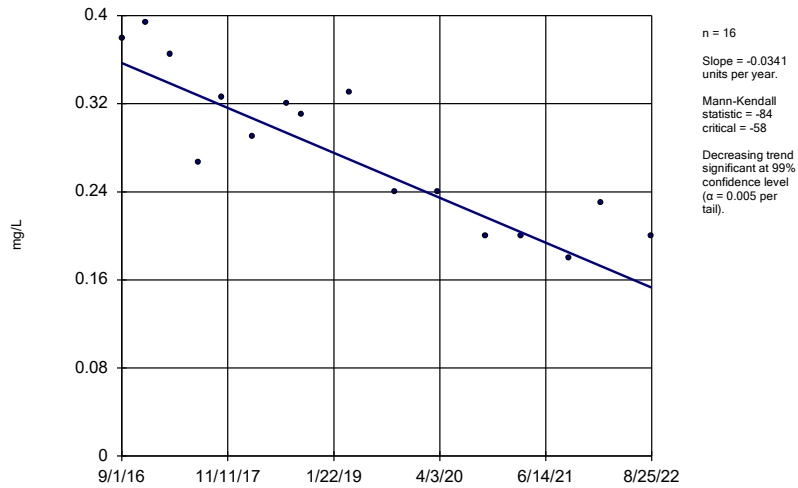
Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-33



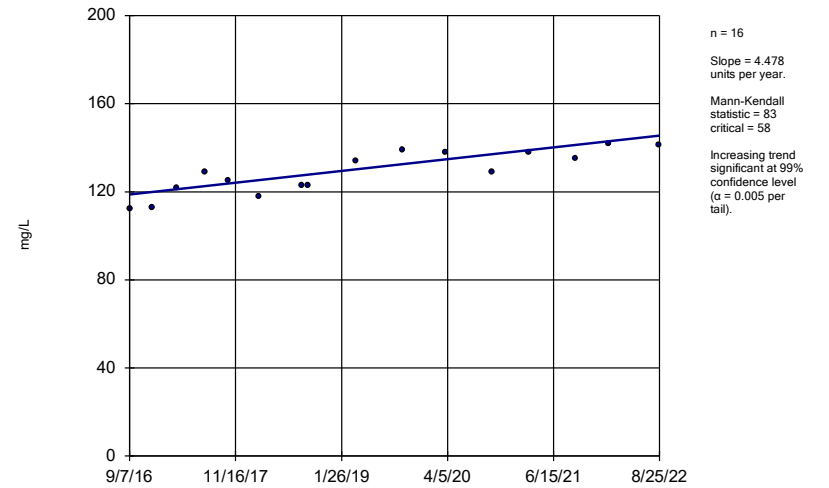
Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-7D



Constituent: Boron Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-18

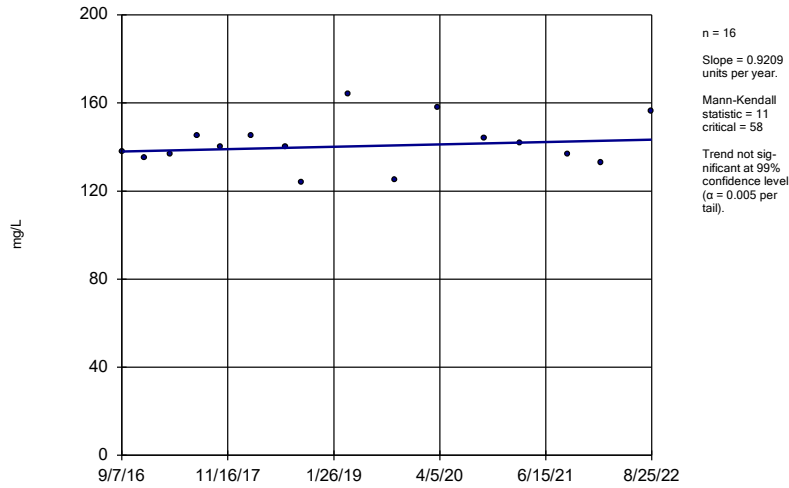


Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



### Sen's Slope Estimator

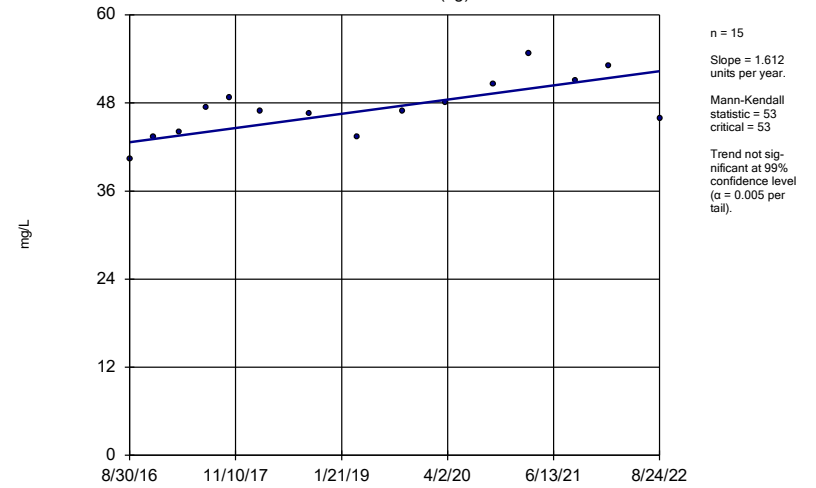
PZ-19



Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

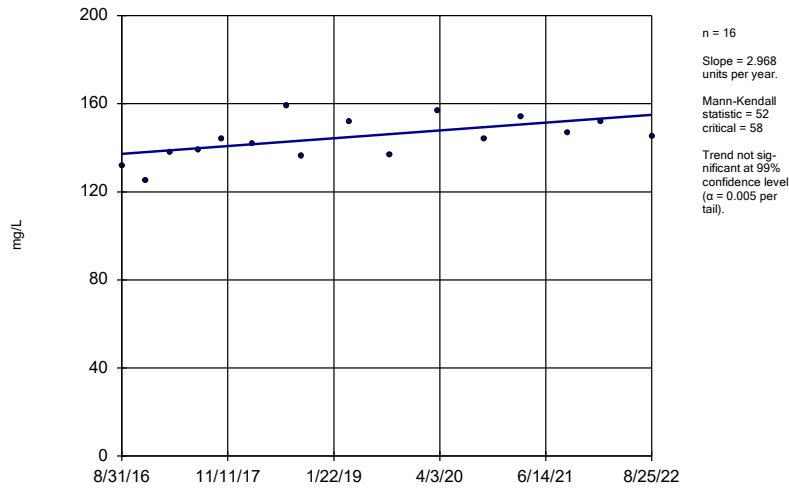
PZ-1D (bg)



Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

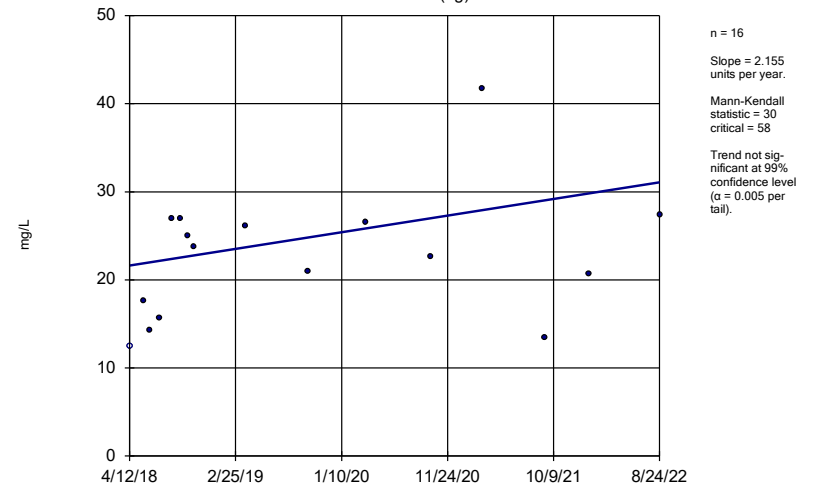
PZ-23A



Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

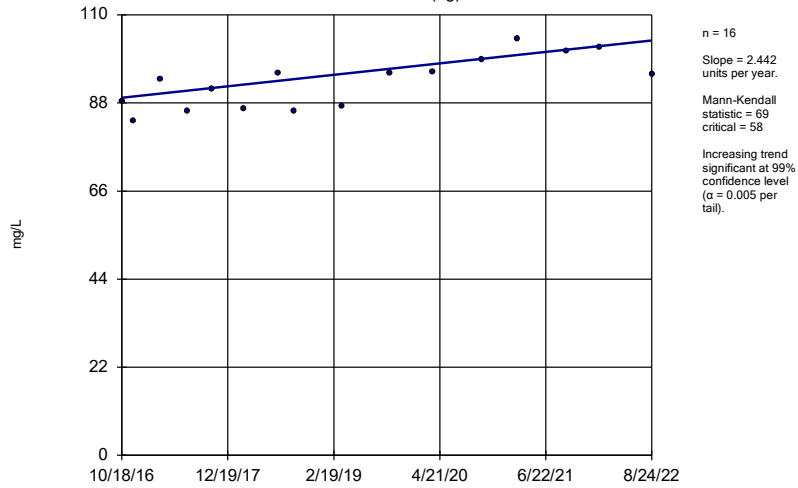
PZ-2D (bg)



Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

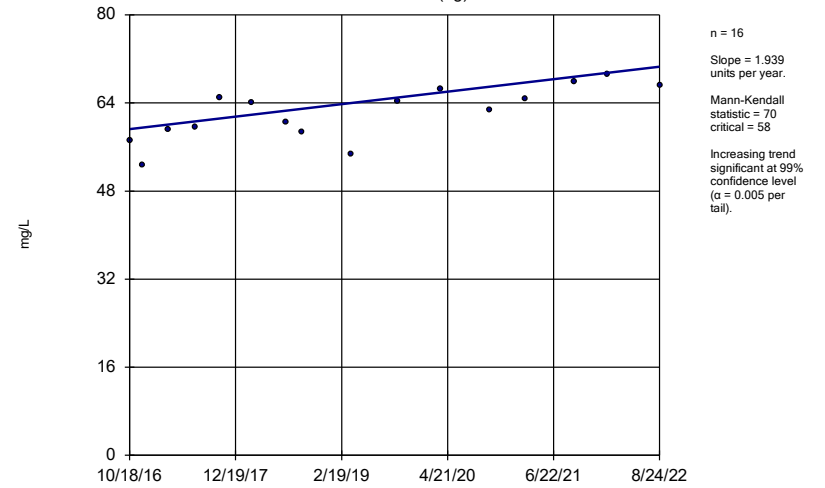
PZ-31 (bg)



Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

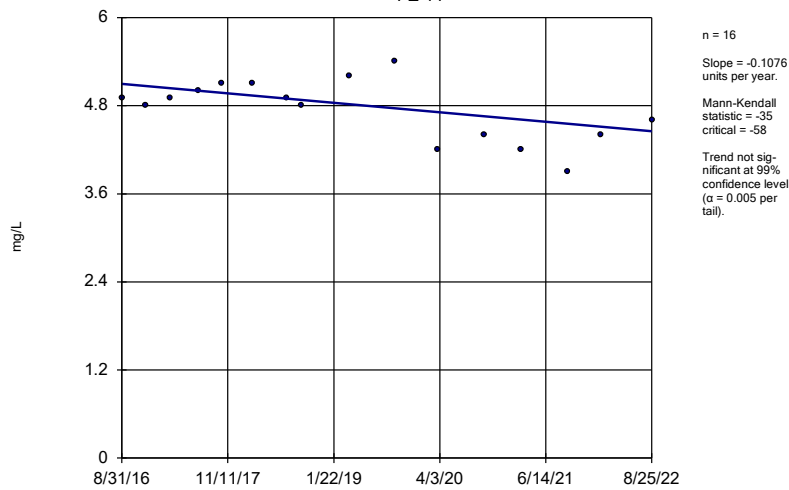
PZ-32 (bg)



Constituent: Calcium Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

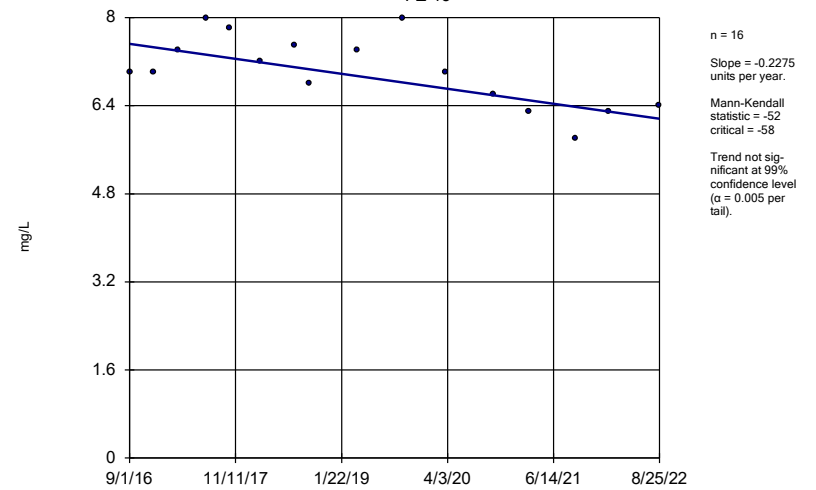
PZ-14



Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

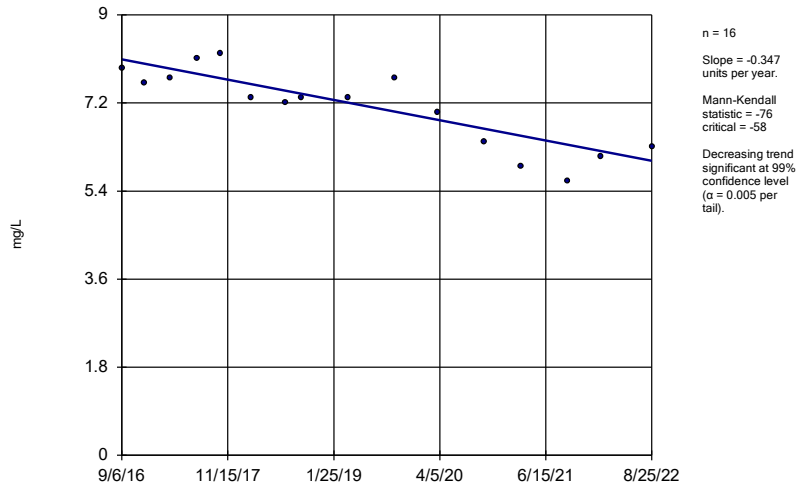
PZ-15



Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

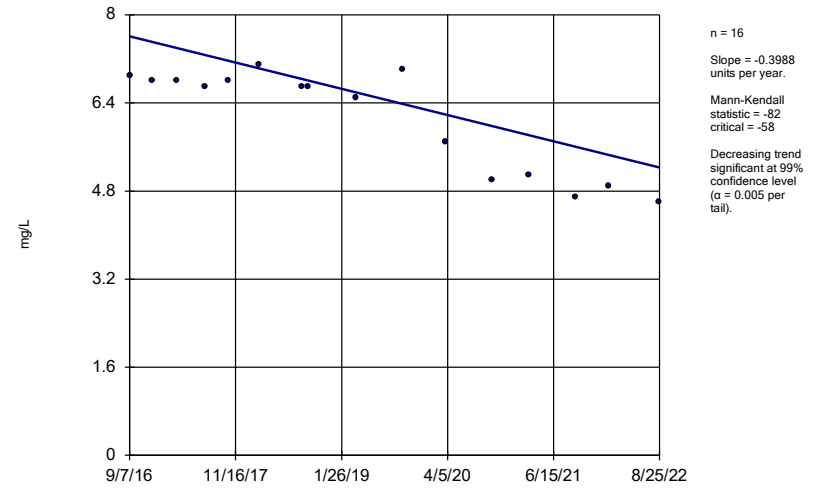
PZ-16



Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

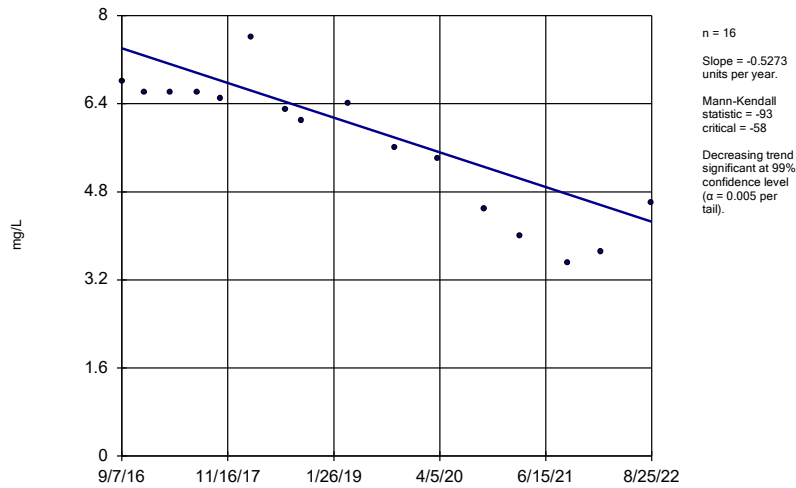
PZ-18



Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

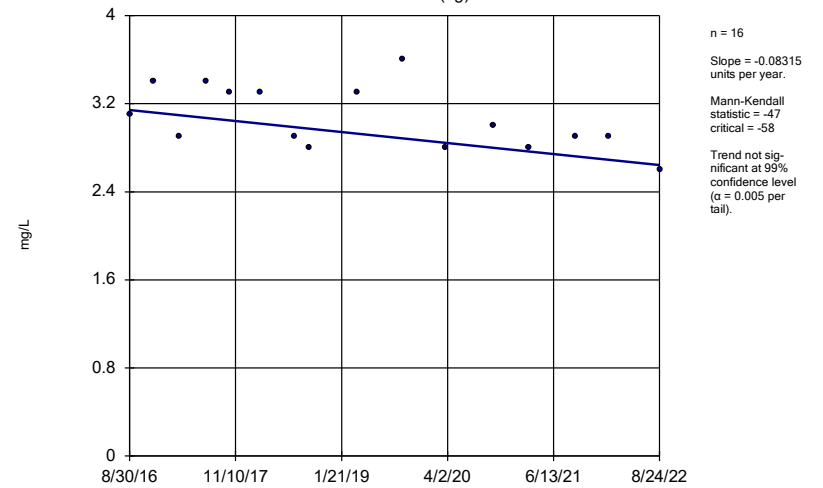
PZ-19



Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

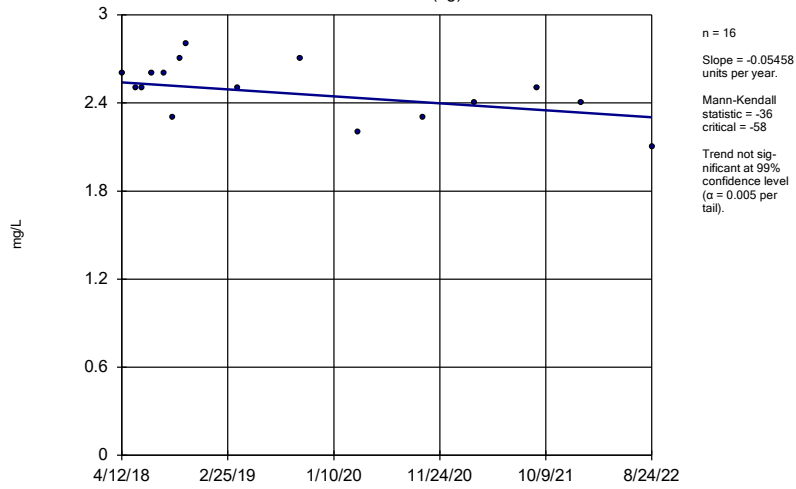
### Sen's Slope Estimator

PZ-1D (bg)



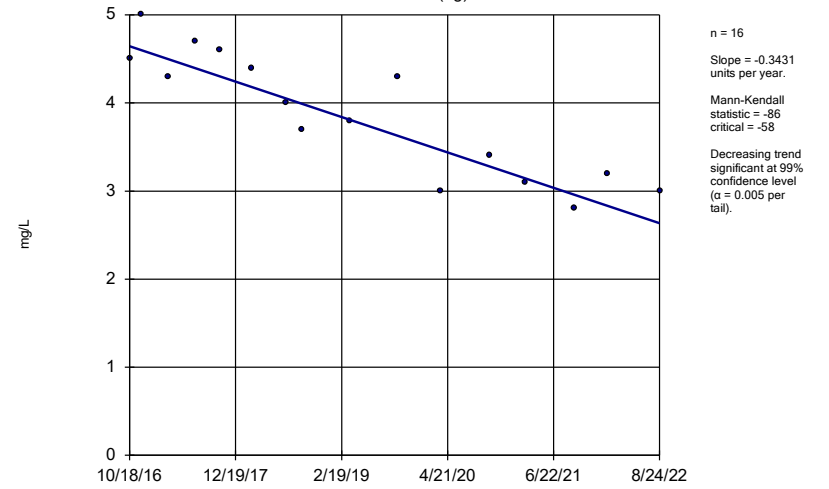
Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-2D (bg)



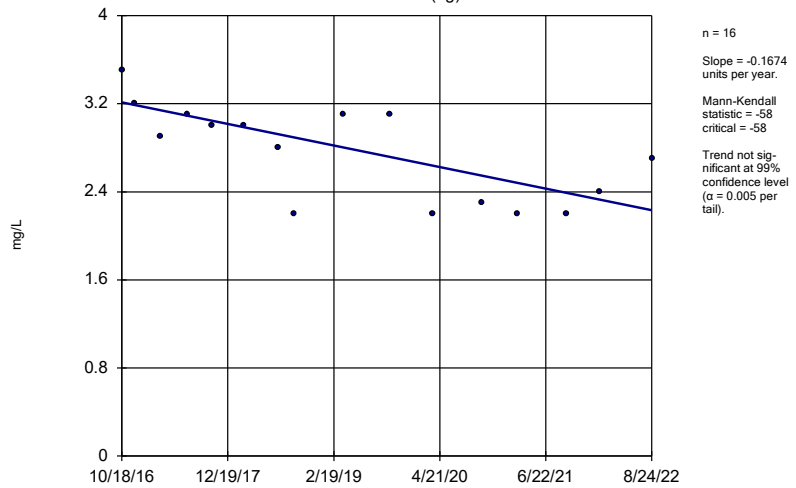
Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-31 (bg)



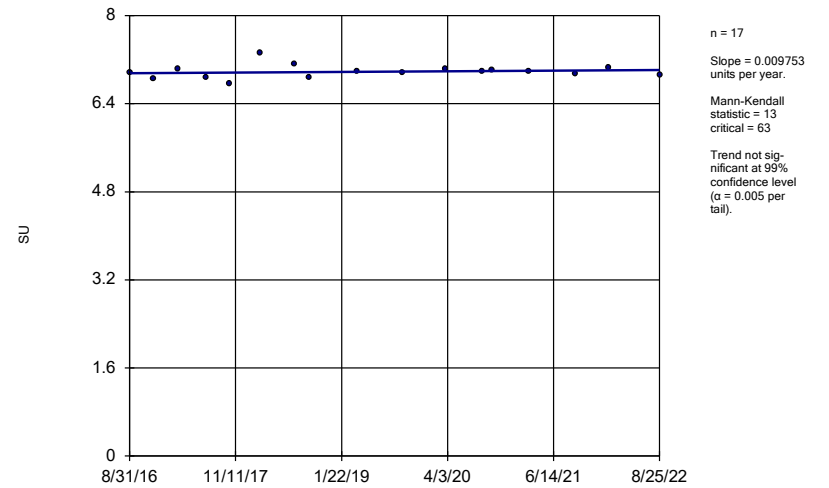
Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-32 (bg)



Constituent: Chloride Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

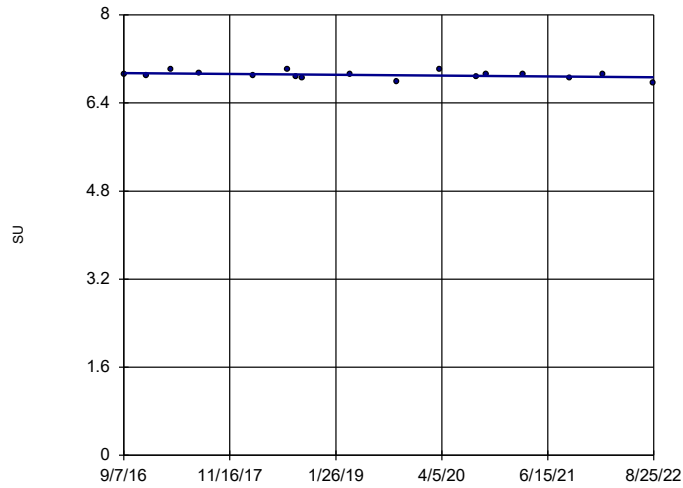
Sen's Slope Estimator  
PZ-14



Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-18

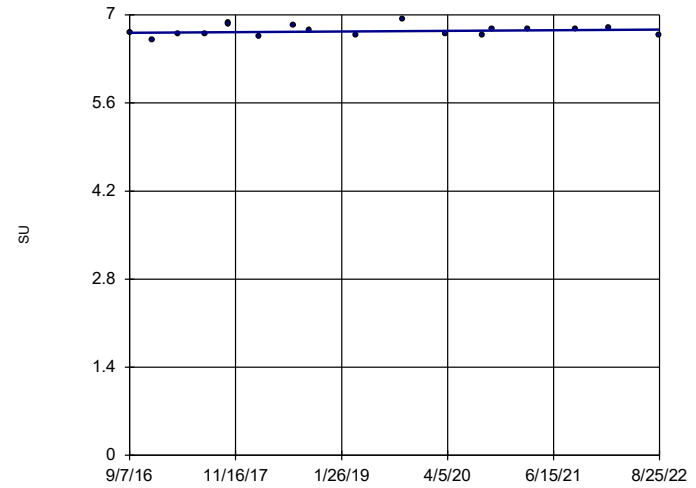


n = 17  
 Slope = -0.01313  
 units per year.  
 Mann-Kendall  
 statistic = -37  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-19

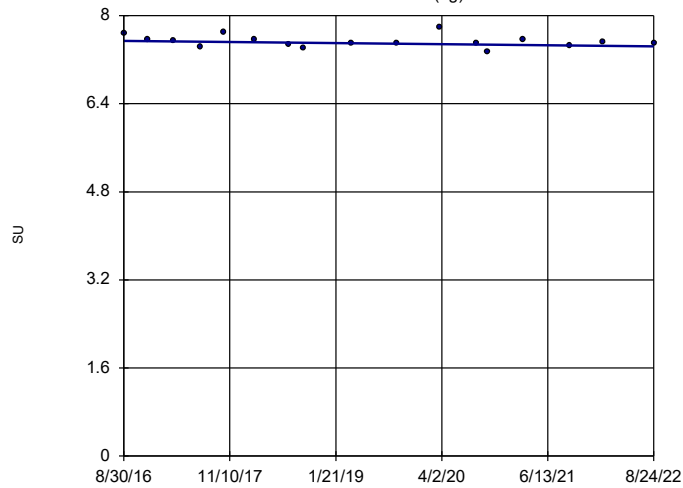


n = 18  
 Slope = 0.007961  
 units per year.  
 Mann-Kendall  
 statistic = 14  
 critical = 68  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-1D (bg)

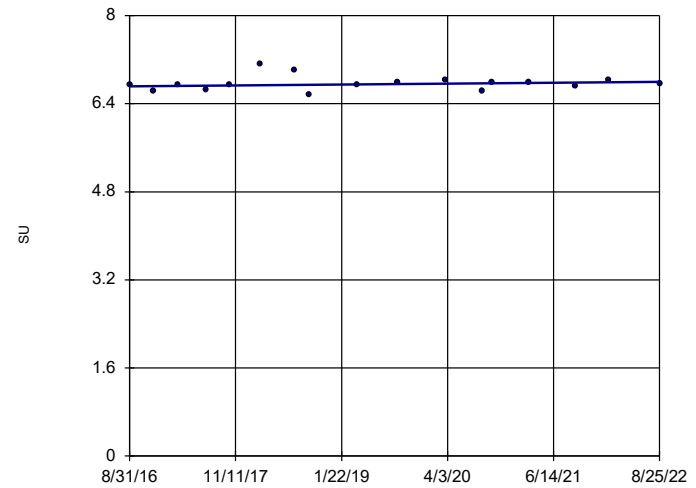


n = 17  
 Slope = -0.01661  
 units per year.  
 Mann-Kendall  
 statistic = -30  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-23A

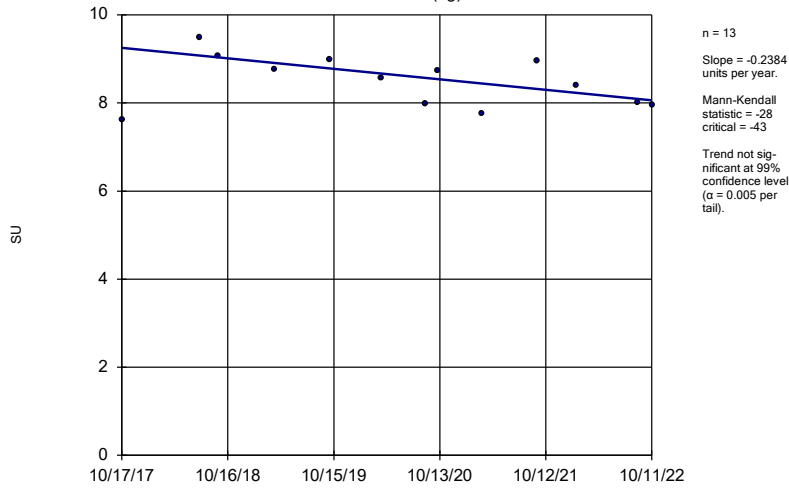


n = 17  
 Slope = 0.014  
 units per year.  
 Mann-Kendall  
 statistic = 24  
 critical = 63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

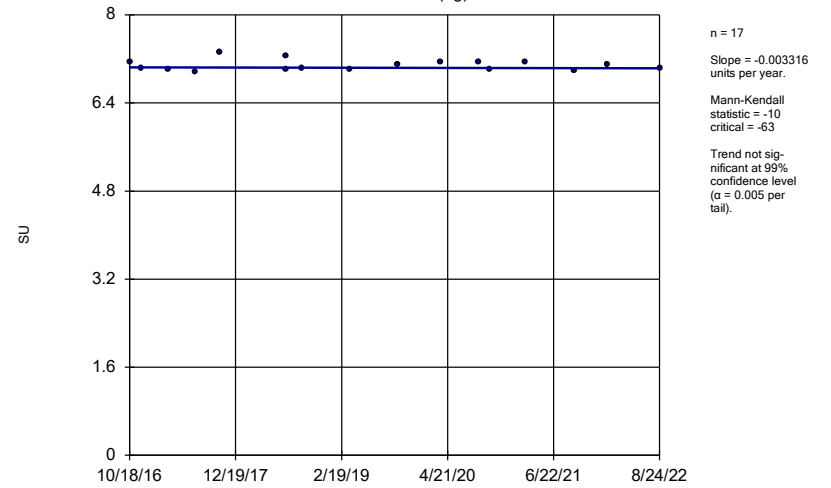
PZ-2D (bg)



Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

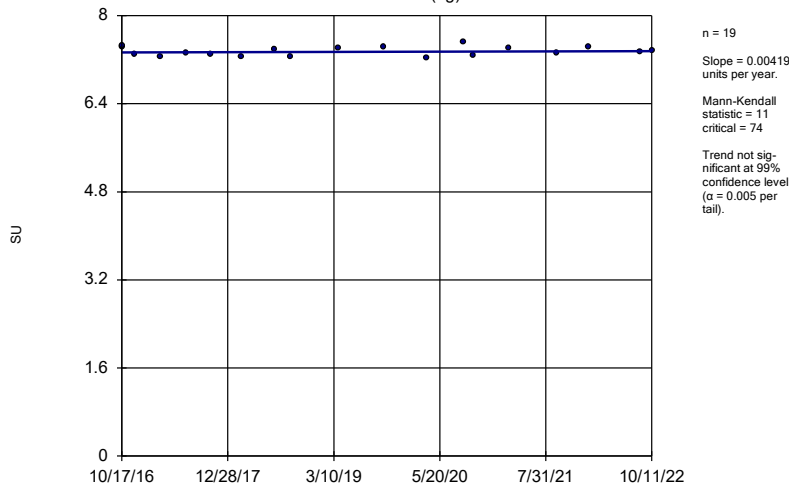
PZ-31 (bg)



Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

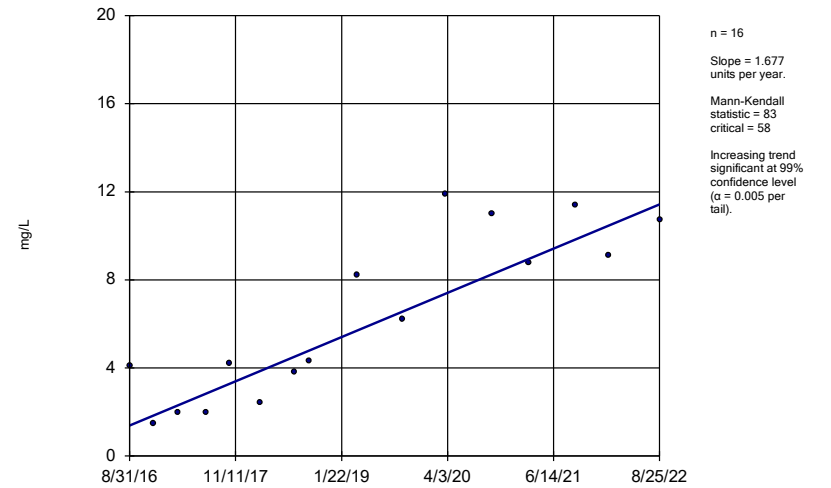
PZ-32 (bg)



Constituent: pH Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

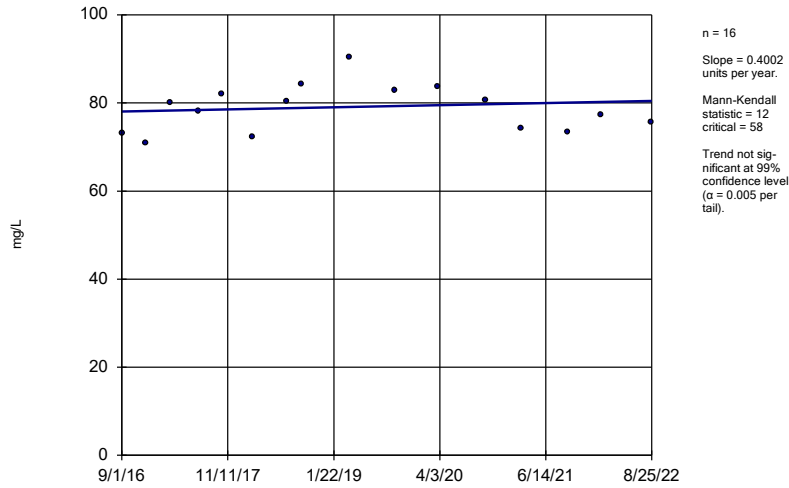
PZ-14



Constituent: Sulfate Analysis Run 11/21/2022 4:45 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

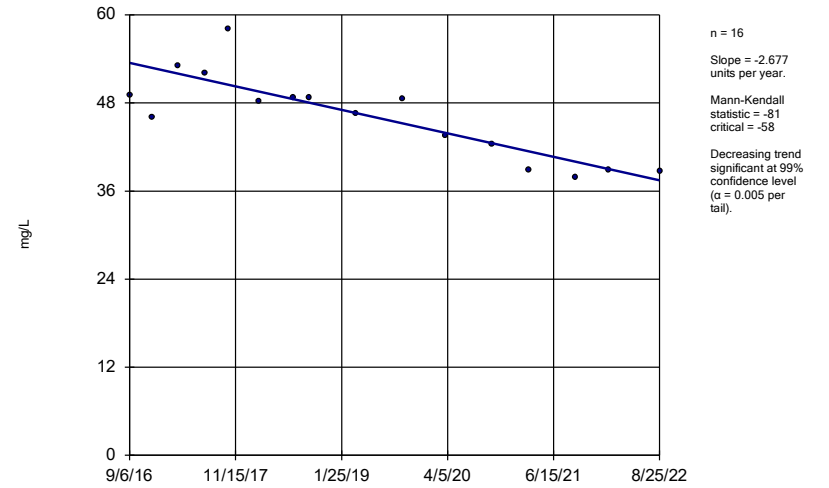
PZ-15



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

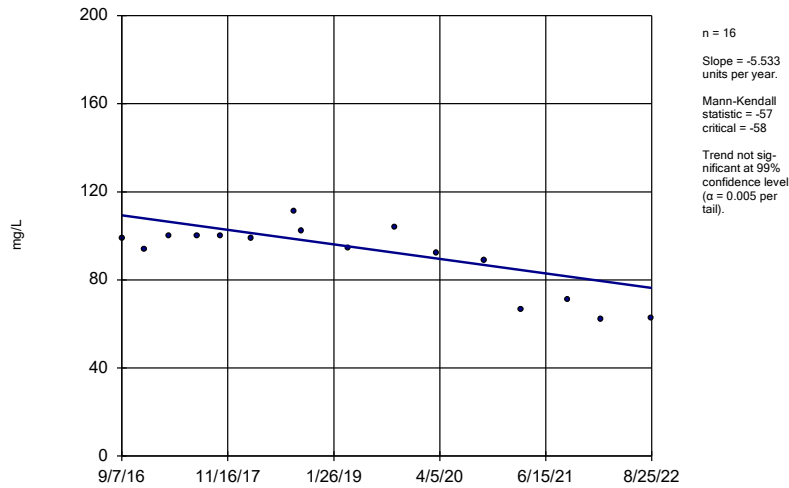
PZ-16



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

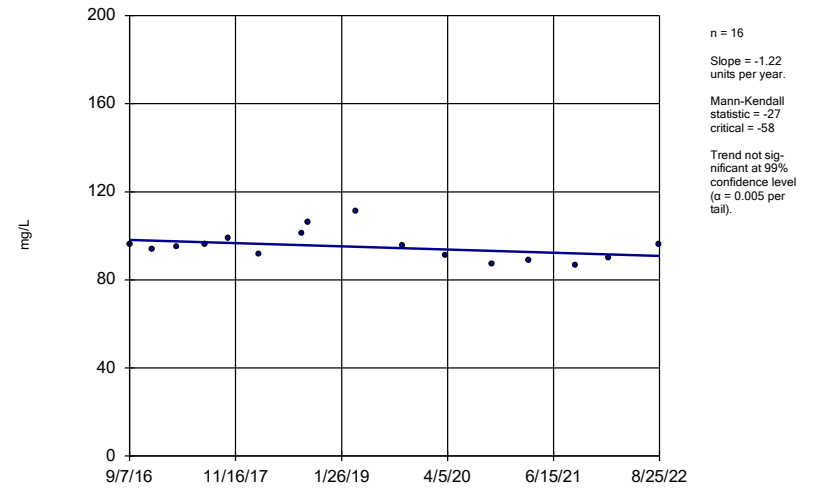
PZ-17



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

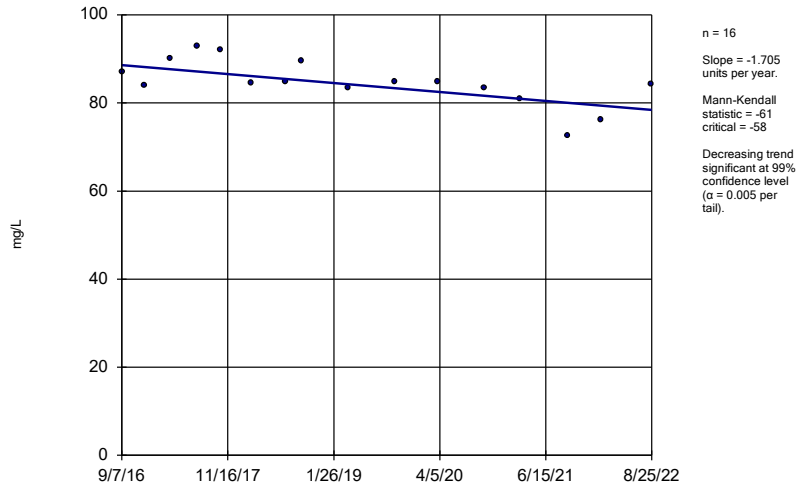
### Sen's Slope Estimator

PZ-18



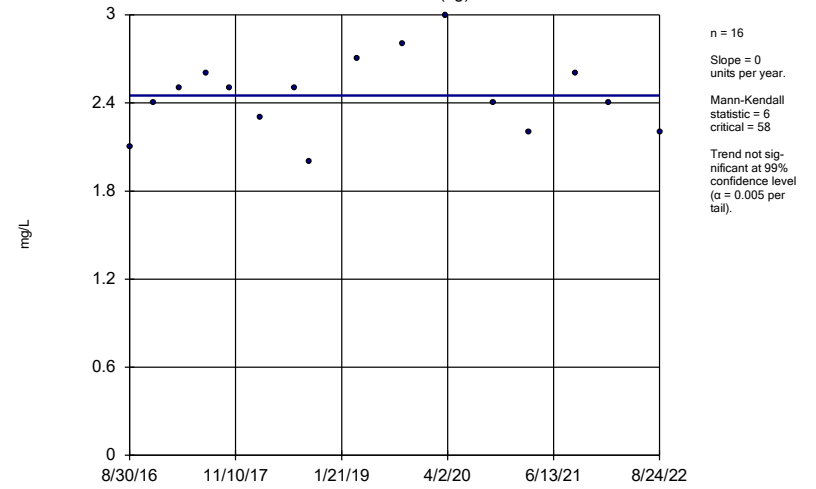
Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-19



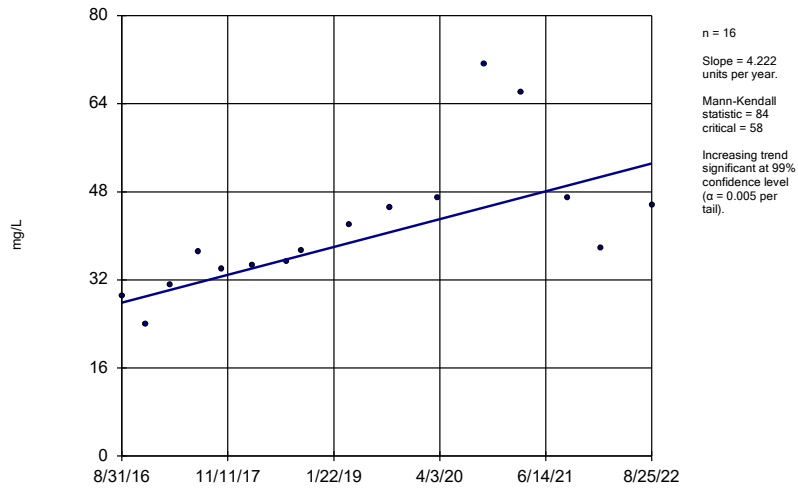
Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-1D (bg)



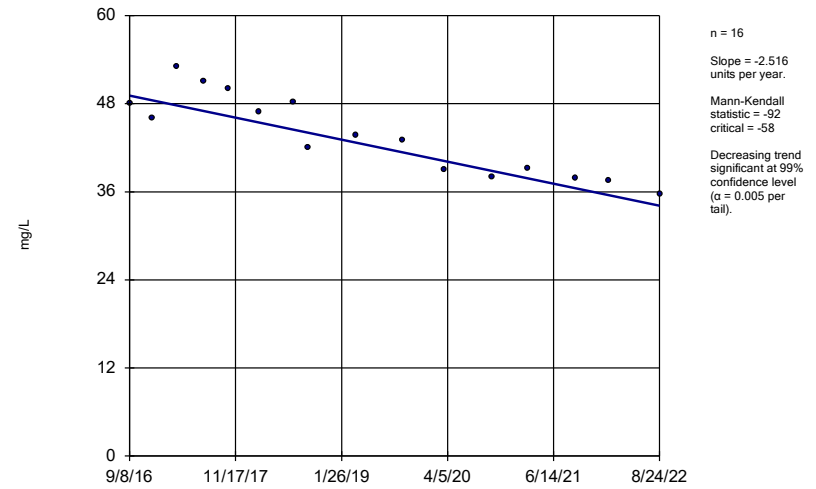
Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-23A



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

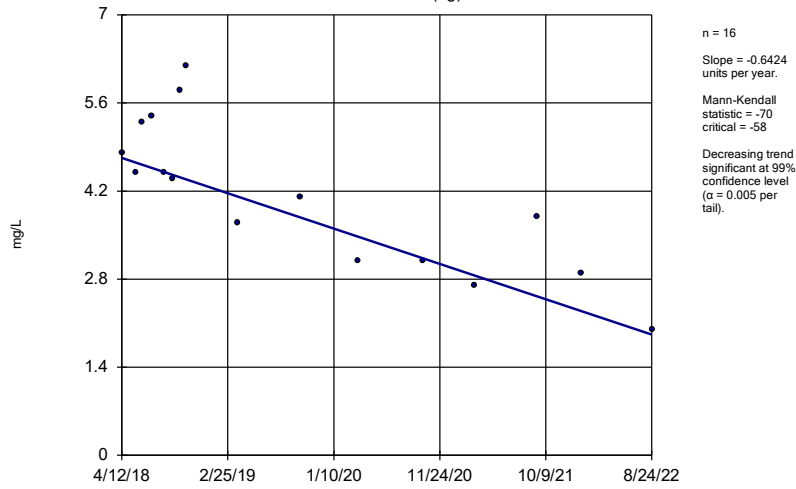
Sen's Slope Estimator  
PZ-25



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

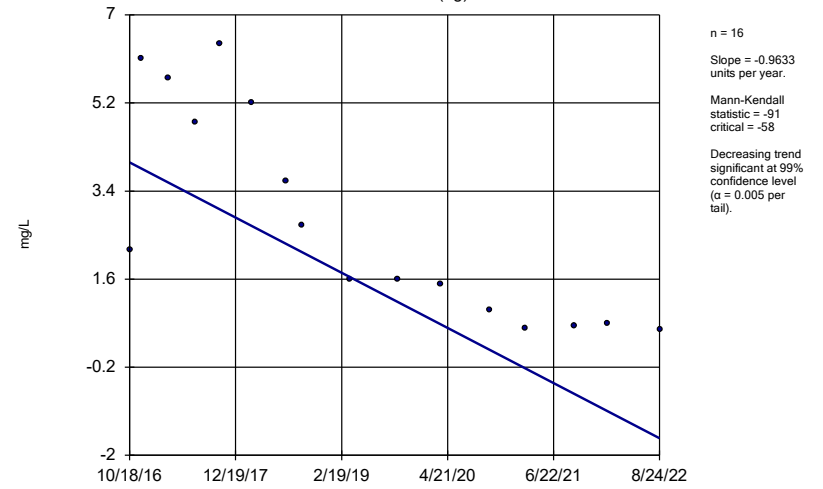


Sen's Slope Estimator  
PZ-2D (bg)



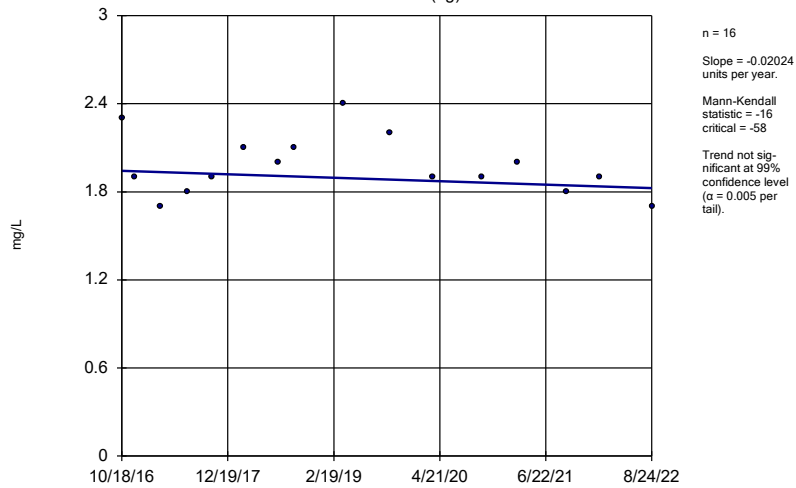
Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-31 (bg)



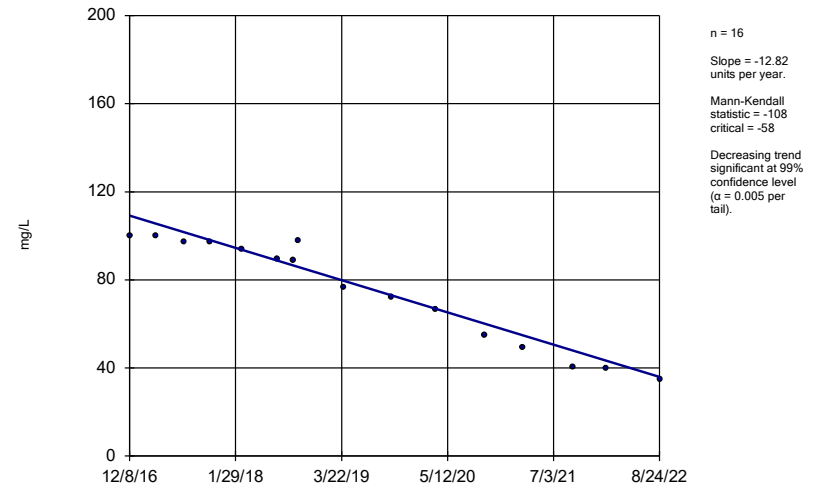
Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator  
PZ-32 (bg)



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

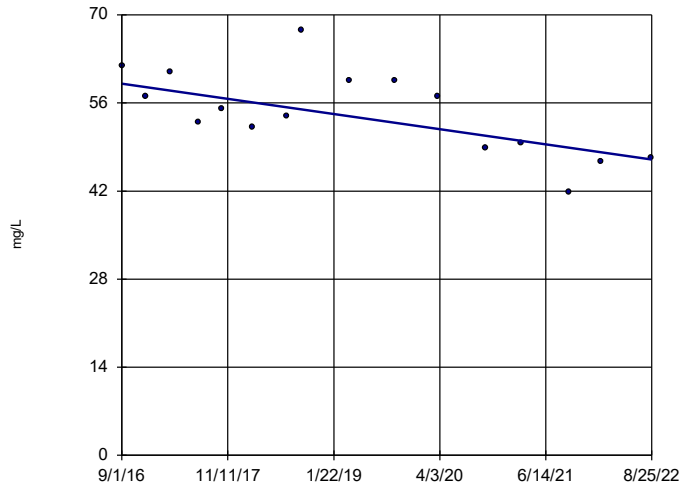
Sen's Slope Estimator  
PZ-33



Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-7D

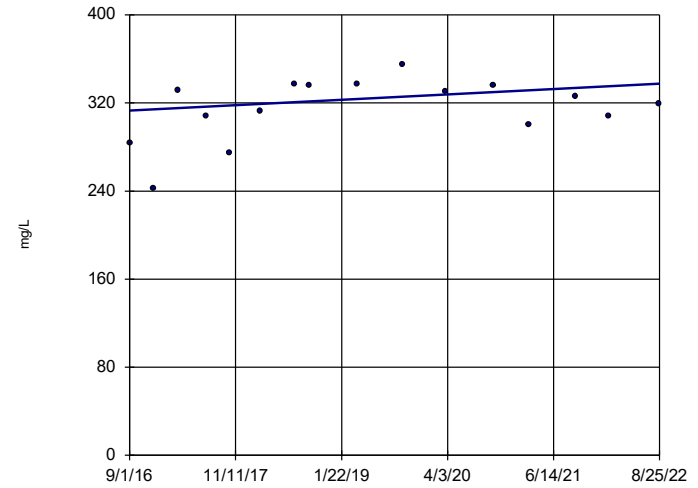


n = 16  
 Slope = -2.016 units per year.  
 Mann-Kendall statistic = -59  
 critical = -58  
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-15

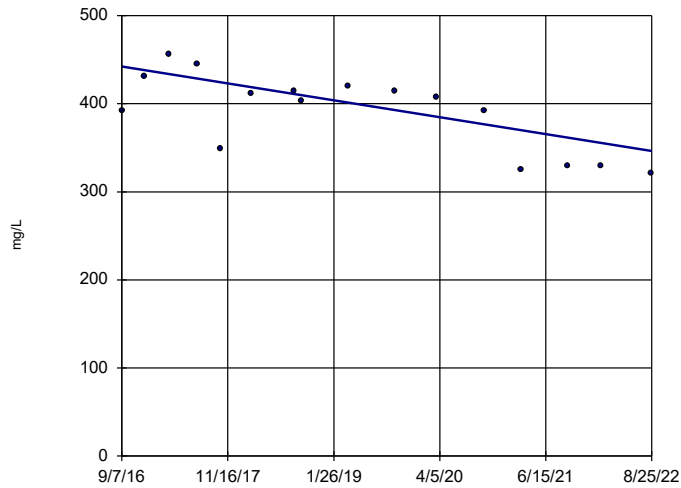


n = 16  
 Slope = 4.115 units per year.  
 Mann-Kendall statistic = 21  
 critical = 58  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-17

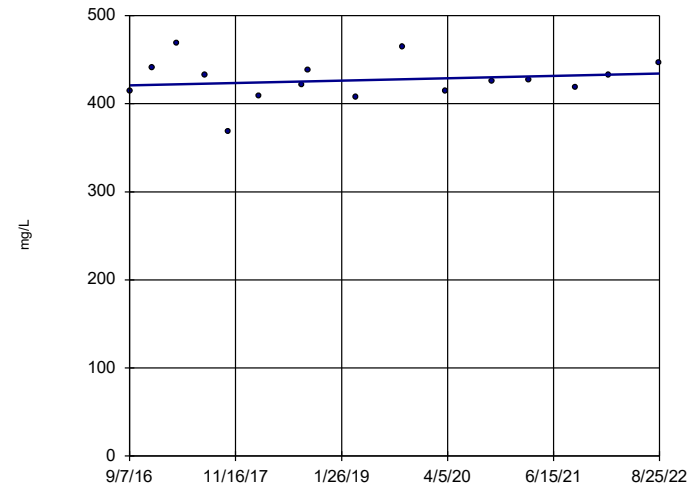


n = 16  
 Slope = -16.07 units per year.  
 Mann-Kendall statistic = -64  
 critical = -58  
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-18

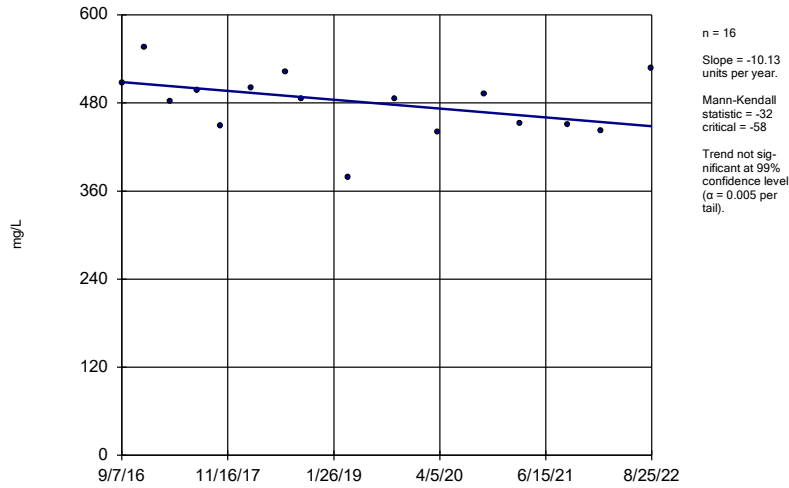


n = 16  
 Slope = 2.236 units per year.  
 Mann-Kendall statistic = 13  
 critical = 58  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

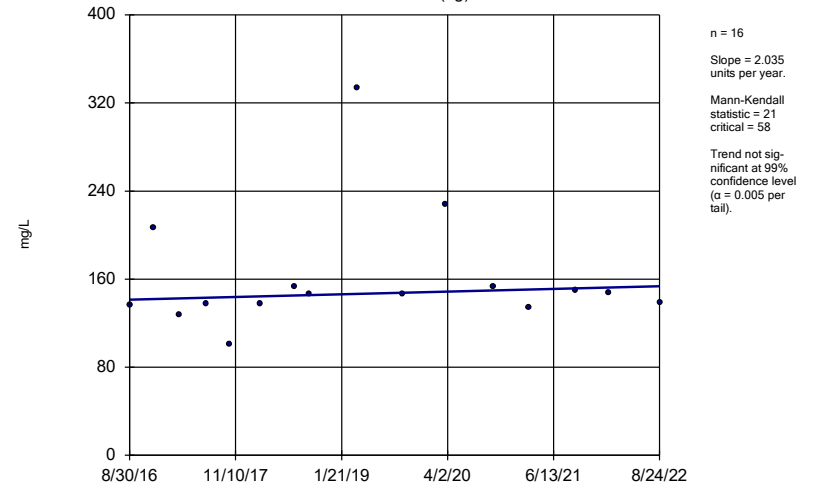
PZ-19



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

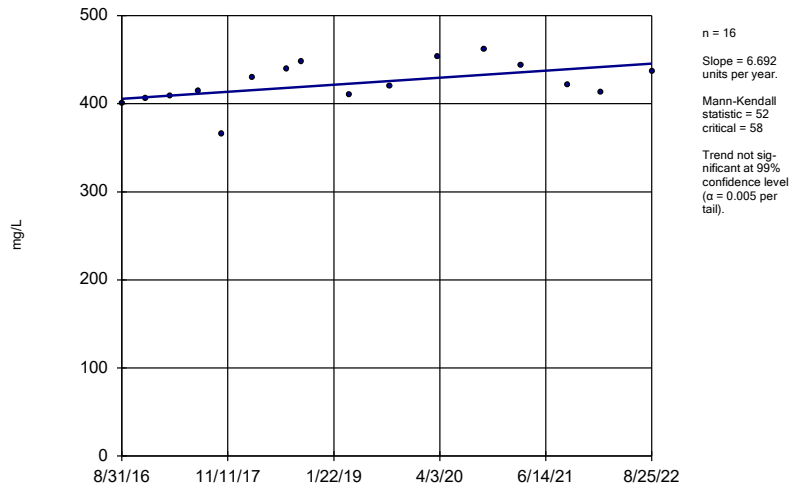
PZ-1D (bg)



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

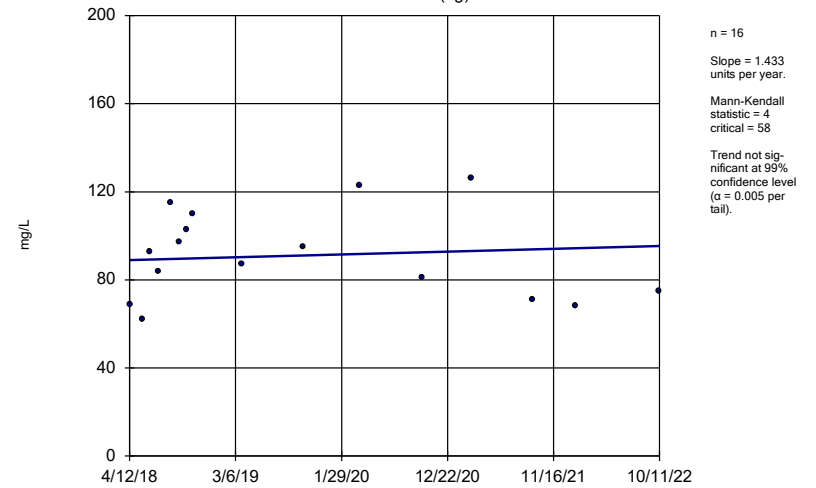
PZ-23A



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

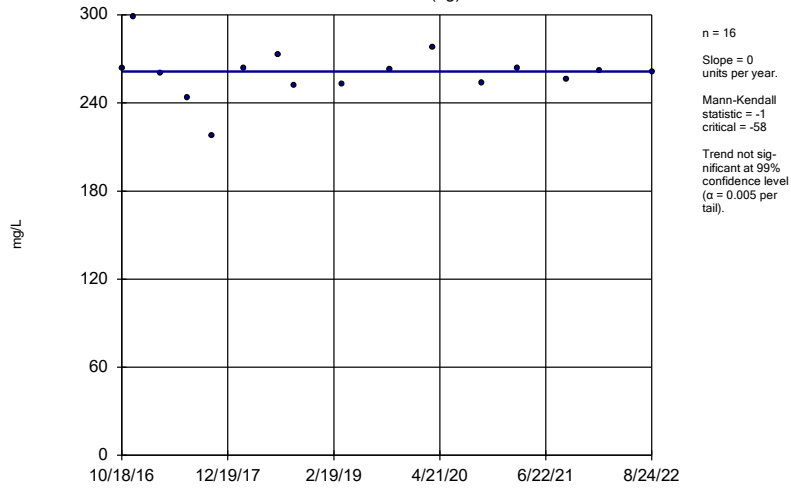
PZ-2D (bg)



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

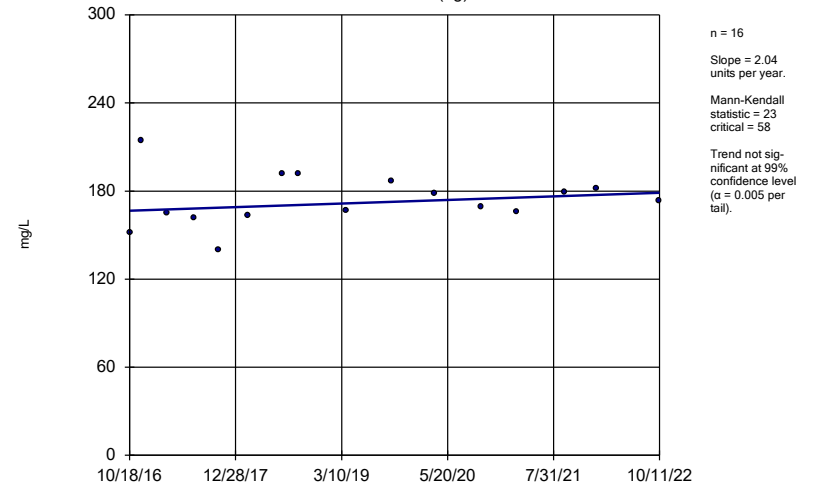
PZ-31 (bg)



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

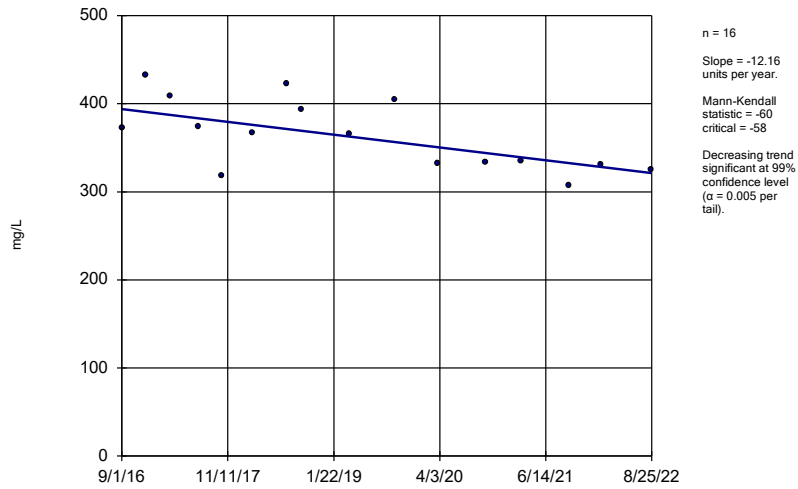
PZ-32 (bg)



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-7D



Constituent: TDS Analysis Run 11/21/2022 4:46 PM View: Appendix III - Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE G.

# Upper Tolerance Limit Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 10:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig. Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0035	n/a	n/a	n/a	n/a 64	n/a	n/a	54.69	n/a	n/a	0.03752	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 56	n/a	n/a	85.71	n/a	n/a	0.05656	NP Inter(NDs)
Barium (mg/L)	n/a	0.04787	n/a	n/a	n/a	n/a 64	-4.397	0.6775	1.563	None	ln(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 48	n/a	n/a	95.83	n/a	n/a	0.08526	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 48	n/a	n/a	100	n/a	n/a	0.08526	NP Inter(NDs)
Chromium (mg/L)	n/a	0.009976	n/a	n/a	n/a	n/a 64	0.05165	0.02407	25	Kaplan-Meier	sqrt(x)	0.05	Inter
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 64	n/a	n/a	96.88	n/a	n/a	0.03752	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.662	n/a	n/a	n/a	n/a 62	0.7165	0.2849	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.29	n/a	n/a	n/a	n/a 68	n/a	n/a	47.06	n/a	n/a	0.03056	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 64	n/a	n/a	79.69	n/a	n/a	0.03752	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	n/a 64	n/a	n/a	79.69	n/a	n/a	0.03752	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a 56	n/a	n/a	89.29	n/a	n/a	0.05656	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a 64	n/a	n/a	78.13	n/a	n/a	0.03752	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 64	n/a	n/a	100	n/a	n/a	0.03752	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 64	n/a	n/a	90.63	n/a	n/a	0.03752	NP Inter(NDs)

FIGURE H.

<b>PLANT MITCHELL ASH POND GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.0035	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.048	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.01	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.66	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
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		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*



FIGURE I.

# Confidence Intervals - All Results (No Significant)

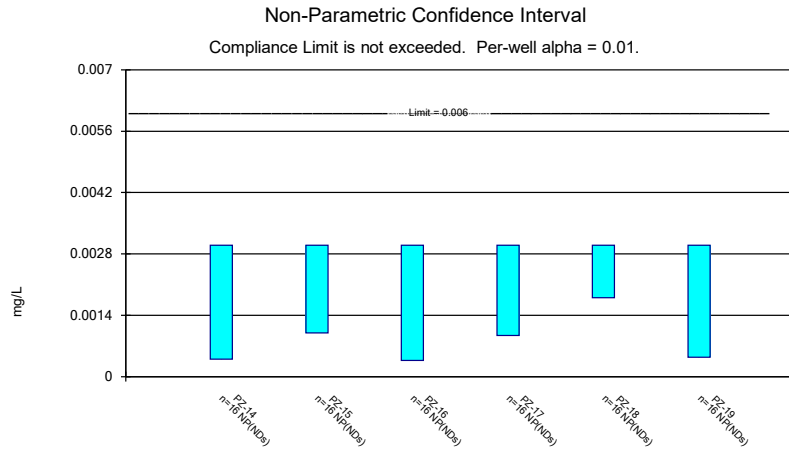
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 11:01 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	16	0.002838	0.00065	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	16	0.002726	0.0007512	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	16	0.002836	0.0006575	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	16	0.002569	0.0009303	81.25	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.003	0.0018	0.006	No	16	0.002825	0.0004837	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	16	0.00284	0.00064	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	16	0.002755	0.0007115	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	16	0.002699	0.0008256	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-7D	0.003	0.00042	0.006	No	16	0.002501	0.001073	81.25	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	14	0.004702	0.001114	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	14	0.004114	0.001764	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	14	0.00408	0.001828	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	14	0.004693	0.001149	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00036	0.01	No	14	0.004669	0.00124	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.001	0.01	No	14	0.00386	0.001885	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.00094	0.01	No	14	0.004403	0.001519	85.71	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-14	0.03145	0.01661	2	No	16	0.02474	0.01324	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-15	0.076	0.048	2	No	16	0.05913	0.01516	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.0467	0.034	2	No	16	0.04293	0.0132	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07887	0.07041	2	No	16	0.07464	0.006501	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.029	0.023	2	No	16	0.0295	0.01319	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05859	0.05228	2	No	16	0.05543	0.004848	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.05067	0.03709	2	No	16	0.04388	0.01044	0	None	No	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	16	0.1051	0.006471	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.07063	0.04977	2	No	15	0.0602	0.01539	0	None	No	0.01	Param.
Barium (mg/L)	PZ-7D	0.009796	0.006842	2	No	16	0.008319	0.00227	0	None	No	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	12	0.00045	0.0001168	83.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	12	0.0004667	0.0001155	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-14	0.005	0.0011	0.1	No	16	0.003334	0.001954	56.25	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.00087	0.1	No	16	0.002769	0.002042	43.75	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-18	0.005	0.00056	0.1	No	16	0.004722	0.00111	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	16	0.004733	0.001067	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.002196	0.001274	0.1	No	16	0.002537	0.001455	18.75	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	16	0.004794	0.000825	93.75	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.002159	0.0008284	0.1	No	16	0.002762	0.001782	31.25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	16	0.004519	0.001351	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0005	0.006	No	16	0.003625	0.002114	68.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	16	0.004719	0.001125	93.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0005	0.006	No	16	0.003351	0.002204	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	16	0.004756	0.000975	93.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	16	0.004506	0.00135	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.00058	0.006	No	16	0.003615	0.002124	68.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.0018	0.0008	0.006	No	16	0.001547	0.001003	6.25	None	No	0.01	NP (normality)
Cobalt (mg/L)	PZ-33	0.005	0.0007	0.006	No	16	0.003614	0.002015	62.5	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.9475	0.3298	5	No	16	0.687	0.5554	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.066	0.6938	5	No	16	0.8973	0.3291	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.8728	0.4454	5	No	16	0.6591	0.3284	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.183	0.6143	5	No	15	0.8987	0.4198	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	1.173	0.4239	5	No	14	0.7987	0.5292	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.34	0.7215	5	No	16	1.031	0.4756	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.197	0.7349	5	No	16	0.9661	0.3554	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.183	0.7453	5	No	16	0.9644	0.3368	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	1.009	0.5396	5	No	16	0.7743	0.3608	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.6104	0.2246	5	No	16	0.4462	0.3344	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-14	0.11	0.056	4	No	17	0.08865	0.02518	58.82	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-15	0.1172	0.07172	4	No	17	0.1075	0.04446	35.29	Kaplan-Meier	ln(x)	0.01	Param.

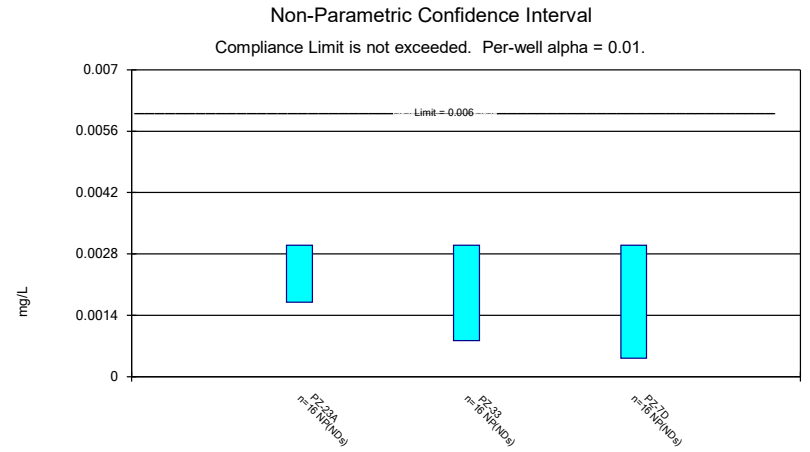
# Confidence Intervals - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 11/21/2022, 11:01 AM

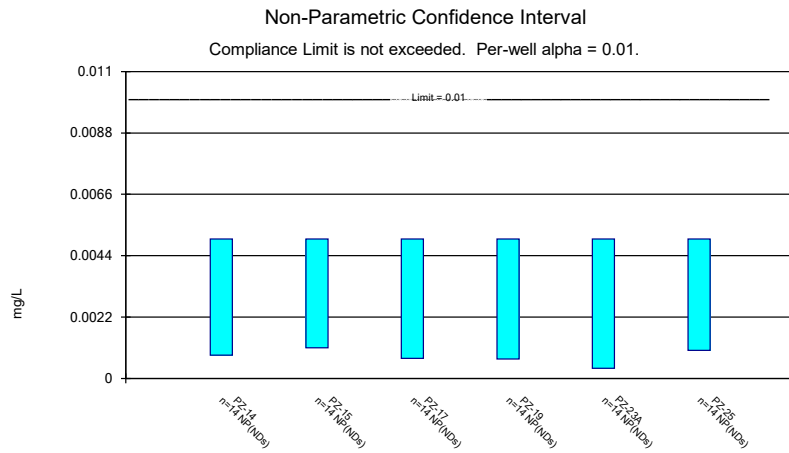
Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-16	0.1	0.053	4	No	17	0.08359	0.0241	58.82	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1252	0.05759	4	No	17	0.118	0.06353	35.29	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.08	4	No	17	0.09947	0.03486	52.94	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.14	0.064	4	No	17	0.1087	0.07546	11.76	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.13	0.057	4	No	17	0.09918	0.05772	41.18	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-25	0.2402	0.1492	4	No	17	0.1947	0.07264	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.092	4	No	17	0.1054	0.04146	58.82	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-7D	0.15	0.056	4	No	17	0.08835	0.03076	64.71	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	16	0.0009406	0.0002375	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	16	0.0009426	0.0002298	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	16	0.0009045	0.0002704	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	16	0.0009401	0.0002395	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	16	0.0008284	0.0003694	81.25	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	16	0.0008836	0.0003183	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	16	0.0009401	0.0002398	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	16	0.02831	0.00675	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.03	0.0012	0.04	No	16	0.01026	0.01375	31.25	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-17	0.003	0.002	0.04	No	16	0.005794	0.009456	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0024	0.04	No	16	0.006131	0.009322	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01455	0.01057	0.04	No	16	0.01256	0.00306	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.001	0.04	No	16	0.02094	0.01388	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006908	0.005581	0.04	No	16	0.006188	0.001108	0	None	x^2	0.01	Param.
Lithium (mg/L)	PZ-7D	0.0038	0.0023	0.04	No	16	0.004594	0.006797	6.25	None	No	0.01	NP (normality)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	14	0.0001871	0.00003625	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	14	0.0001926	0.00002753	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	14	0.0001906	0.00003528	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	14	0.0001919	0.00003047	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	14	0.0001898	0.00003822	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	14	0.0001818	0.00004754	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	14	0.00019	0.00002987	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.000053	0.002	No	14	0.0001895	0.00003929	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	14	0.000171	0.00005965	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	14	0.0001795	0.00005213	85.71	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	16	0.009406	0.002375	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	16	0.0094	0.0024	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	16	0.0094	0.0024	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	16	0.0094	0.0024	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0025	0.002	0.1	No	16	0.002669	0.001969	6.25	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	16	0.008856	0.003127	87.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.001	0.1	No	16	0.009437	0.00225	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	16	0.004544	0.001248	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	16	0.0048	0.0008	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.005	0.0019	0.05	No	16	0.00385	0.001328	43.75	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-23A	0.005	0.0023	0.05	No	16	0.0035	0.00141	43.75	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-7D	0.005	0.0018	0.05	No	16	0.003987	0.001551	68.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	16	0.0009413	0.000235	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.0002	0.002	No	16	0.0007006	0.0004001	62.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.00018	0.002	No	16	0.0006877	0.0004177	62.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00022	0.002	No	16	0.0006444	0.0003726	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	16	0.0008226	0.0003815	81.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0007268	0.0004869	0.002	No	16	0.0006069	0.0001843	6.25	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00016	0.002	No	16	0.000545	0.0004167	43.75	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-25	0.001	0.00036	0.002	No	16	0.0006963	0.0003262	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00015	0.002	No	16	0.0007269	0.0004188	68.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-7D	0.001	0.0001	0.002	No	16	0.0007227	0.0004256	68.75	None	No	0.01	NP (NDs)



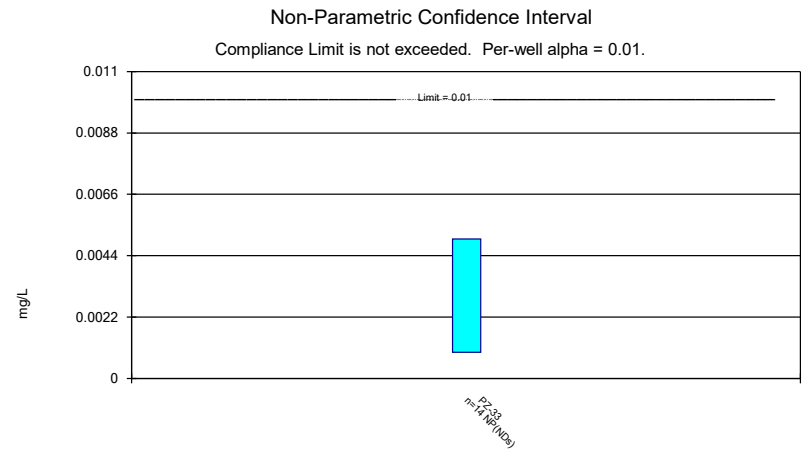
Constituent: Antimony Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Antimony Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



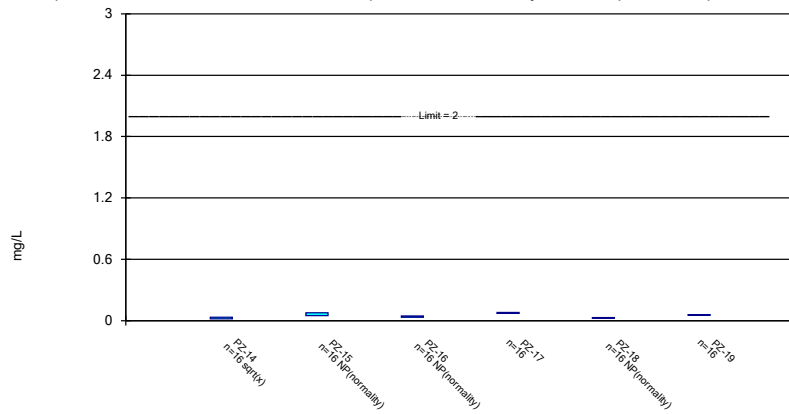
Constituent: Arsenic Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Arsenic Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

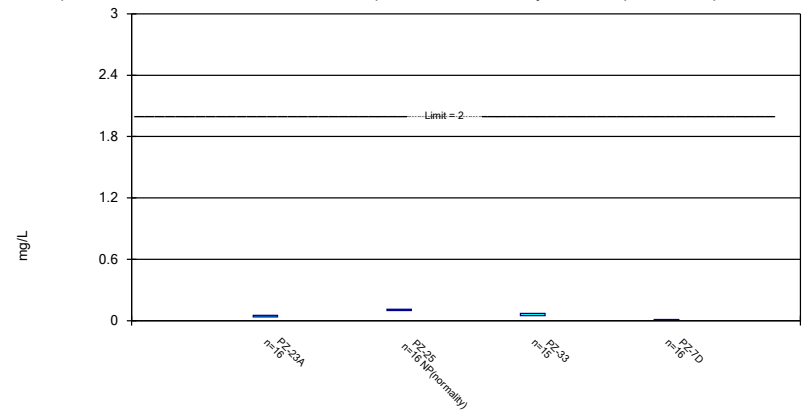
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

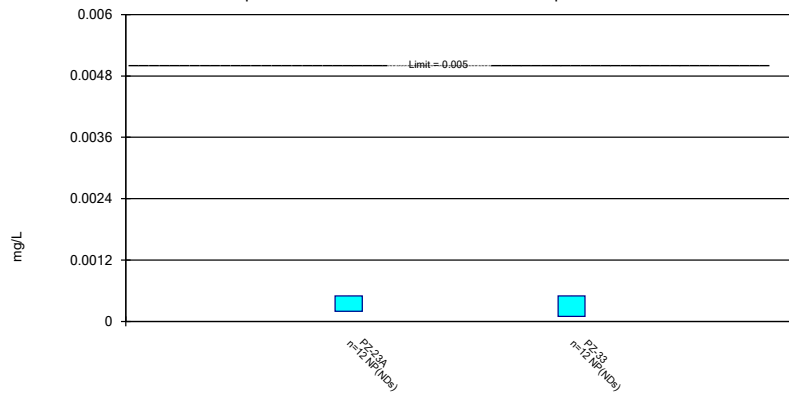
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

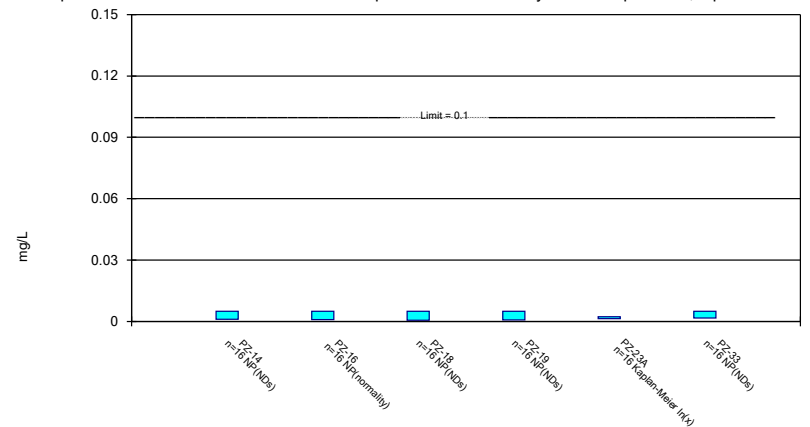
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

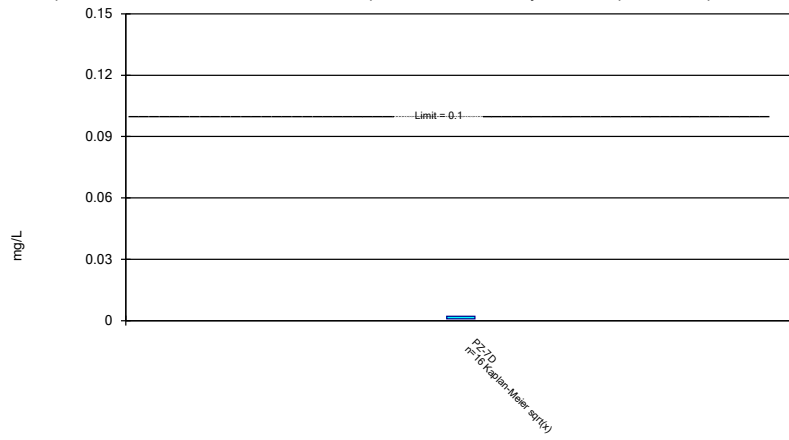
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric Confidence Interval

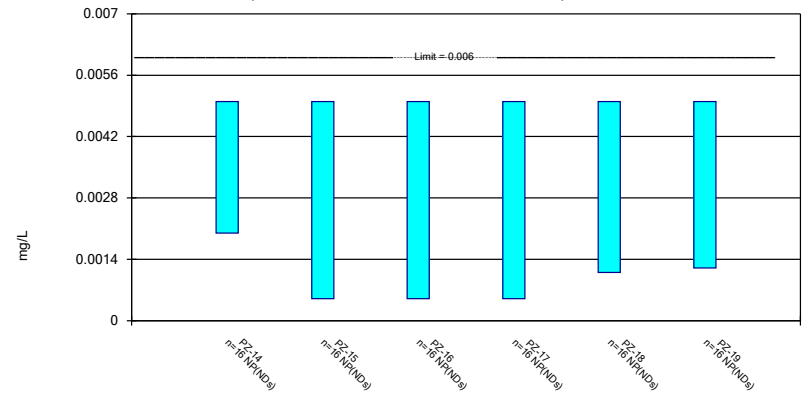
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

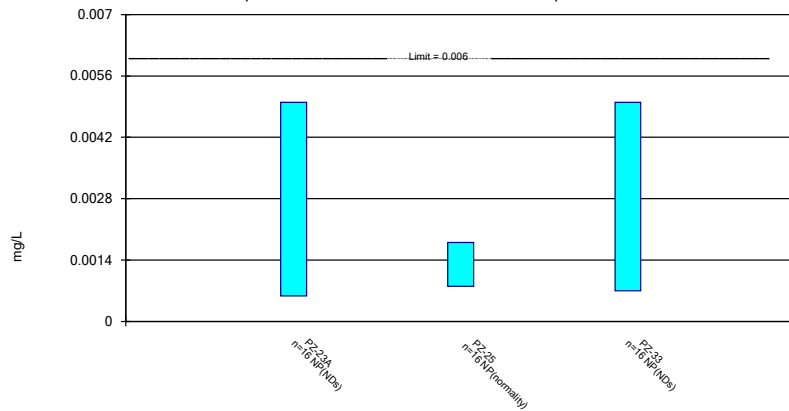
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

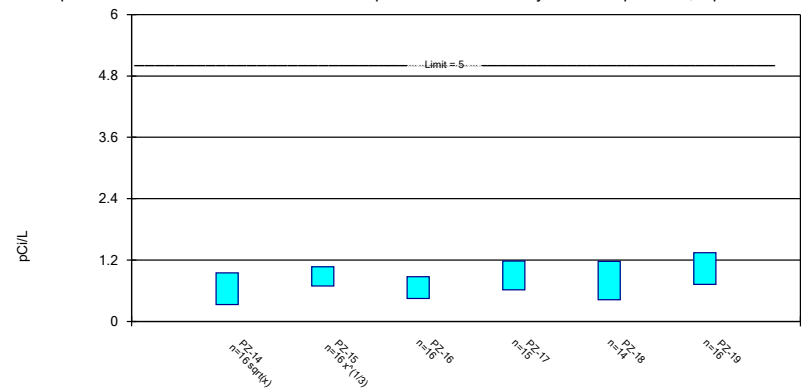
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric Confidence Interval

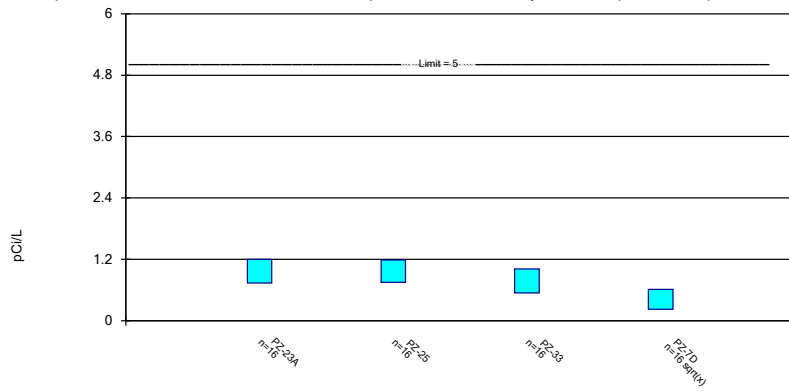
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confid  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric Confidence Interval

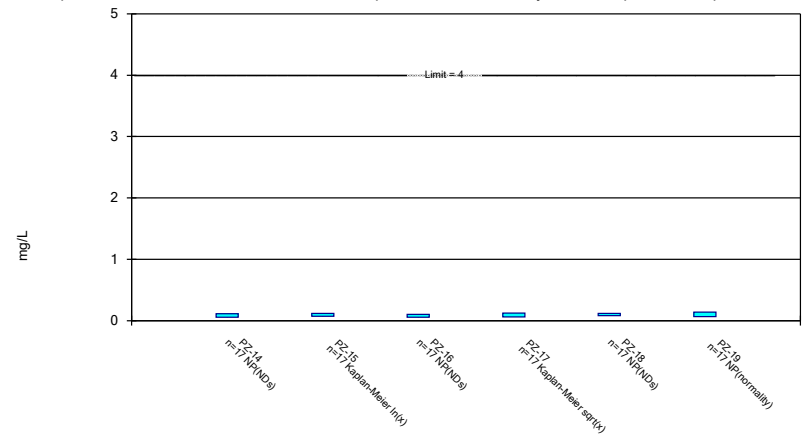
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confid  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

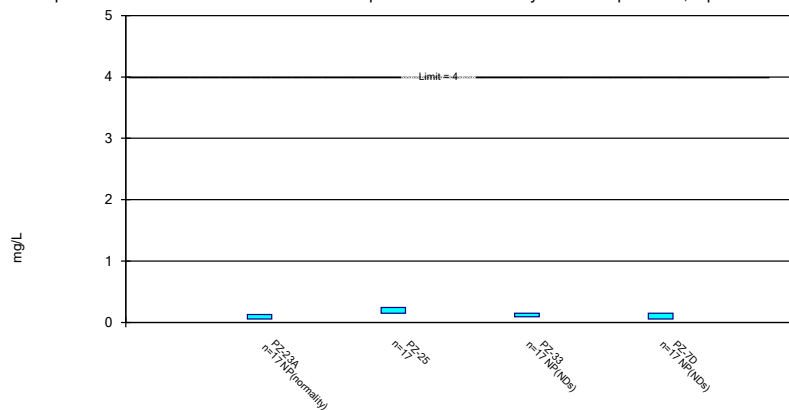
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

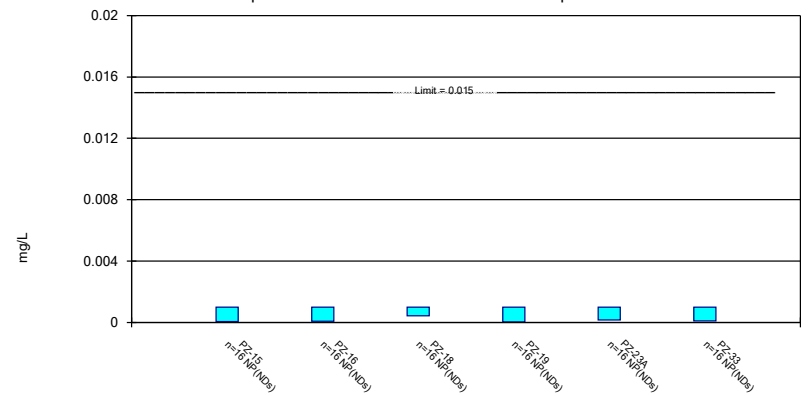
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

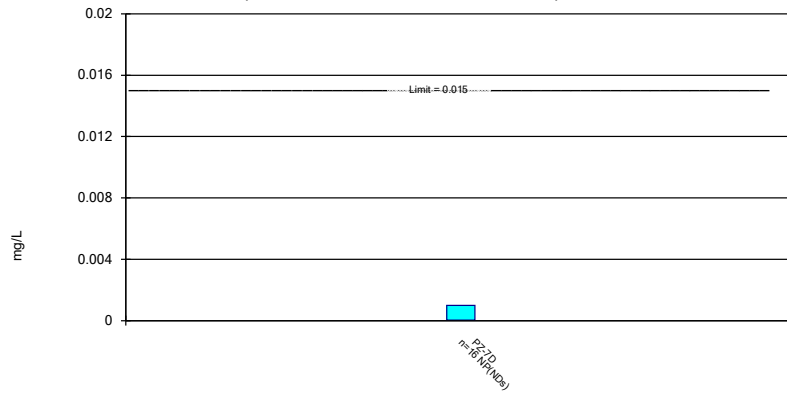
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

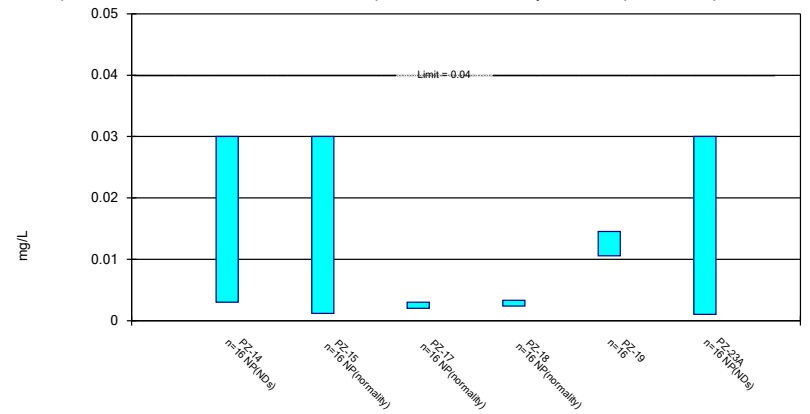
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

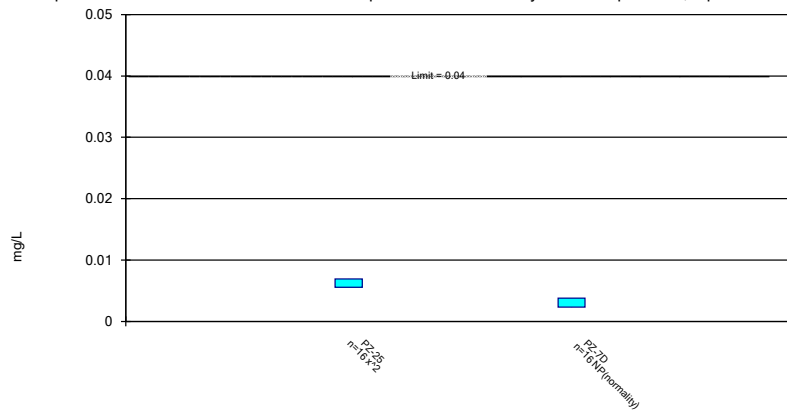
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

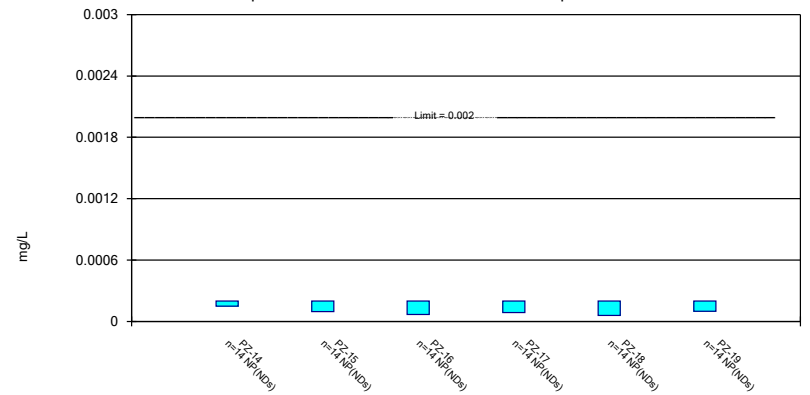
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

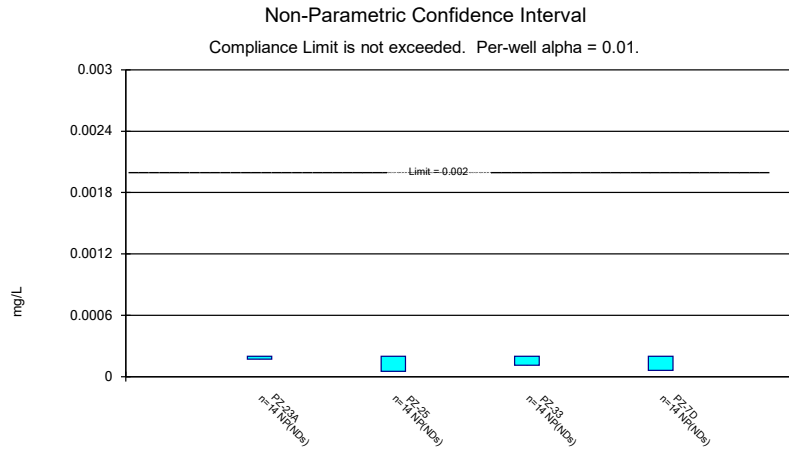
### Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

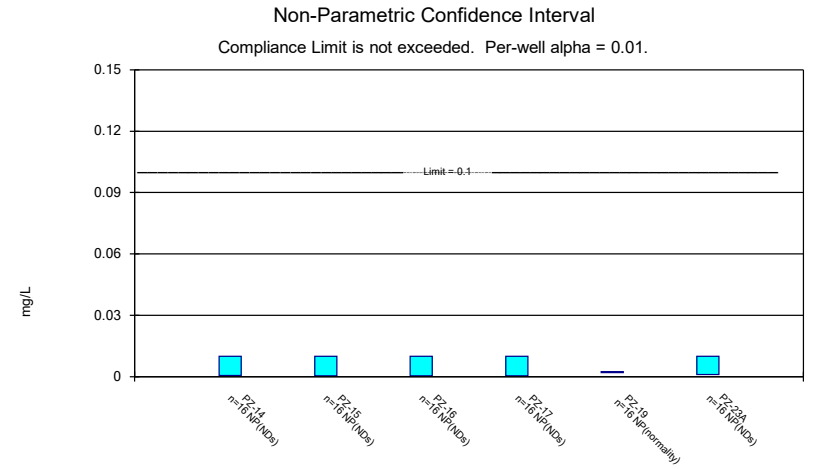


Constituent: Mercury Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

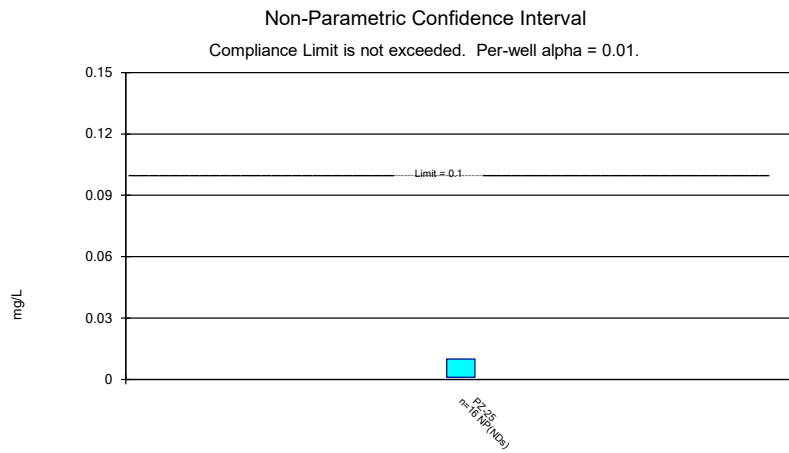




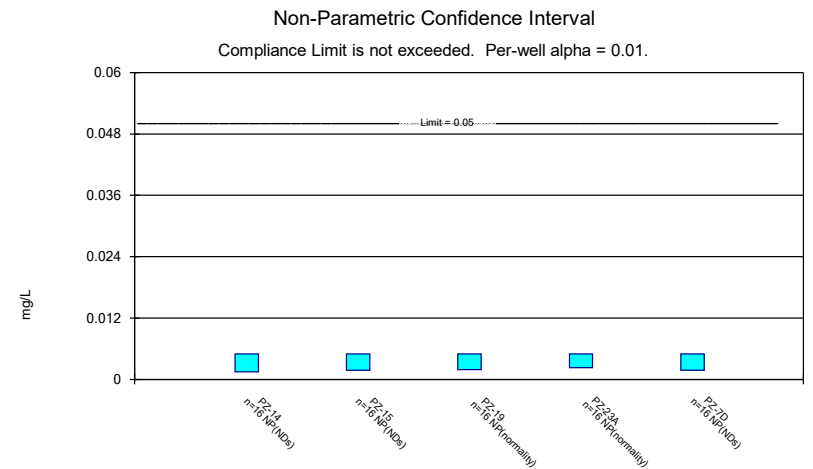
Constituent: Mercury Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Molybdenum Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



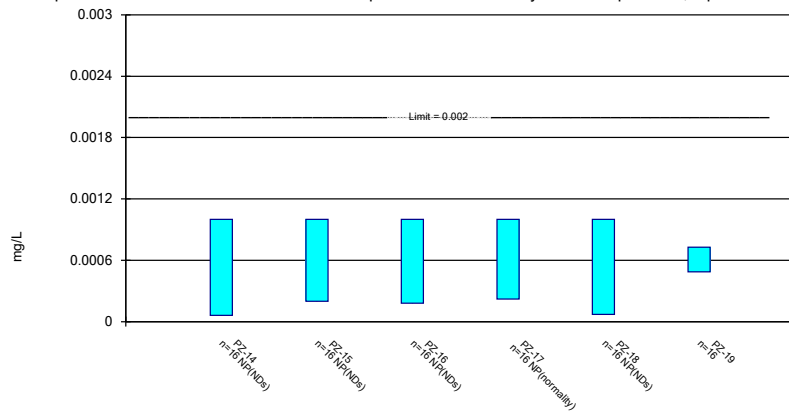
Constituent: Molybdenum Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Selenium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

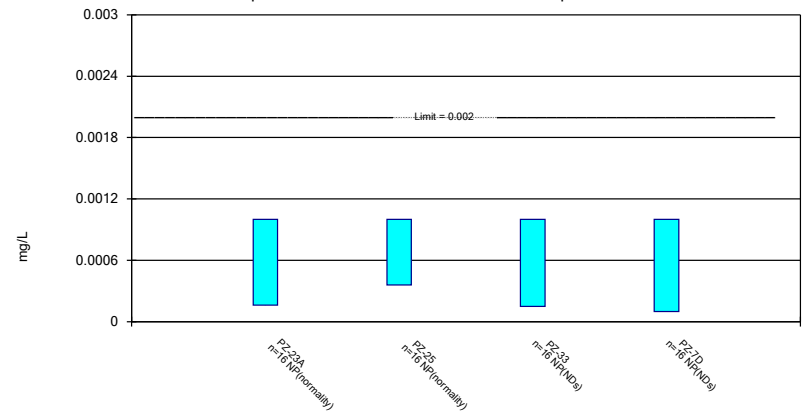
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/21/2022 11:00 AM View: Appendix IV - Confidence Intervals  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

# Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.003					
9/1/2016		0.001 (J)				
9/6/2016			<0.003			
9/7/2016				<0.003	<0.003	<0.003
12/7/2016	<0.003	<0.003	<0.003			
12/8/2016				<0.003	<0.003	<0.003
3/21/2017	0.0004 (J)					
3/22/2017		<0.003	<0.003	<0.003	<0.003	
3/23/2017						<0.003
7/11/2017	<0.003		<0.003			
7/12/2017		<0.003		<0.003	<0.003	<0.003
10/18/2017	<0.003	<0.003	<0.003	<0.003	<0.003	
10/19/2017						<0.003
2/20/2018	<0.003					
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003
7/11/2018	<0.003					
7/12/2018		<0.003	<0.003			<0.003
8/15/2018					<0.003	
8/16/2018				<0.003		
9/12/2018	<0.003					
9/13/2018		<0.003	<0.003		<0.003	
9/14/2018				<0.003		<0.003
10/2/2019	<0.003	<0.003	<0.003	<0.003		
10/3/2019					<0.003	0.00044 (X)
3/25/2020	<0.003			0.00094 (J)		
3/26/2020		<0.003	<0.003		0.0018 (J)	<0.003
8/26/2020	<0.003	0.00062 (J)	0.00037 (J)	0.00061 (J)		<0.003
8/27/2020					<0.003	
10/6/2020	<0.003		<0.003			
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003
3/3/2021	<0.003					<0.003
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003	
9/15/2021	<0.003	<0.003	<0.003			
9/16/2021				<0.003	<0.003	<0.003
1/26/2022	<0.003	<0.003	<0.003			
1/27/2022				<0.003	<0.003	<0.003
8/25/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Mean	0.002838	0.002726	0.002836	0.002569	0.002825	0.00284
Std. Dev.	0.00065	0.0007512	0.0006575	0.0009303	0.0004837	0.00064
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0004	0.001	0.00037	0.00094	0.0018	0.00044

# Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-33	PZ-7D
8/31/2016	<0.003		
9/1/2016			<0.003
12/7/2016	<0.003		<0.003
12/8/2016		<0.003	
3/21/2017	<0.003		
3/22/2017			<0.003
3/23/2017		<0.003	
7/11/2017	<0.003		
7/12/2017		<0.003	<0.003
10/18/2017	<0.003		
10/19/2017		<0.003	<0.003
2/20/2018	<0.003		
2/21/2018		<0.003	<0.003
7/11/2018	<0.003		
7/12/2018		<0.003	<0.003
9/13/2018	<0.003		<0.003
9/14/2018		<0.003	
10/4/2018		<0.003	
9/10/2019	<0.003		
10/3/2019		<0.003	0.00029 (X)
3/25/2020	<0.003		
3/26/2020		<0.003	0.00042 (J)
8/26/2020	0.00038 (J)	<0.003	0.00031 (J)
10/6/2020	<0.003		
10/7/2020		0.00037 (J)	<0.003
3/3/2021	0.0017 (J)		
3/4/2021		<0.003	<0.003
9/15/2021	<0.003		
9/16/2021		<0.003	<0.003
1/26/2022	<0.003		
1/27/2022		<0.003	<0.003
8/24/2022		0.00082 (J)	
8/25/2022	<0.003		<0.003
Mean	0.002755	0.002699	0.002501
Std. Dev.	0.0007115	0.0008256	0.001073
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.0017	0.00082	0.00042

# Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-19	PZ-23A	PZ-25
8/31/2016	<0.005				<0.005	
9/1/2016		<0.005				
9/7/2016			<0.005	<0.005		
9/8/2016						0.0017 (J)
12/7/2016	<0.005	<0.005			<0.005	
12/8/2016			<0.005	<0.005		<0.005
3/21/2017	<0.005				<0.005	
3/22/2017		0.0011 (J)	0.0007 (J)			0.001 (J)
3/23/2017				0.0007 (J)		
7/11/2017	<0.005				<0.005	<0.005
7/12/2017		0.0006 (J)	<0.005	<0.005		
10/18/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/19/2017				<0.005		
2/20/2018	<0.005				<0.005	
2/21/2018		0.00089 (J)	0.00072 (J)	<0.005		0.00071 (J)
7/11/2018	<0.005				<0.005	
7/12/2018		<0.005		<0.005		<0.005
8/16/2018			0.0007 (J)			
9/12/2018	<0.005					
9/13/2018		<0.005			<0.005	<0.005
9/14/2018			<0.005	<0.005		
9/10/2019					0.00036 (X)	
10/2/2019	0.00083 (X)	<0.005	<0.005			0.00063 (X)
10/3/2019				<0.005		
3/25/2020	<0.005		<0.005		<0.005	<0.005
3/26/2020		<0.005		<0.005		
8/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2021	<0.005	<0.005			<0.005	<0.005
9/16/2021			<0.005	<0.005		
1/26/2022	<0.005	<0.005			<0.005	<0.005
1/27/2022			<0.005	<0.005		
8/24/2022						<0.005
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	
Mean	0.004702	0.004114	0.00408	0.004693	0.004669	0.00386
Std. Dev.	0.001114	0.001764	0.001828	0.001149	0.00124	0.001885
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00083	0.0011	0.00072	0.0007	0.00036	0.001

# Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-33
12/8/2016	<0.005
3/23/2017	0.0007 (J)
7/12/2017	<0.005
10/19/2017	<0.005
2/21/2018	0.00094 (J)
7/12/2018	<0.005
9/14/2018	<0.005
10/4/2018	<0.005
10/3/2019	<0.005
3/26/2020	<0.005
8/26/2020	<0.005
9/16/2021	<0.005
1/27/2022	<0.005
8/24/2022	<0.005
Mean	0.004403
Std. Dev.	0.001519
Upper Lim.	0.005
Lower Lim.	0.00094

# Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	0.0253					
9/1/2016		0.103				
9/6/2016			0.0794			
9/7/2016				0.0823	0.0717	0.067
12/7/2016	0.065	0.0781	0.0689			
12/8/2016				0.0668	0.0513	0.0522
3/21/2017	0.0379					
3/22/2017		0.0589	0.0423	0.0821	0.0273	
3/23/2017						0.0591
7/11/2017	0.036		0.0467			
7/12/2017		0.0613		0.0805	0.0269	0.0604
10/18/2017	0.0247	0.0617	0.0446	0.0776	0.0258	
10/19/2017						0.0542
2/20/2018	0.03					
2/21/2018		0.076	0.046	0.073	0.029	0.058
7/11/2018	0.027					
7/12/2018		0.056	0.043			0.057
8/15/2018					0.027	
8/16/2018				0.081		
9/12/2018	0.022					
9/13/2018		0.048	0.038		0.023	
9/14/2018				0.081		0.058
10/2/2019	0.017	0.049	0.038	0.074		
10/3/2019					0.025	0.057
3/25/2020	0.021			0.077		
3/26/2020		0.048	0.034		0.023	0.052
8/26/2020	0.016	0.053	0.036	0.077		0.049
8/27/2020					0.023	
10/6/2020	0.016		0.034			
10/7/2020		0.049		0.074	0.023	0.054
3/3/2021	0.017					0.055
3/4/2021		0.047	0.035	0.071	0.023	
9/15/2021	0.014	0.045	0.032			
9/16/2021				0.064	0.022	0.053
1/26/2022	0.016	0.055	0.034			
1/27/2022				0.072	0.025	0.055
8/25/2022	0.011	0.057	0.035	0.061	0.026	0.046
Mean	0.02474	0.05913	0.04293	0.07464	0.0295	0.05543
Std. Dev.	0.01324	0.01516	0.0132	0.006501	0.01319	0.004848
Upper Lim.	0.03145	0.076	0.0467	0.07887	0.029	0.05859
Lower Lim.	0.01661	0.048	0.034	0.07041	0.023	0.05228

# Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	0.0407			
9/1/2016				0.0117
9/8/2016		0.102		
12/7/2016	0.0581			0.0133
12/8/2016		0.102	0.162 (o)	
3/21/2017	0.0678			
3/22/2017		0.0951		0.0114
3/23/2017			0.0753	
7/11/2017	0.0574	0.102		
7/12/2017			0.0756	0.0097 (J)
10/18/2017	0.0351	0.0997		
10/19/2017			0.0681	0.0091 (J)
2/20/2018	0.05			
2/21/2018		0.11	0.085	0.0086 (J)
7/11/2018	0.051			
7/12/2018		0.1	0.076	0.0093 (J)
9/13/2018	0.038	0.1		0.0078 (J)
9/14/2018			0.071	
10/4/2018			0.072	
9/10/2019	0.029			
10/2/2019		0.11		
10/3/2019			0.057	0.007 (X)
3/25/2020	0.048	0.11		
3/26/2020			0.057	0.0072 (J)
8/26/2020	0.039	0.1	0.051	0.007 (J)
10/6/2020	0.037			
10/7/2020		0.11	0.048	0.0061 (J)
3/3/2021	0.039	0.12		
3/4/2021			0.047	0.0061
9/15/2021	0.037	0.11		
9/16/2021			0.039	0.0062
1/26/2022	0.039	0.11		
1/27/2022			0.043	0.0068
8/24/2022		0.1	0.038	
8/25/2022	0.036			0.0058
Mean	0.04388	0.1051	0.0602	0.008319
Std. Dev.	0.01044	0.006471	0.01539	0.00227
Upper Lim.	0.05067	0.11	0.07063	0.009796
Lower Lim.	0.03709	0.1	0.04977	0.006842



# Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-23A	PZ-33
8/31/2016	0.0002 (J)	
12/7/2016	0.0002 (J)	
12/8/2016		<0.0005
3/21/2017	<0.0005	
3/23/2017		0.0001 (J)
7/11/2017	<0.0005	
7/12/2017		<0.0005
10/18/2017	<0.0005	
10/19/2017		<0.0005
2/20/2018	<0.0005	
2/21/2018		<0.0005
7/11/2018	<0.0005	
7/12/2018		<0.0005
9/13/2018	<0.0005	
9/14/2018		<0.0005
10/4/2018		<0.0005
8/26/2020	<0.0005	<0.0005
9/15/2021	<0.0005	
9/16/2021		<0.0005
1/26/2022	<0.0005	
1/27/2022		<0.0005
8/24/2022		<0.0005
8/25/2022	<0.0005	
Mean	0.00045	0.0004667
Std. Dev.	0.0001168	0.0001155
Upper Lim.	0.0005	0.0005
Lower Lim.	0.0002	0.0001

# Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33
8/31/2016	<0.005				<0.005	
9/6/2016		<0.005				
9/7/2016			<0.005	<0.005		
12/7/2016	<0.005	<0.005			<0.005	
12/8/2016			<0.005	<0.005		<0.005
3/21/2017	<0.005				0.0009 (J)	
3/22/2017		0.0008 (J)	<0.005			
3/23/2017				<0.005		0.0017 (J)
7/11/2017	<0.005	<0.005			0.0016 (J)	
7/12/2017			<0.005	<0.005		<0.005
10/18/2017	<0.005	<0.005	<0.005		0.0019 (J)	
10/19/2017				<0.005		<0.005
2/20/2018	<0.005				<0.005	
2/21/2018		<0.005	<0.005	<0.005		<0.005
7/11/2018	<0.005				0.0021 (J)	
7/12/2018		<0.005		<0.005		<0.005
8/15/2018			<0.005			
9/12/2018	<0.005					
9/13/2018		<0.005	<0.005		0.0022 (J)	
9/14/2018				<0.005		<0.005
10/4/2018						<0.005
9/10/2019					0.0044 (X)	
10/2/2019	<0.005	0.00044 (X)				
10/3/2019			<0.005	<0.005		<0.005
3/25/2020	0.0013 (J)				0.0012 (J)	
3/26/2020		0.0013 (J)	0.00056 (J)	0.00073 (J)		<0.005
8/26/2020	0.0011 (J)	0.00087 (J)		<0.005	0.0014 (J)	<0.005
8/27/2020			<0.005			
10/6/2020	0.00098 (J)	0.0011 (J)			0.0015 (J)	
10/7/2020			<0.005	<0.005		<0.005
3/3/2021	0.00097 (J)			<0.005	0.0015 (J)	
3/4/2021		0.0012 (J)	<0.005			<0.005
9/15/2021	0.0014 (J)	0.0011 (J)			0.0019 (J)	
9/16/2021			<0.005	<0.005		<0.005
1/26/2022	0.0012 (J)	0.0013 (J)			0.0028 (J)	
1/27/2022			<0.005	<0.005		<0.005
8/24/2022						<0.005
8/25/2022	0.0014 (J)	0.0012 (J)	<0.005	<0.005	0.0022 (J)	
Mean	0.003334	0.002769	0.004722	0.004733	0.002537	0.004794
Std. Dev.	0.001954	0.002042	0.00111	0.001067	0.001455	0.000825
Upper Lim.	0.005	0.005	0.005	0.005	0.002196	0.005
Lower Lim.	0.0011	0.00087	0.00056	0.00073	0.001274	0.0017

# Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-7D
9/1/2016	<0.005
12/7/2016	0.003 (J)
3/22/2017	0.0005 (J)
7/12/2017	<0.005
10/19/2017	0.0005 (J)
2/21/2018	<0.005
7/12/2018	<0.005
9/13/2018	<0.005
10/3/2019	0.0004 (X)
3/26/2020	0.0016 (J)
8/26/2020	0.0011 (J)
10/7/2020	0.0014 (J)
3/4/2021	0.0024 (J)
9/16/2021	0.0025 (J)
1/27/2022	0.0034 (J)
8/25/2022	0.0024 (J)
Mean	0.002762
Std. Dev.	0.001782
Upper Lim.	0.002159
Lower Lim.	0.0008284

# Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.005					
9/1/2016		0.0012 (J)				
9/6/2016			0.0005 (J)			
9/7/2016				0.0011 (J)	0.0011 (J)	0.0012 (J)
12/7/2016	0.002 (J)	0.0005 (J)	<0.005			
12/8/2016				0.0006 (J)	<0.005	0.0009 (J)
3/21/2017	<0.005					
3/22/2017		0.0005 (J)	<0.005	0.0006 (J)	<0.005	
3/23/2017						<0.005
7/11/2017	0.0003 (J)		<0.005			
7/12/2017		0.0004 (J)		0.0005 (J)	<0.005	<0.005
10/18/2017	<0.005	0.0004 (J)	<0.005	0.0005 (J)	<0.005	
10/19/2017						<0.005
2/20/2018	<0.005					
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018	<0.005					
7/12/2018		<0.005	<0.005			<0.005
8/15/2018					<0.005	
8/16/2018				<0.005		
9/12/2018	<0.005					
9/13/2018		<0.005	<0.005		<0.005	
9/14/2018				<0.005		<0.005
10/2/2019	<0.005	<0.005	<0.005	<0.005		
10/3/2019					<0.005	<0.005
3/25/2020	<0.005			0.00032 (J)		
3/26/2020		<0.005	<0.005		<0.005	<0.005
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005
8/27/2020					<0.005	
10/6/2020	<0.005		<0.005			
10/7/2020		<0.005		<0.005	<0.005	<0.005
3/3/2021	<0.005					<0.005
3/4/2021		<0.005	<0.005	<0.005	<0.005	
9/15/2021	<0.005	<0.005	<0.005			
9/16/2021				<0.005	<0.005	<0.005
1/26/2022	<0.005	<0.005	<0.005			
1/27/2022				<0.005	<0.005	<0.005
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mean	0.004519	0.003625	0.004719	0.003351	0.004756	0.004506
Std. Dev.	0.001351	0.002114	0.001125	0.002204	0.000975	0.00135
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.002	0.0005	0.0005	0.0005	0.0011	0.0012

# Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.005		
9/8/2016		0.0008 (J)	
12/7/2016	0.0008 (J)		
12/8/2016		<0.005	0.0041 (J)
3/21/2017	<0.005		
3/22/2017		0.001 (J)	
3/23/2017			0.0008 (J)
7/11/2017	<0.005	0.001 (J)	
7/12/2017			0.0007 (J)
10/18/2017	<0.005	0.0011 (J)	
10/19/2017			0.0005 (J)
2/20/2018	<0.005		
2/21/2018		0.00075 (J)	0.0012 (J)
7/11/2018	<0.005		
7/12/2018		0.0008 (J)	0.00053 (J)
9/13/2018	<0.005	0.001 (J)	
9/14/2018			<0.005
10/4/2018			<0.005
9/10/2019	<0.005		
10/2/2019		0.0017 (X)	
10/3/2019			<0.005
3/25/2020	0.0003 (J)	0.0018 (J)	
3/26/2020			<0.005
8/26/2020	0.00058 (J)	0.0016 (J)	<0.005
10/6/2020	0.00067 (J)		
10/7/2020		0.0014 (J)	<0.005
3/3/2021	0.00049 (J)	0.0016 (J)	
3/4/2021			<0.005
9/15/2021	<0.005	0.002 (J)	
9/16/2021			<0.005
1/26/2022	<0.005	0.0016 (J)	
1/27/2022			<0.005
8/24/2022		0.0016 (J)	<0.005
8/25/2022	<0.005		
Mean	0.003615	0.001547	0.003614
Std. Dev.	0.002124	0.001003	0.002015
Upper Lim.	0.005	0.0018	0.005
Lower Lim.	0.00058	0.0008	0.0007

# Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	1.77					
9/1/2016		1.19				
9/6/2016			1.12			
9/7/2016				1.06 (U)	1.51	1.22
12/7/2016	0.672 (U)	1.88	1.37			
12/8/2016				1.3	1.29	1.69
3/21/2017	0.33 (U)					
3/22/2017		0.617 (U)	0.435 (U)	0.566 (U)	0.799 (U)	
3/23/2017						1.07
7/11/2017	0.701 (U)		0.76 (U)			
7/12/2017		0.674 (U)		0.856 (U)	0.4 (U)	0.849 (U)
10/18/2017	0.808 (U)	0.844 (U)	0.847 (U)	0.957	0.613 (U)	
10/19/2017						0.398 (U)
2/20/2018	2.12					
2/21/2018		0.842 (U)	0.373 (U)	1.4	0.736 (U)	1.03 (U)
7/11/2018	0.232 (U)					
7/12/2018		0.552 (U)	0.408 (U)			1.28 (U)
9/12/2018	0.532 (U)					
9/13/2018		0.662 (U)	0.472 (U)		0.708 (U)	
9/14/2018				1.16		0.74 (U)
10/2/2019	0.915 (U)	1 (U)	0.65 (U)	1.34 (U)		
10/3/2019					2.07	1.9
3/25/2020	0.694 (U)			0.385 (U)		
3/26/2020		0.863 (U)	0.522 (U)		1.05	1.66
8/26/2020	0.115 (U)	0.681 (U)	0.499 (U)	1.62		0.703 (U)
10/6/2020	0.265 (U)		1.12 (U)			
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893
3/3/2021	0.328 (U)					0.469 (U)
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)	
9/15/2021	0.872 (U)	0.729 (U)	0.721 (U)			
9/16/2021				0.377 (U)	0.681 (U)	1.4
1/26/2022	0.185 (U)	0.879 (U)	0.117 (U)			
1/27/2022				0.314 (U)	0.418 (U)	0.255 (U)
8/25/2022	0.453 (U)	1.05	0.728 (U)	0.98 (U)	0.0434 (U)	0.937
Mean	0.687	0.8973	0.6591	0.8987	0.7987	1.031
Std. Dev.	0.5554	0.3291	0.3284	0.4198	0.5292	0.4756
Upper Lim.	0.9475	1.066	0.8728	1.183	1.173	1.34
Lower Lim.	0.3298	0.6938	0.4454	0.6143	0.4239	0.7215

# Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	1.85			
9/1/2016				0.88 (U)
9/8/2016		1.41		
12/7/2016	0.844 (U)			0.179 (U)
12/8/2016		1.39	0.968 (U)	
3/21/2017	0.832 (U)			
3/22/2017		0.852 (U)		0.279 (U)
3/23/2017			0.444 (U)	
7/11/2017	0.824 (U)	1.04		
7/12/2017			0.814 (U)	0.125 (U)
10/18/2017	1.19	0.678 (U)		
10/19/2017			0.748 (U)	0.329 (U)
2/20/2018	0.975 (U)			
2/21/2018		0.863 (U)	1.05 (U)	0.504 (U)
7/11/2018	1.29			
7/12/2018		1.42	0.751 (U)	0.188 (U)
9/13/2018	0.765 (U)	0.766 (U)		0.0542 (U)
9/14/2018			1.01 (U)	
10/4/2018			1.05	
9/10/2019	0.575 (U)			
10/2/2019		1.48		
10/3/2019			1.62 (U)	1.37
3/25/2020	1.39	0.91 (U)		
3/26/2020			0.473 (U)	0.43 (U)
8/26/2020	0.774 (U)	0.95 (U)	0.782 (U)	0.572 (U)
10/6/2020	1.24 (U)			
10/7/2020		1.01 (U)	0.442 (U)	0.232 (U)
3/3/2021	1.01 (U)	0.545 (U)		
3/4/2021			1.03 (U)	0.529 (U)
9/15/2021	0.742 (U)	1.07 (U)		
9/16/2021			0.184 (U)	0.382 (U)
1/26/2022	0.76 (U)	0.282 (U)		
1/27/2022			0.259 (U)	0.315 (U)
8/24/2022		0.764 (U)	0.764 (U)	
8/25/2022	0.396 (U)			0.771 (U)
Mean	0.9661	0.9644	0.7743	0.4462
Std. Dev.	0.3554	0.3368	0.3608	0.3344
Upper Lim.	1.197	1.183	1.009	0.6104
Lower Lim.	0.7349	0.7453	0.5396	0.2246

# Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	0.13 (J)					
9/1/2016		0.06 (J)				
9/6/2016			0.09 (J)			
9/7/2016				0.03 (J)	0.12 (J)	0.15 (J)
12/7/2016	0.07 (J)	0.09 (J)	0.09 (J)			
12/8/2016				0.18 (J)	0.18 (J)	0.12 (J)
3/21/2017	<0.1					
3/22/2017		0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)	
3/23/2017						0.14 (J)
7/11/2017	0.05 (J)		0.05 (J)			
7/12/2017		0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)
10/18/2017	0.11 (J)	0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)	
10/19/2017						<0.1
2/20/2018	0.04 (J)					
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37
7/11/2018	<0.1					
7/12/2018		<0.1	<0.1			0.17 (J)
8/15/2018					<0.1	
8/16/2018				0.073 (J)		
9/12/2018	<0.1					
9/13/2018		0.15 (J)	<0.1		<0.1	
9/14/2018				<0.1		<0.1
3/27/2019	<0.1		<0.1		<0.1	
3/28/2019		0.1		0.15		0.074
10/2/2019	0.056 (X)	0.075 (X)	0.053 (X)	0.063 (X)		
10/3/2019					0.043 (X)	0.084 (X)
3/25/2020	<0.1			<0.1		
3/26/2020		0.056 (J)	<0.1		<0.1	0.077 (J)
8/26/2020	<0.1	<0.1	<0.1	<0.1		0.062 (J)
8/27/2020					<0.1	
10/6/2020	<0.1		<0.1			
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)
3/3/2021	<0.1					0.058 (J)
3/4/2021		<0.1	<0.1	<0.1	<0.1	
9/15/2021	<0.1	<0.1	<0.1			
9/16/2021				0.052 (J)	<0.1	0.067 (J)
1/26/2022	<0.1	<0.1	<0.1			
1/27/2022				<0.1	<0.1	0.056 (J)
8/25/2022	0.051 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)
Mean	0.08865	0.1075	0.08359	0.118	0.09947	0.1087
Std. Dev.	0.02518	0.04446	0.0241	0.06353	0.03486	0.07546
Upper Lim.	0.11	0.1172	0.1	0.1252	0.12	0.14
Lower Lim.	0.056	0.07172	0.053	0.05759	0.08	0.064



# Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	0.13 (J)			
9/1/2016				<0.1
9/8/2016		0.25 (J)		
12/7/2016	0.13 (J)			0.15 (J)
12/8/2016		0.22 (J)	0.21 (J)	
3/21/2017	0.05 (J)			
3/22/2017		0.16 (J)		0.09 (J)
3/23/2017			0.18 (J)	
7/11/2017	0.05 (J)	0.23 (J)		
7/12/2017			0.06 (J)	0.02 (J)
10/18/2017	<0.1	0.28 (J)		
10/19/2017			<0.1	<0.1
2/20/2018	0.3 (J)			
2/21/2018		0.29 (J)	0.039 (J)	0.045 (J)
7/11/2018	0.077 (J)			
7/12/2018		0.21 (J)	<0.1	<0.1
9/13/2018	<0.1	0.22 (J)		<0.1
9/14/2018			<0.1	
10/4/2018			0.15 (J)	
3/27/2019	<0.1	0.37		
3/28/2019			<0.1	<0.1
9/10/2019	<0.1			
10/2/2019		0.16 (X)		
10/3/2019			0.06 (X)	0.041 (X)
3/25/2020	0.066 (J)	0.13 (J)		
3/26/2020			<0.1	<0.1
8/26/2020	0.057 (J)	0.14	<0.1	<0.1
10/6/2020	0.052 (J)			
10/7/2020		0.13	<0.1	<0.1
3/3/2021	<0.1	0.12		
3/4/2021			<0.1	<0.1
9/15/2021	<0.1	0.14		
9/16/2021			<0.1	<0.1
1/26/2022	<0.1	0.11		
1/27/2022			<0.1	<0.1
8/24/2022		0.15	0.092 (J)	
8/25/2022	0.074 (J)			0.056 (J)
Mean	0.09918	0.1947	0.1054	0.08835
Std. Dev.	0.05772	0.07264	0.04146	0.03076
Upper Lim.	0.13	0.2402	0.15	0.15
Lower Lim.	0.057	0.1492	0.092	0.056

# Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-15	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33
8/31/2016					<0.001	
9/1/2016	<0.001					
9/6/2016		<0.001				
9/7/2016			<0.001	<0.001		
12/7/2016	<0.001	<0.001			<0.001	
12/8/2016			<0.001	<0.001		<0.001
3/21/2017					<0.001	
3/22/2017	5E-05 (J)	<0.001	<0.001			
3/23/2017				<0.001		9E-05 (J)
7/11/2017		<0.001			<0.001	
7/12/2017	<0.001		<0.001	<0.001		<0.001
10/18/2017	<0.001	<0.001	<0.001		<0.001	
10/19/2017				<0.001		<0.001
2/20/2018					<0.001	
2/21/2018	<0.001	<0.001	0.00043 (J)	<0.001		<0.001
7/11/2018					<0.001	
7/12/2018	<0.001	<0.001		<0.001		<0.001
8/15/2018			<0.001			
9/13/2018	<0.001	<0.001	<0.001		<0.001	
9/14/2018				<0.001		<0.001
10/4/2018						<0.001
9/10/2019					<0.001	
10/2/2019	<0.001	8.1E-05 (X)				
10/3/2019			<0.001	<0.001		4.7E-05 (X)
3/25/2020					0.00015 (J)	
3/26/2020	<0.001	<0.001	<0.001	<0.001		<0.001
8/26/2020	<0.001	<0.001		<0.001	<0.001	<0.001
8/27/2020			<0.001			
10/6/2020		<0.001			4.7E-05 (J)	
10/7/2020	<0.001		4.2E-05 (J)	4.2E-05 (J)		<0.001
3/3/2021				<0.001	5.8E-05 (J)	
3/4/2021	<0.001	<0.001	<0.001			<0.001
9/15/2021	<0.001	<0.001			<0.001	
9/16/2021			<0.001	<0.001		<0.001
1/26/2022	<0.001	<0.001			<0.001	
1/27/2022			<0.001	<0.001		<0.001
8/24/2022						<0.001
8/25/2022	<0.001	<0.001	<0.001	<0.001	<0.001	
Mean	0.0009406	0.0009426	0.0009045	0.0009401	0.0008284	0.0008836
Std. Dev.	0.0002375	0.0002298	0.0002704	0.0002395	0.0003694	0.0003183
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	5E-05	8.1E-05	0.00043	4.2E-05	0.00015	9E-05

# Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-7D
9/1/2016	<0.001
12/7/2016	<0.001
3/22/2017	<0.001
7/12/2017	<0.001
10/19/2017	<0.001
2/21/2018	<0.001
7/12/2018	<0.001
9/13/2018	<0.001
10/3/2019	<0.001
3/26/2020	<0.001
8/26/2020	<0.001
10/7/2020	<0.001
3/4/2021	4.1E-05 (J)
9/16/2021	<0.001
1/27/2022	<0.001
8/25/2022	<0.001
Mean	0.0009401
Std. Dev.	0.0002398
Upper Lim.	0.001
Lower Lim.	4.1E-05

# Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016	<0.03					<0.03
9/1/2016		<0.03				
9/7/2016			<0.03	<0.03	0.0082 (J)	
12/7/2016	0.003 (J)	<0.03				<0.03
12/8/2016			<0.03	<0.03	0.0061 (J)	
3/21/2017	<0.03					<0.03
3/22/2017		0.0011 (J)	0.0021 (J)	0.0029 (J)		
3/23/2017					0.0122 (J)	
7/11/2017	<0.03					<0.03
7/12/2017		<0.03	0.002 (J)	0.0024 (J)	0.013 (J)	
10/18/2017	<0.03	<0.03	0.002 (J)	0.0027 (J)		<0.03
10/19/2017					0.013 (J)	
2/20/2018	<0.03					<0.03
2/21/2018		<0.03	0.0022 (J)	0.0021 (J)	0.0085 (J)	
7/11/2018	<0.03					<0.03
7/12/2018		0.0012 (J)			0.013 (J)	
8/15/2018				0.0027 (J)		
8/16/2018			0.0027 (J)			
9/12/2018	<0.03					
9/13/2018		0.0013 (J)		0.0029 (J)		<0.03
9/14/2018			0.0025 (J)		0.018 (J)	
9/10/2019						<0.03
10/2/2019	<0.03	0.0013 (X)	0.0024 (X)			
10/3/2019				0.0027 (X)	0.016 (X)	
3/25/2020	<0.03		0.003 (J)			0.0011 (J)
3/26/2020		0.0014 (J)		0.0027 (J)	0.013 (J)	
8/26/2020	<0.03	0.0013 (J)	0.0028 (J)		0.011 (J)	0.0011 (J)
8/27/2020				0.0025 (J)		
10/6/2020	<0.03					0.00097 (J)
10/7/2020		0.0013 (J)	0.0029 (J)	0.003 (J)	0.013 (J)	
3/3/2021	<0.03				0.015 (J)	0.001 (J)
3/4/2021		0.0014 (J)	0.002 (J)	0.0029 (J)		
9/15/2021	<0.03	0.0013 (J)				0.00085 (J)
9/16/2021			0.0021 (J)	0.0023 (J)	0.013 (J)	
1/26/2022	<0.03	0.0013 (J)				<0.03
1/27/2022			0.0022 (J)	0.003 (J)	0.016 (J)	
8/25/2022	<0.03	0.0012 (J)	0.0018 (J)	0.0033 (J)	0.012 (J)	<0.03
Mean	0.02831	0.01026	0.005794	0.006131	0.01256	0.02094
Std. Dev.	0.00675	0.01375	0.009456	0.009322	0.00306	0.01388
Upper Lim.	0.03	0.03	0.003	0.0033	0.01455	0.03
Lower Lim.	0.003	0.0012	0.002	0.0024	0.01057	0.001

# Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-7D
9/1/2016		0.0022 (J)
9/8/2016	0.0038 (J)	
12/7/2016		0.0023 (J)
12/8/2016	0.0038 (J)	
3/22/2017	0.0068 (J)	0.0025 (J)
7/11/2017	0.0059 (J)	
7/12/2017		0.0033 (J)
10/18/2017	0.0057 (J)	
10/19/2017		<0.03
2/21/2018	0.0063 (J)	0.0034 (J)
7/12/2018	0.0063 (J)	0.0038 (J)
9/13/2018	0.0061 (J)	0.0026 (J)
10/2/2019	0.0074 (X)	
10/3/2019		0.0032 (X)
3/25/2020	0.0066 (J)	
3/26/2020		0.0031 (J)
8/26/2020	0.0065 (J)	0.0023 (J)
10/7/2020	0.0063 (J)	0.0023 (J)
3/3/2021	0.0061 (J)	
3/4/2021		0.0031 (J)
9/15/2021	0.0061 (J)	
9/16/2021		0.0025 (J)
1/26/2022	0.008 (J)	
1/27/2022		0.0039 (J)
8/24/2022	0.0073 (J)	
8/25/2022		0.003 (J)
Mean	0.006188	0.004594
Std. Dev.	0.001108	0.006797
Upper Lim.	0.006908	0.0038
Lower Lim.	0.005581	0.0023

# Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.0002					
9/1/2016		<0.0002				
9/6/2016			<0.0002			
9/7/2016				<0.0002	<0.0002	<0.0002
12/7/2016	7E-05 (J)	<0.0002	<0.0002			
12/8/2016				<0.0002	<0.0002	<0.0002
3/21/2017	<0.0002					
3/22/2017		<0.0002	<0.0002	<0.0002	<0.0002	
3/23/2017						<0.0002
7/11/2017	<0.0002		<0.0002			
7/12/2017		<0.0002		<0.0002	<0.0002	<0.0002
10/18/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
10/19/2017						<0.0002
2/20/2018	<0.0002					
2/21/2018		9.7E-05 (J)	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)
7/11/2018	<0.0002					
7/12/2018		<0.0002	<0.0002			<0.0002
8/15/2018					<0.0002	
8/16/2018				<0.0002		
9/12/2018	<0.0002					
9/13/2018		<0.0002	<0.0002		<0.0002	
9/14/2018				<0.0002		<0.0002
8/26/2020	0.00015 (J)	<0.0002	<0.0002	<0.0002		0.0001 (J)
8/27/2020					<0.0002	
10/6/2020	<0.0002		<0.0002			
10/7/2020		<0.0002		<0.0002	<0.0002	<0.0002
3/3/2021	<0.0002					<0.0002
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002	
9/15/2021	<0.0002	<0.0002	<0.0002			
9/16/2021				<0.0002	<0.0002	<0.0002
1/26/2022	<0.0002	<0.0002	<0.0002			
1/27/2022				<0.0002	<0.0002	<0.0002
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mean	0.0001871	0.0001926	0.0001906	0.0001919	0.0001898	0.0001818
Std. Dev.	3.625E-05	2.753E-05	3.528E-05	3.047E-05	3.822E-05	4.754E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00015	9.7E-05	6.8E-05	8.6E-05	5.7E-05	0.0001

# Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	<0.0002			
9/1/2016				<0.0002
9/8/2016		<0.0002		
12/7/2016	9E-05 (J)			6E-05 (J)
12/8/2016		<0.0002	<0.0002	
3/21/2017	<0.0002			
3/22/2017		<0.0002		<0.0002
3/23/2017			<0.0002	
7/11/2017	<0.0002	<0.0002		
7/12/2017			<0.0002	<0.0002
10/18/2017	<0.0002	<0.0002		
10/19/2017			<0.0002	<0.0002
2/20/2018	<0.0002			
2/21/2018		5.3E-05 (J)	4.3E-05 (J)	5.3E-05 (J)
7/11/2018	<0.0002			
7/12/2018		<0.0002	<0.0002	<0.0002
9/13/2018	<0.0002	<0.0002		<0.0002
9/14/2018			4.1E-05 (J)	
10/4/2018			<0.0002	
8/26/2020	0.00017 (J)	<0.0002	0.00011 (J)	<0.0002
10/6/2020	<0.0002			
10/7/2020		<0.0002	<0.0002	<0.0002
3/3/2021	<0.0002	<0.0002		
3/4/2021			<0.0002	<0.0002
9/15/2021	<0.0002	<0.0002		
9/16/2021			<0.0002	<0.0002
1/26/2022	<0.0002	<0.0002		
1/27/2022			<0.0002	<0.0002
8/24/2022			<0.0002	
8/25/2022	<0.0002			<0.0002
10/11/2022		<0.0002		
Mean	0.00019	0.0001895	0.000171	0.0001795
Std. Dev.	2.987E-05	3.929E-05	5.965E-05	5.213E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00017	5.3E-05	0.00011	6E-05

# Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-19	PZ-23A
8/31/2016	<0.01					<0.01
9/1/2016		<0.01				
9/6/2016			<0.01			
9/7/2016				<0.01	0.0027 (J)	
12/7/2016	<0.01	<0.01	<0.01			<0.01
12/8/2016				<0.01	0.0022 (J)	
3/21/2017	0.0005 (J)					0.0006 (J)
3/22/2017		0.0004 (J)	0.0004 (J)	0.0004 (J)		
3/23/2017					0.0025 (J)	
7/11/2017	<0.01		<0.01			<0.01
7/12/2017		<0.01		<0.01	0.0022 (J)	
10/18/2017	<0.01	<0.01	<0.01	<0.01		<0.01
10/19/2017					0.0021 (J)	
2/20/2018	<0.01					<0.01
2/21/2018		<0.01	<0.01	<0.01	<0.01	
7/11/2018	<0.01					<0.01
7/12/2018		<0.01	<0.01		0.0022 (J)	
8/16/2018				<0.01		
9/12/2018	<0.01					
9/13/2018		<0.01	<0.01			<0.01
9/14/2018				<0.01	0.0023 (J)	
9/10/2019						<0.01
10/2/2019	<0.01	<0.01	<0.01	<0.01		
10/3/2019					0.0024 (X)	
3/25/2020	<0.01			<0.01		0.0011 (J)
3/26/2020		<0.01	<0.01		0.0021 (J)	
8/26/2020	<0.01	<0.01	<0.01	<0.01	0.002 (J)	<0.01
10/6/2020	<0.01		<0.01			<0.01
10/7/2020		<0.01		<0.01	0.0019 (J)	
3/3/2021	<0.01				0.0021 (J)	<0.01
3/4/2021		<0.01	<0.01	<0.01		
9/15/2021	<0.01	<0.01	<0.01			<0.01
9/16/2021				<0.01	0.0021 (J)	
1/26/2022	<0.01	<0.01	<0.01			<0.01
1/27/2022				<0.01	0.0022 (J)	
8/25/2022	<0.01	<0.01	<0.01	<0.01	0.0017 (J)	<0.01
Mean	0.009406	0.0094	0.0094	0.0094	0.002669	0.008856
Std. Dev.	0.002375	0.0024	0.0024	0.0024	0.001969	0.003127
Upper Lim.	0.01	0.01	0.01	0.01	0.0025	0.01
Lower Lim.	0.0005	0.0004	0.0004	0.0004	0.002	0.0011



# Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25
9/8/2016	<0.01
12/8/2016	<0.01
3/22/2017	0.001 (J)
7/11/2017	<0.01
10/18/2017	<0.01
2/21/2018	<0.01
7/12/2018	<0.01
9/13/2018	<0.01
10/2/2019	<0.01
3/25/2020	<0.01
8/26/2020	<0.01
10/7/2020	<0.01
3/3/2021	<0.01
9/15/2021	<0.01
1/26/2022	<0.01
8/24/2022	<0.01
Mean	0.009437
Std. Dev.	0.00225
Upper Lim.	0.01
Lower Lim.	0.001

# Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-19	PZ-23A	PZ-7D
8/31/2016	0.0012 (J)			0.0014 (J)	
9/1/2016		<0.005			<0.005
9/7/2016			<0.005		
12/7/2016	<0.005	<0.005		<0.005	<0.005
12/8/2016			<0.005		
3/21/2017	<0.005			<0.005	
3/22/2017		<0.005			<0.005
3/23/2017			<0.005		
7/11/2017	<0.005			<0.005	
7/12/2017		<0.005	<0.005		<0.005
10/18/2017	<0.005	<0.005		<0.005	
10/19/2017			<0.005		<0.005
2/20/2018	<0.005			<0.005	
2/21/2018		<0.005	<0.005		<0.005
7/11/2018	<0.005			<0.005	
7/12/2018		<0.005	<0.005		<0.005
9/12/2018	<0.005				
9/13/2018		<0.005		<0.005	<0.005
9/14/2018			0.0015 (J)		
9/10/2019				0.0018 (X)	
10/2/2019	0.0015 (X)	<0.005			
10/3/2019			0.0034 (X)		0.0017 (X)
3/25/2020	<0.005			0.003 (J)	
3/26/2020		<0.005	0.0016 (J)		<0.005
8/26/2020	<0.005	0.0018 (J)	0.0031 (J)	0.0026 (J)	0.0018 (J)
10/6/2020	<0.005			0.0027 (J)	
10/7/2020		<0.005	0.0035 (J)		<0.005
3/3/2021	<0.005		0.0033 (J)	0.0025 (J)	
3/4/2021		<0.005			0.0018 (J)
9/15/2021	<0.005	<0.005		0.0024 (J)	
9/16/2021			0.0033 (J)		<0.005
1/26/2022	<0.005	<0.005		0.0023 (J)	
1/27/2022			0.005		0.0018 (J)
8/25/2022	<0.005	<0.005	0.0019 (J)	0.0023 (J)	0.0017 (J)
Mean	0.004544	0.0048	0.00385	0.0035	0.003987
Std. Dev.	0.001248	0.0008	0.001328	0.00141	0.001551
Upper Lim.	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0015	0.0018	0.0019	0.0023	0.0018

# Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.001					
9/1/2016		<0.001				
9/6/2016			<0.001			
9/7/2016				<0.001	<0.001	<0.001
12/7/2016	<0.001	<0.001	<0.001			
12/8/2016				<0.001	<0.001	0.0003 (J)
3/21/2017	6E-05 (J)					
3/22/2017		<0.001	0.0002 (J)	<0.001	4E-05 (J)	
3/23/2017						0.0003 (J)
7/11/2017	<0.001		0.0002 (J)			
7/12/2017		<0.001		<0.001	<0.001	0.0004 (J)
10/18/2017	<0.001	<0.001	0.0002 (J)	<0.001	5E-05 (J)	
10/19/2017						0.0005 (J)
2/20/2018	<0.001					
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)
7/11/2018	<0.001					
7/12/2018		<0.001	<0.001			0.00077 (J)
8/15/2018					<0.001	
8/16/2018				<0.001		
9/12/2018	<0.001					
9/13/2018		<0.001	0.00017 (J)		<0.001	
9/14/2018				<0.001		0.00076 (J)
10/2/2019	<0.001	0.00016 (X)	5.3E-05 (X)	0.00016 (X)		
10/3/2019					<0.001	0.00071 (X)
3/25/2020	<0.001			0.0002 (J)		
3/26/2020		0.00014 (J)	<0.001		7.1E-05 (J)	0.00068 (J)
8/26/2020	<0.001	0.00027 (J)	<0.001	0.00025 (J)		0.00056 (J)
8/27/2020					<0.001	
10/6/2020	<0.001		<0.001			
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)
3/3/2021	<0.001					0.00072 (J)
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001	
9/15/2021	<0.001	0.0002 (J)	<0.001			
9/16/2021				0.00034 (J)	<0.001	0.00066 (J)
1/26/2022	<0.001	<0.001	<0.001			
1/27/2022				0.00038 (J)	<0.001	0.00063 (J)
8/25/2022	<0.001	<0.001	<0.001	0.00037 (J)	<0.001	0.00053 (J)
Mean	0.0009413	0.0007006	0.0006877	0.0006444	0.0008226	0.0006069
Std. Dev.	0.000235	0.0004001	0.0004177	0.0003726	0.0003815	0.0001843
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0007268
Lower Lim.	6E-05	0.0002	0.00018	0.00022	7.1E-05	0.0004869

# Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/21/2022 11:01 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	<0.001			
9/1/2016				<0.001
9/8/2016		<0.001		
12/7/2016	0.0002 (J)			<0.001
12/8/2016		<0.001	<0.001	
3/21/2017	0.0003 (J)			
3/22/2017		<0.001		0.0002 (J)
3/23/2017			0.0001 (J)	
7/11/2017	0.0002 (J)	<0.001		
7/12/2017			0.0001 (J)	0.0001 (J)
10/18/2017	0.0001 (J)	<0.001		
10/19/2017			0.0001 (J)	0.0001 (J)
2/20/2018	0.00026 (J)			
2/21/2018		<0.001	<0.001	<0.001
7/11/2018	0.00018 (J)			
7/12/2018		<0.001	<0.001	<0.001
9/13/2018	<0.001	<0.001		<0.001
9/14/2018			<0.001	
10/4/2018			<0.001	
9/10/2019	<0.001			
10/2/2019		0.00024 (X)		
10/3/2019			0.00018 (X)	7.8E-05 (X)
3/25/2020	0.00015 (J)	0.00037 (J)		
3/26/2020			0.00015 (J)	8.5E-05 (J)
8/26/2020	0.00016 (J)	0.00037 (J)	<0.001	<0.001
10/6/2020	<0.001			
10/7/2020		0.00027 (J)	<0.001	<0.001
3/3/2021	0.00017 (J)	0.00036 (J)		
3/4/2021			<0.001	<0.001
9/15/2021	<0.001	0.00066 (J)		
9/16/2021			<0.001	<0.001
1/26/2022	<0.001	0.00039 (J)		
1/27/2022			<0.001	<0.001
8/24/2022		0.00048 (J)	<0.001	
8/25/2022	<0.001			<0.001
Mean	0.000545	0.0006963	0.0007269	0.0007227
Std. Dev.	0.0004167	0.0003262	0.0004188	0.0004256
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00016	0.00036	0.00015	0.0001

# GROUNDWATER STATS CONSULTING

July 31, 2023

Southern Company Services  
Attn: Mr. Joju Abraham  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308-3374

Re: Plant Mitchell Ash Pond  
February 2023 Semi-Annual Statistical Analysis

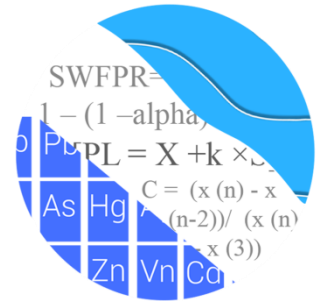
Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2023 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical analysis of groundwater data for Georgia Power Company's Plant Mitchell Ash Pond. 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 for the Appendix III parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. Semi-annual sampling of the majority of Appendix IV constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** PZ-1D, PZ-2D, PZ-31, and PZ-32
- **Downgradient wells:** PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-57



Note that well PZ-23 was abandoned and was replaced with well PZ-23A which was first sampled in March 2020. Since new well PZ-23A was installed in close proximity to well PZ-23, the data from the two wells were combined. Additionally, downgradient well PZ-57 was first sampled on January 2022 and has only been sampled three times. Data for this well were plotted on time series and box plots, and formal statistics will be conducted when a minimum of 4 samples are available for Appendix IV constituents and a minimum of 8 samples are available for Appendix III constituents.

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

The Coal Combustion Residuals (CCR) program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. Summaries of well/constituent pairs with 100% non-detects since 2016 for Appendix IV constituents follow this letter.

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).

Based on the previous screening, described below, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method 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 report to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. 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.

### **Summary of Statistical Methods – Appendix III and IV Parameters:**

Based on the March 2019 evaluation for state and federal regulatory requirements described below, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) 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 following approaches are used for handling non-detects (USEPA, 2009):

- 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. 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.

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, the earlier portion of data are deselected 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.

## **Summary of Initial Background Screening – Conducted in March 2019**

### Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. 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, several outliers were identified and the reports were submitted with the screening. In cases where the most recent value was identified as an outlier, values were not flagged in the database at that time as they may represent a future 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 a few of these values were flagged in the database as all other values were similar to remaining measurements within a given well or neighboring wells or were non-detects.

When any values are flagged in the database as outliers, they 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 Test Evaluation

While trends may be visual, 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, and the reports were submitted with the screening. 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 decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical 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 previous screening and showed one statistically significant decreasing trend for chloride at well PZ-25. This trend was relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data set.

## Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for boron and fluoride, making these constituents eligible for interwell analyses. Variation was noted for calcium, chloride, pH, sulfate and TDS. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

### **Statistical Analysis of Appendix III Parameters – February 2023 Sample Event**

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed using time series for potential outliers during this analysis. No new values were flagged as outlier and a summary of previously flagged outliers follows this report (Figure C). Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the time series graphs.

#### Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2023 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2023 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

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. The following interwell prediction limit exceedances were noted for the Appendix III parameters:

- Boron: PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-7D
- Calcium: PZ-18, PZ-19, PZ-23A, and PZ-7D
- Chloride: PZ-14, PZ-15, PZ-16, and PZ-18
- pH: PZ-18, PZ-19, PZ-23A, and PZ-7D
- Sulfate: PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-7D

- TDS: PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, and PZ-7D

### Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen’s Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report. Statistically significant trends were identified for the following downgradient and associated upgradient well/constituent pairs:

#### Increasing:

- Calcium: PZ-18, PZ-1D (upgradient), PZ-31 (upgradient), and PZ-32 (upgradient)
- Sulfate: PZ-14 and PZ-23A

#### Decreasing:

- Boron: PZ-33 and PZ-7D
- Chloride: PZ-15, PZ-16, PZ-18, and PZ-31 (upgradient)
- Sulfate: PZ-16, PZ-17, PZ-19, PZ-25, PZ-2D (upgradient), PZ-31 (upgradient), PZ-33, and PZ-7D

### **Statistical Analysis of Appendix IV Parameters – February 2023**

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient well/constituent pairs containing 100% non-detects do not require analysis. Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. No new values were flagged and a summary of previously flagged outliers follows this report (Figure C).

### Interwell Upper Tolerance Limits

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through February 2023 for each Appendix IV constituent (Figure F). Parametric limits are constructed when data follow a normal or transformed-normal distribution with a target of 95% confidence and 95% coverage.

When data contain greater than 50% non-detects or do not follow a normal or transformed-normal distribution, non-parametric tolerance limits are used.

### Groundwater Protection Standards

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

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

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

### Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents using data through February 2023 in accordance with the state requirements in each downgradient well (Figure H). As mentioned above, well/constituent pairs containing 100% non-detects did not require analysis. All downgradient wells contained 100% non-detects for beryllium; therefore, this constituent was not analyzed with confidence intervals.


The Sanitas software was used to calculate the tolerance limits and the confidence intervals. The confidence intervals were compared to the GWPS established using the Georgia EPD Rules 391-3-4-.10(6)(a). These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the highest and lowest values in

background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

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. No exceedances were identified and summaries and graphical results of the confidence intervals analyses follow this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Mitchell Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Tristan Clark  
Groundwater Analyst



Andrew Collins  
Project Manager

# 100% Non-Detects: Appendix IV Downgradient

Analysis Run 3/24/2023 2:23 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

Antimony (mg/L)

PZ-25, PZ-57

Arsenic (mg/L)

PZ-16, PZ-18, PZ-57, PZ-7D

Beryllium (mg/L)

PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57, PZ-7D

Cadmium (mg/L)

PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-25, PZ-57, PZ-7D

Chromium (mg/L)

PZ-15, PZ-17, PZ-25, PZ-57

Cobalt (mg/L)

PZ-7D

Lead (mg/L)

PZ-14, PZ-17, PZ-25, PZ-57

Lithium (mg/L)

PZ-16, PZ-33

Mercury (mg/L)

PZ-57

Molybdenum (mg/L)

PZ-18, PZ-33, PZ-7D

Selenium (mg/L)

PZ-16, PZ-17, PZ-18, PZ-25, PZ-33, PZ-57

Thallium (mg/L)

PZ-57

# Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/27/2023, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02629	n/a	2/15/2023	0.21	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02629	n/a	2/15/2023	0.19	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02629	n/a	2/16/2023	0.15	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02629	n/a	2/15/2023	0.35	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02629	n/a	2/15/2023	0.54	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02629	n/a	2/14/2023	0.13	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02629	n/a	2/15/2023	0.17	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02629	n/a	2/16/2023	0.31	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02629	n/a	2/15/2023	0.21	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	109.9	n/a	2/15/2023	164	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	109.9	n/a	2/15/2023	144	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	109.9	n/a	2/14/2023	139	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	109.9	n/a	2/15/2023	114	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-14	4.469	n/a	2/14/2023	4.5	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.469	n/a	2/15/2023	6.2	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.469	n/a	2/15/2023	6.2	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.469	n/a	2/15/2023	4.5	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-18	9.48	6.96	2/15/2023	6.73	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	2/15/2023	6.66	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	2/14/2023	6.75	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	2/15/2023	6.92	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	6.304	n/a	2/14/2023	10	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.304	n/a	2/15/2023	75.7	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.304	n/a	2/15/2023	38.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.304	n/a	2/16/2023	54.2	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.304	n/a	2/15/2023	96.6	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.304	n/a	2/15/2023	78.8	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.304	n/a	2/14/2023	35.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.304	n/a	2/15/2023	37.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.304	n/a	2/16/2023	36	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.304	n/a	2/15/2023	49.9	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	306.7	n/a	2/15/2023	329	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	306.7	n/a	2/15/2023	334	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	306.7	n/a	2/15/2023	477	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	306.7	n/a	2/15/2023	529	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	306.7	n/a	2/14/2023	414	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	306.7	n/a	2/15/2023	335	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2

# Interwell Prediction Limits - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/27/2023, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-14	0.02629	n/a	2/14/2023	0.023J	No	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-15</b>	<b>0.02629</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>0.21</b>	<b>Yes</b>	<b>68</b>	<b>-4.316</b>	<b>0.3391</b>	<b>10.29</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Boron (mg/L)	PZ-16	0.02629	n/a	2/15/2023	0.19	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02629	n/a	2/16/2023	0.15	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02629	n/a	2/15/2023	0.35	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02629	n/a	2/15/2023	0.54	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02629	n/a	2/14/2023	0.13	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02629	n/a	2/15/2023	0.17	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02629	n/a	2/16/2023	0.31	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02629	n/a	2/15/2023	0.21	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	109.9	n/a	2/14/2023	103	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	109.9	n/a	2/15/2023	98.1	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	109.9	n/a	2/15/2023	88.5	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	109.9	n/a	2/16/2023	94.1	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>109.9</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>164</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-19</b>	<b>109.9</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>144</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-23A</b>	<b>109.9</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>139</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-25	109.9	n/a	2/15/2023	86.9	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	109.9	n/a	2/16/2023	92.2	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
<b>Calcium (mg/L)</b>	<b>PZ-7D</b>	<b>109.9</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>114</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-14	4.469	n/a	2/14/2023	4.5	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.469	n/a	2/15/2023	6.2	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.469	n/a	2/15/2023	6.2	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-17	4.469	n/a	2/16/2023	3.1	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>4.469</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>4.5</b>	<b>Yes</b>	<b>68</b>	<b>1.087</b>	<b>0.2054</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-19	4.469	n/a	2/15/2023	4.1	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.469	n/a	2/14/2023	3.8	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-25	4.469	n/a	2/15/2023	1.8	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-33	4.469	n/a	2/16/2023	2.3	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	4.469	n/a	2/15/2023	4.3	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	2/14/2023	0.1ND	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	2/15/2023	0.064J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	2/15/2023	0.053J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	2/16/2023	0.077J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	2/15/2023	0.1ND	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	2/15/2023	0.086J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	2/14/2023	0.084J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	2/15/2023	0.16	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	2/16/2023	0.082J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	2/15/2023	0.05J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
pH (SU)	PZ-14	9.48	6.96	2/14/2023	7.04	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-15	9.48	6.96	2/15/2023	7.09	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-16	9.48	6.96	2/15/2023	7.1	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	2/16/2023	7.14	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-18</b>	<b>9.48</b>	<b>6.96</b>	<b>2/15/2023</b>	<b>6.73</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-19</b>	<b>9.48</b>	<b>6.96</b>	<b>2/15/2023</b>	<b>6.66</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-23A</b>	<b>9.48</b>	<b>6.96</b>	<b>2/14/2023</b>	<b>6.75</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
pH (SU)	PZ-25	9.48	6.96	2/15/2023	7.02	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	2/16/2023	7.13	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-7D</b>	<b>9.48</b>	<b>6.96</b>	<b>2/15/2023</b>	<b>6.92</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	PZ-14	6.304	n/a	2/14/2023	10	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.304	n/a	2/15/2023	75.7	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.304	n/a	2/15/2023	38.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.304	n/a	2/16/2023	54.2	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.304	n/a	2/15/2023	96.6	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.304	n/a	2/15/2023	78.8	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.304	n/a	2/14/2023	35.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.304	n/a	2/15/2023	37.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.304	n/a	2/16/2023	36	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.304	n/a	2/15/2023	49.9	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-14	306.7	n/a	2/14/2023	300	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
<b>TDS (mg/L)</b>	<b>PZ-15</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>329</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>TDS (mg/L)</b>	<b>PZ-16</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>334</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
TDS (mg/L)	PZ-17	306.7	n/a	2/16/2023	299	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
<b>TDS (mg/L)</b>	<b>PZ-18</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>477</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>TDS (mg/L)</b>	<b>PZ-19</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>529</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>TDS (mg/L)</b>	<b>PZ-23A</b>	<b>306.7</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>414</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
TDS (mg/L)	PZ-25	306.7	n/a	2/15/2023	264	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2



# Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/27/2023, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	PZ-33	306.7	n/a	2/16/2023	293	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	306.7	n/a	2/15/2023	335	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2

# Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/27/2023, 3:46 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)	PZ-33	-0.01357	-95	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D	-0.03053	-92	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	5.157	99	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)	1.861	68	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	2.432	79	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-32 (bg)	1.923	86	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15	-0.2261	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16	-0.3078	-86	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18	-0.3963	-98	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.3077	-92	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.574	91	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16	-2.492	-95	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-17	-6.421	-73	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19	-1.705	-73	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	3.597	78	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-2.402	-106	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)	-0.6054	-84	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-0.845	-99	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-12.24	-122	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D	-1.876	-65	-63	Yes	17	0	n/a	n/a	0.01	NP

# Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/27/2023, 3:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-15	-0.002262	-24	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	6	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-17	-0.01801	-54	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18	0	8	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.0175	-50	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0003079	13	63	No	17	5.882	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A	-0.003353	-36	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25	-0.005802	-56	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	-0.001099	-59	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0	9	63	No	17	29.41	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	-0.0001065	-7	-63	No	17	5.882	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>PZ-33</b>	<b>-0.01357</b>	<b>-95</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>-0.03053</b>	<b>-92</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>5.157</b>	<b>99</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-19	0.9112	16	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>PZ-1D (bg)</b>	<b>1.861</b>	<b>68</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-23A	2.216	47	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	2.169	44	63	No	17	5.882	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>2.432</b>	<b>79</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-32 (bg)</b>	<b>1.923</b>	<b>86</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-7D	1.139	23	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-14	-0.1015	-41	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-15</b>	<b>-0.2261</b>	<b>-66</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>-0.3078</b>	<b>-86</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>-0.3963</b>	<b>-98</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-1D (bg)	-0.06706	-46	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.03387	-29	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.3077</b>	<b>-92</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-32 (bg)	-0.1391	-61	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.02277	-54	-68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0	-1	-74	No	19	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)	-0.01862	-42	-68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.008875	23	68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.2315	-34	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	-0.002286	-8	-68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	0.004247	12	81	No	20	0	n/a	n/a	0.01	NP
pH (SU)	PZ-7D	0.0113	22	68	No	18	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>1.574</b>	<b>91</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-15	0.2902	8	63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>-2.492</b>	<b>-95</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-17</b>	<b>-6.421</b>	<b>-73</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-18	-0.8536	-19	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-19</b>	<b>-1.705</b>	<b>-73</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-1D (bg)	-0.02139	-10	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-23A</b>	<b>3.597</b>	<b>78</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-25</b>	<b>-2.402</b>	<b>-106</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-2D (bg)</b>	<b>-0.6054</b>	<b>-84</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.845</b>	<b>-99</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-32 (bg)	0	-12	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-33</b>	<b>-12.24</b>	<b>-122</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-7D</b>	<b>-1.876</b>	<b>-65</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
TDS (mg/L)	PZ-15	3.788	23	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-16	0.5318	5	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-18	3.261	29	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19	-5.143	-18	-63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)	2.66	31	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	4.898	49	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	4.561	20	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	-0.3587	-5	-63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	2.063	25	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D	-11.45	-63	-63	No	17	0	n/a	n/a	0.01	NP

# Upper Tolerance Limits Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/24/2023, 2:13 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg.N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0035	n/a	n/a	n/a	68	55.88	n/a	0.03056	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	60	86.67	n/a	0.04607	NP Inter(NDs)
Barium (mg/L)	n/a	0.04631	n/a	n/a	n/a	68	1.471	ln(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	52	96.15	n/a	0.06944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	52	100	n/a	0.06944	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0093	n/a	n/a	n/a	68	25	sqrt(x)	0.05	Inter
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	68	97.06	n/a	0.03056	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.611	n/a	n/a	n/a	66	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.29	n/a	n/a	n/a	72	45.83	n/a	0.02489	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	68	80.88	n/a	0.03056	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	68	79.41	n/a	0.03056	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	60	90	n/a	0.04607	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	68	77.94	n/a	0.03056	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	68	100	n/a	0.03056	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	68	91.18	n/a	0.03056	NP Inter(NDs)

<b>PLANT MITCHELL ASH POND GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.0035	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.046	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0093	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.61	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
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		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*

# Confidence Intervals - All Results (No Significant)

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/24/2023, 2:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	17	82.35	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.003	0.0018	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-7D	0.003	0.00042	0.006	No	17	82.35	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	15	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	15	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	15	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	15	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00036	0.01	No	15	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.001	0.01	No	15	73.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.00094	0.01	No	15	86.67	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-14	0.02979	0.0164	2	No	17	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	PZ-15	0.0617	0.048	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.046	0.034	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07833	0.06912	2	No	17	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.0273	0.023	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05819	0.05215	2	No	17	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.04979	0.0367	2	No	17	0	None	No	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.06915	0.04872	2	No	16	0	None	No	0.01	Param.
Barium (mg/L)	PZ-7D	0.009458	0.006747	2	No	17	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	13	84.62	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	13	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-14	0.01	0.0012	0.1	No	17	52.94	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.00087	0.1	No	17	47.06	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-18	0.005	0.00056	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.0044	0.0014	0.1	No	17	17.65	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.001981	0.0007428	0.1	No	17	29.41	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0005	0.006	No	17	70.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0006	0.006	No	17	64.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.00067	0.006	No	17	70.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.0017	0.0008	0.006	No	17	5.882	None	No	0.01	NP (normality)
Cobalt (mg/L)	PZ-33	0.005	0.0008	0.006	No	17	64.71	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.8939	0.2977	5	No	17	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.052	0.7051	5	No	17	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.8429	0.4139	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.143	0.5586	5	No	16	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	1.146	0.4551	5	No	15	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.303	0.7144	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.166	0.7139	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.153	0.7191	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	0.9927	0.5548	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.602	0.2385	5	No	17	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-14	0.11	0.056	4	No	18	61.11	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-15	0.1118	0.06926	4	No	18	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-16	0.1	0.053	4	No	18	55.56	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1225	0.05972	4	No	18	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.08	4	No	18	55.56	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.15	0.064	4	No	18	11.11	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.13	0.057	4	No	18	38.89	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-25	0.2357	0.1499	4	No	18	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.082	4	No	18	55.56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-7D	0.1	0.05	4	No	18	61.11	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	17	94.12	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	17	94.12	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	17	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	17	94.12	None	No	0.01	NP (NDs)

# Confidence Intervals - All Results (No Significant)

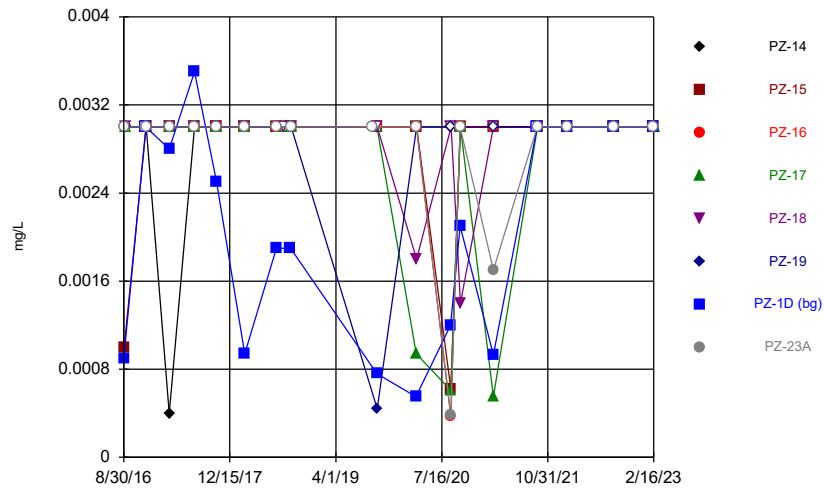
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/24/2023, 2:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	17	82.35	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	17	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	17	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	17	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.05	0.0012	0.04	No	17	29.41	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-17	0.0029	0.002	0.04	No	17	11.76	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0025	0.04	No	17	11.76	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01434	0.0106	0.04	No	17	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.001	0.04	No	17	70.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006843	0.005588	0.04	No	17	0	None	x^2	0.01	Param.
Lithium (mg/L)	PZ-7D	0.0037	0.0023	0.04	No	17	5.882	None	No	0.01	NP (normality)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.000053	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	15	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0024	0.002	0.1	No	17	5.882	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	17	88.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.001	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	17	88.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	17	94.12	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.01	0.0031	0.05	No	17	41.18	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-23A	0.01	0.0018	0.05	No	17	41.18	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-7D	0.005	0.0018	0.05	No	17	64.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	17	94.12	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.0002	0.002	No	17	64.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.00018	0.002	No	17	64.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00025	0.002	No	17	47.06	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	17	82.35	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0006651	0.0004784	0.002	No	17	5.882	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00017	0.002	No	17	47.06	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-25	0.001	0.00036	0.002	No	17	47.06	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00015	0.002	No	17	70.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-7D	0.001	0.0001	0.002	No	17	70.59	None	No	0.01	NP (NDs)

FIGURE A.

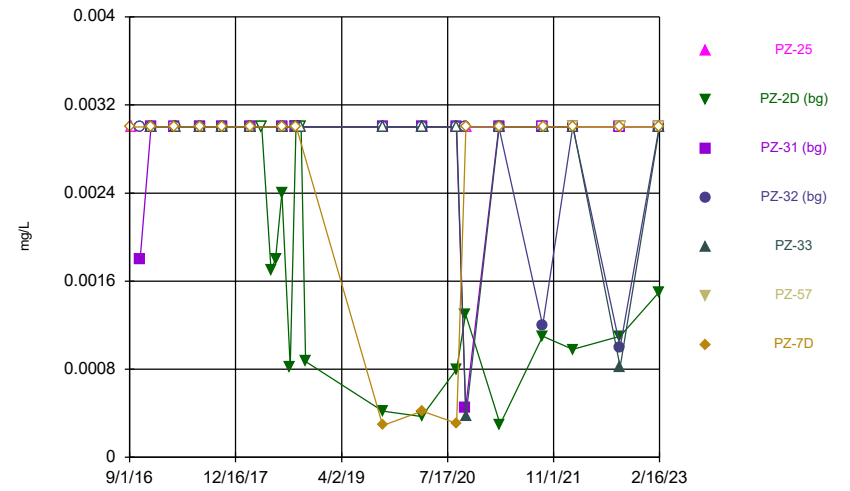


### Time Series



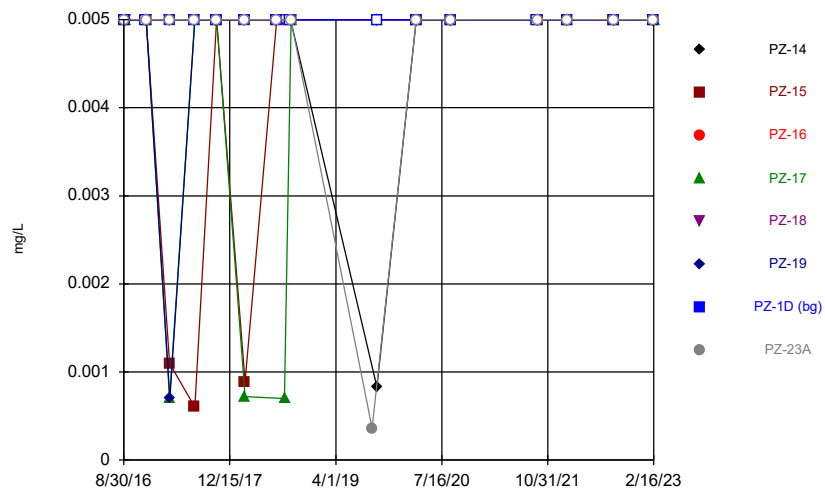
Constituent: Antimony Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



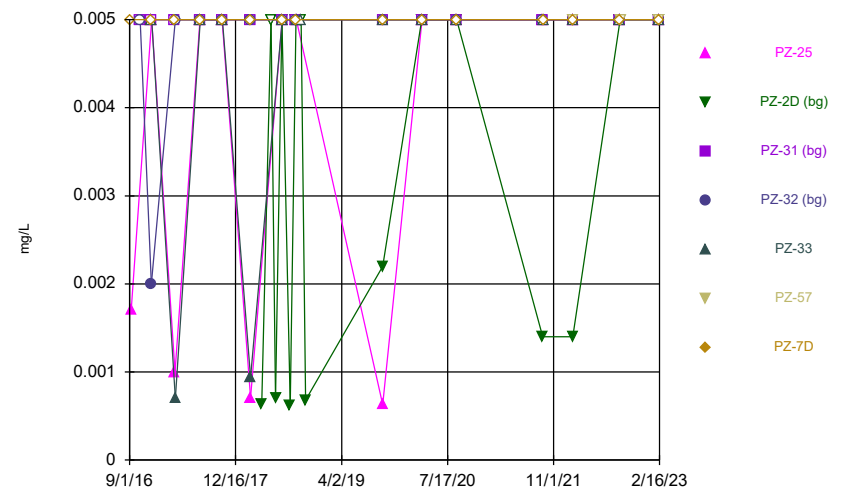
Constituent: Antimony Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



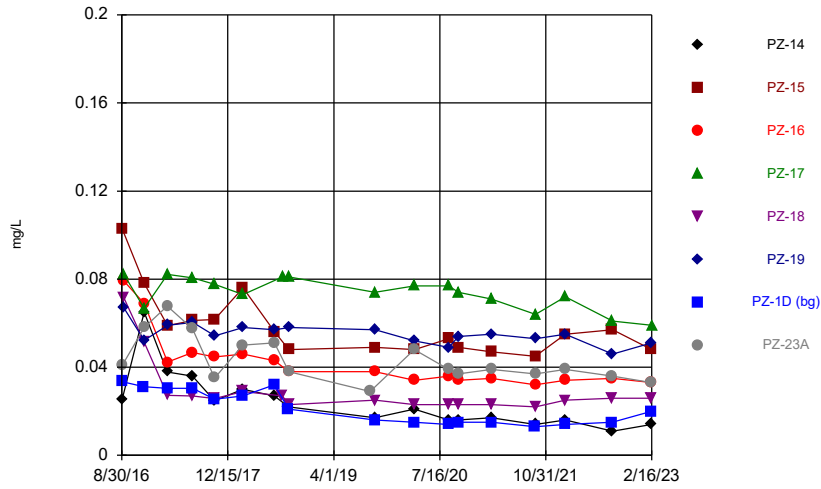
Constituent: Arsenic Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



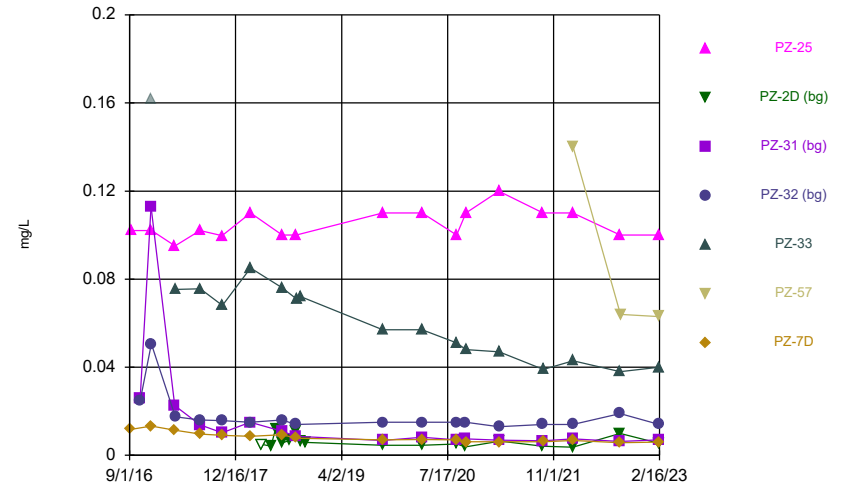
Constituent: Arsenic Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



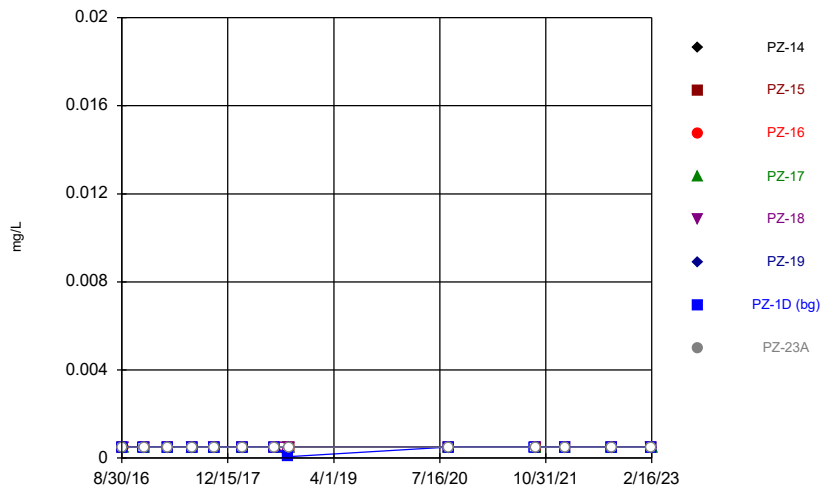
Constituent: Barium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



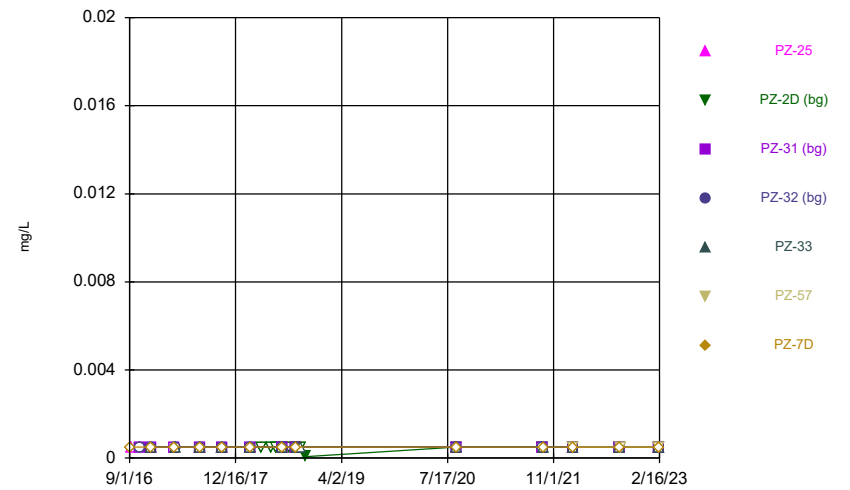
Constituent: Barium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



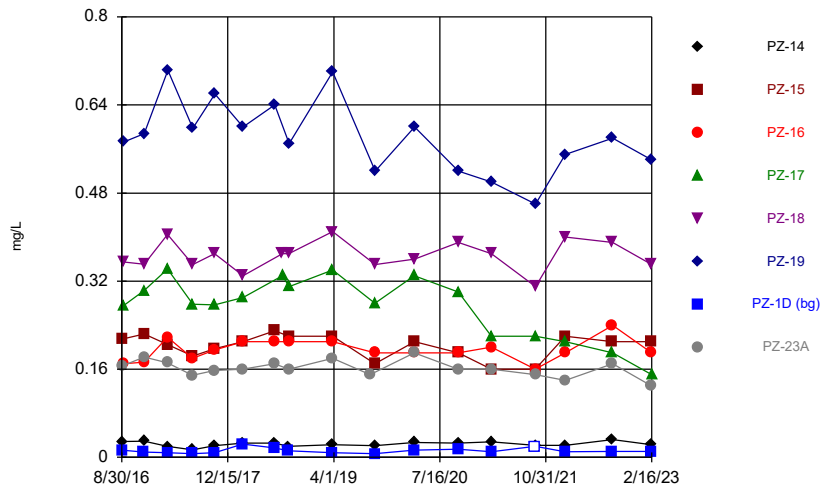
Constituent: Beryllium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



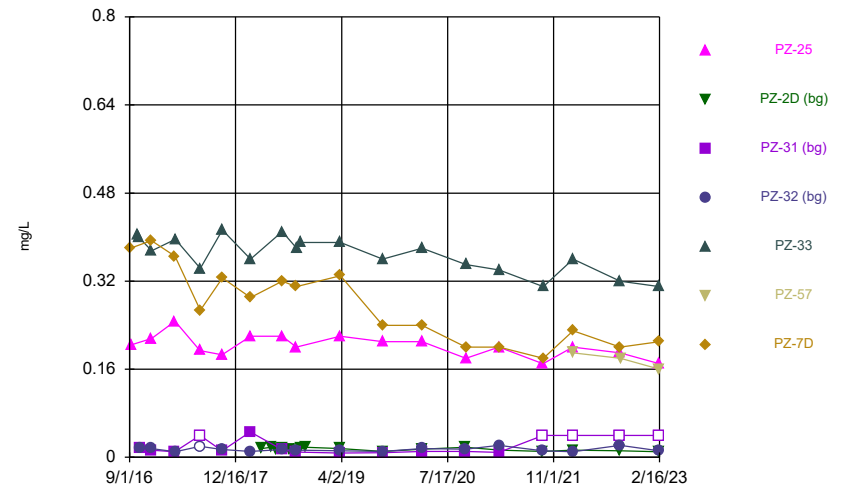
Constituent: Beryllium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



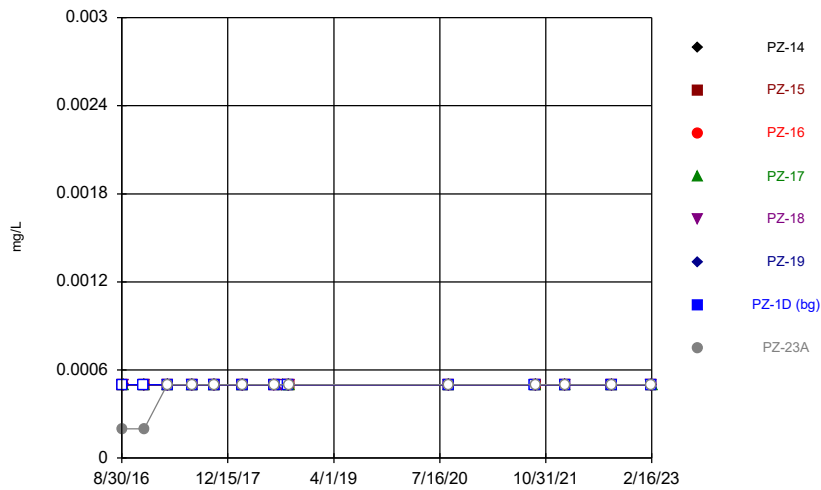
Constituent: Boron Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



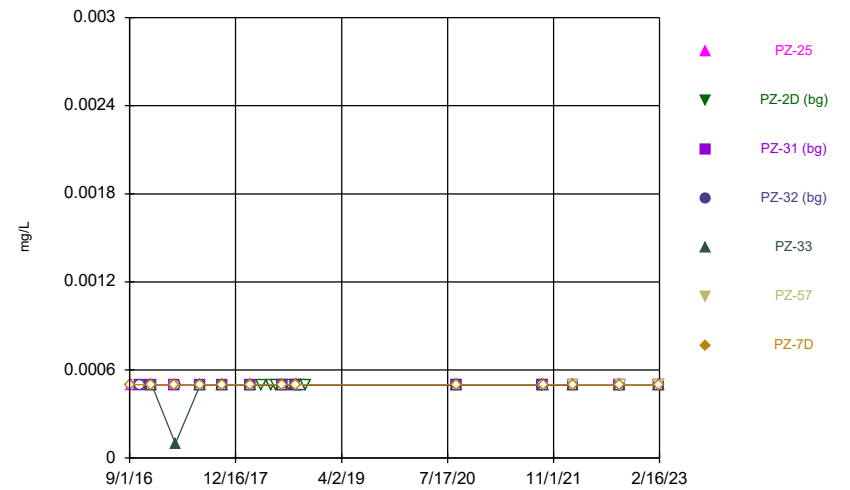
Constituent: Boron Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



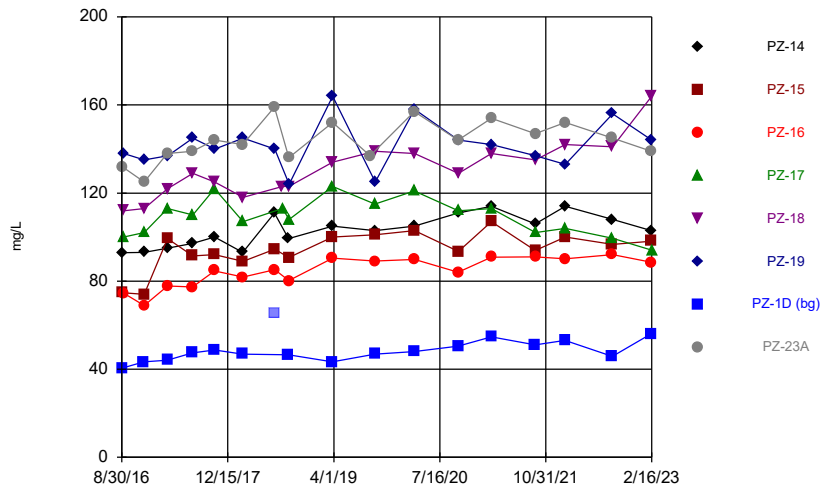
Constituent: Cadmium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



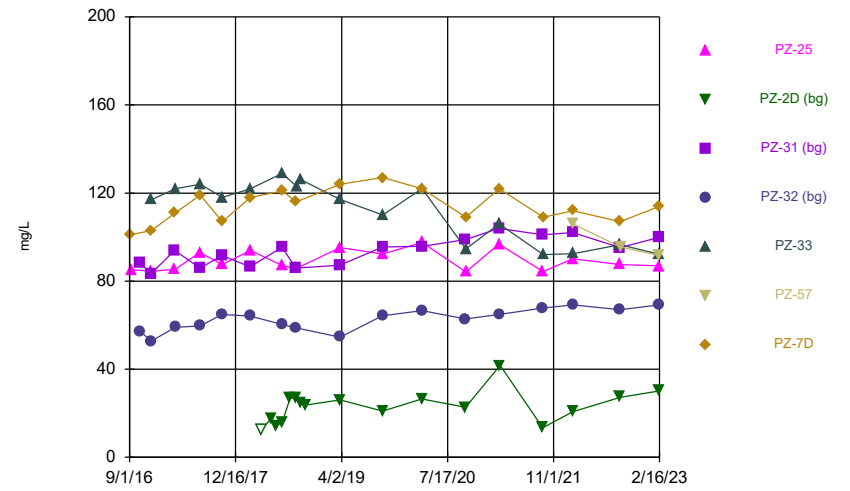
Constituent: Cadmium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



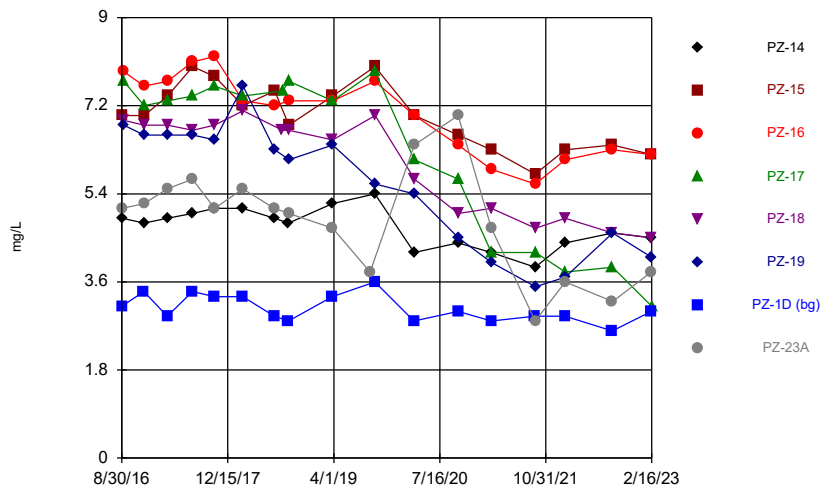
Constituent: Calcium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



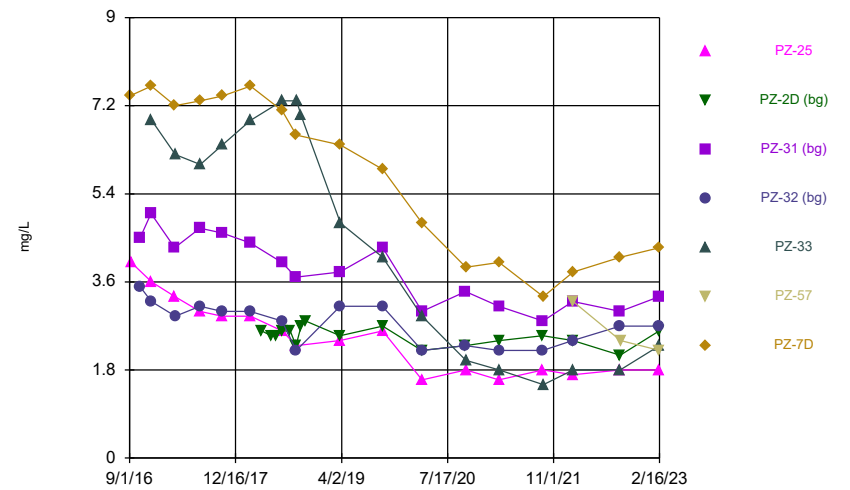
Constituent: Calcium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



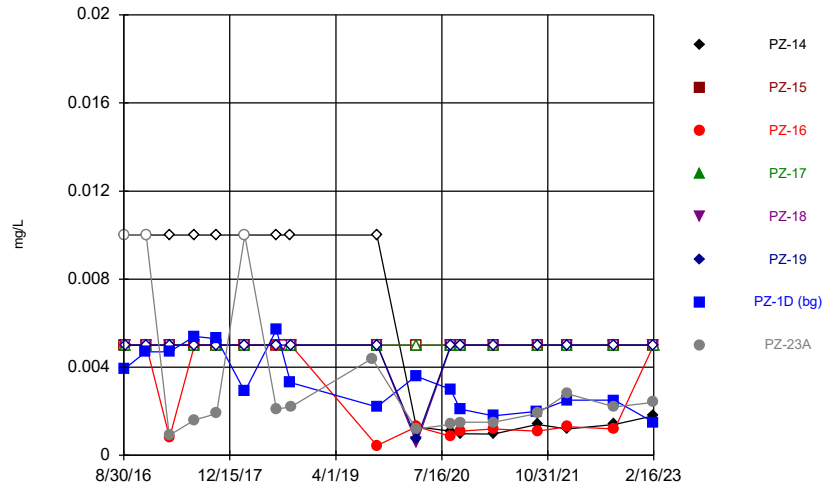
Constituent: Chloride Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



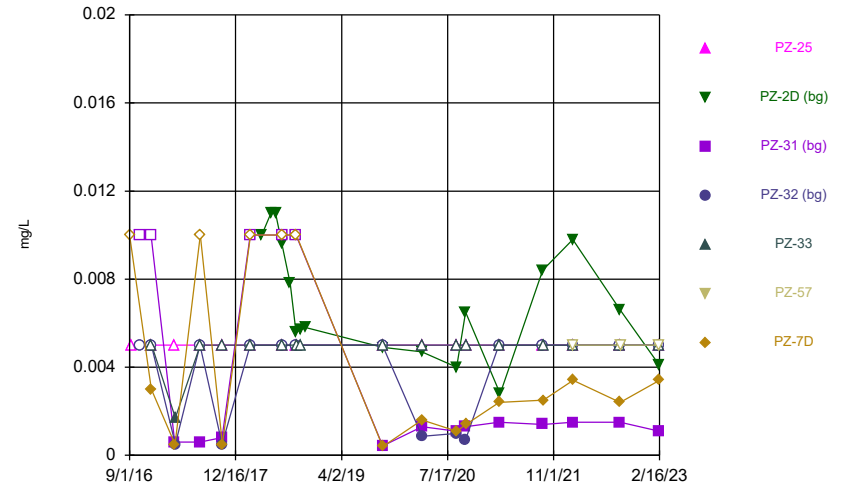
Constituent: Chloride Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



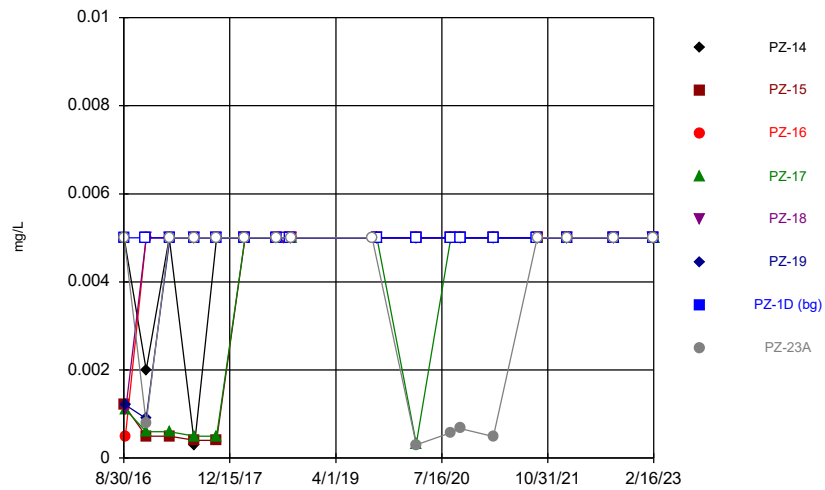
Constituent: Chromium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



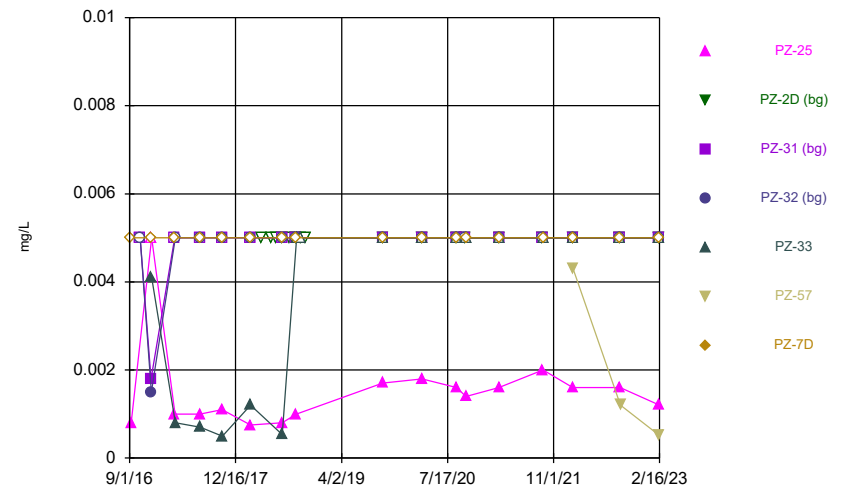
Constituent: Chromium Analysis Run 3/24/2023 1:41 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



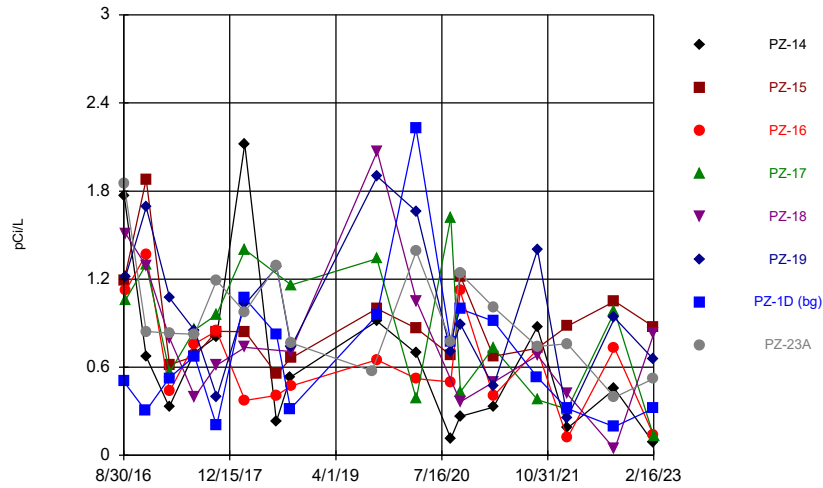
Constituent: Cobalt Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



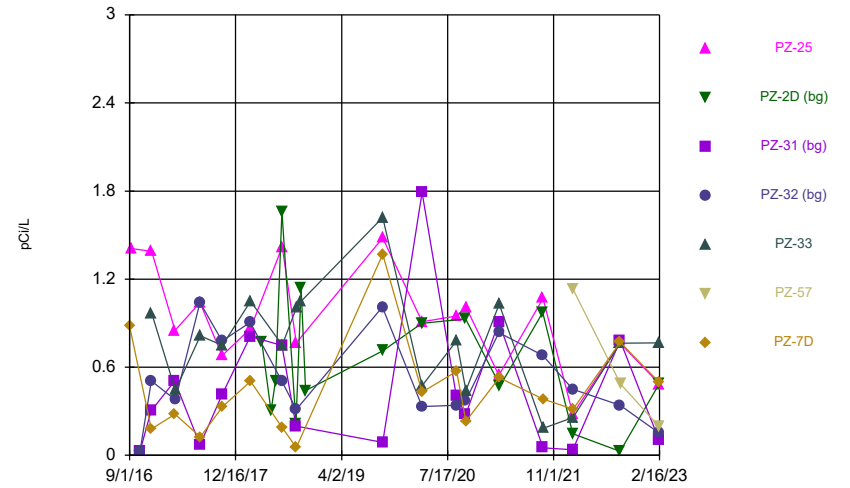
Constituent: Cobalt Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



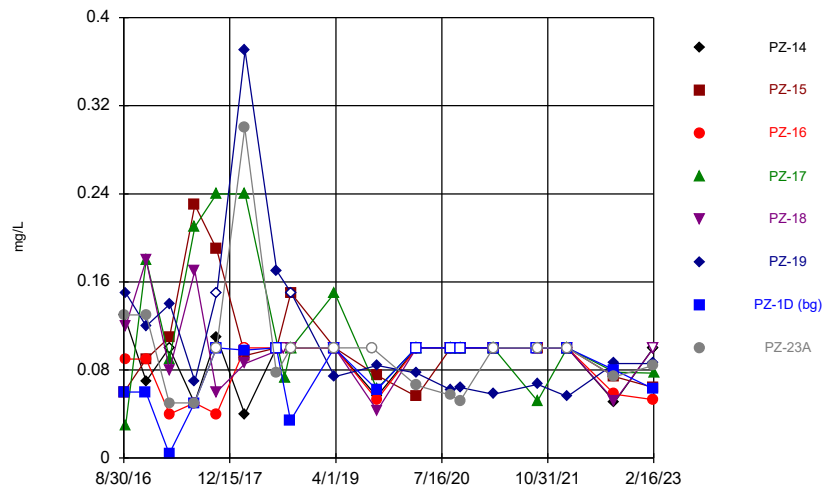
Constituent: Combined Radium 226 + 228 Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



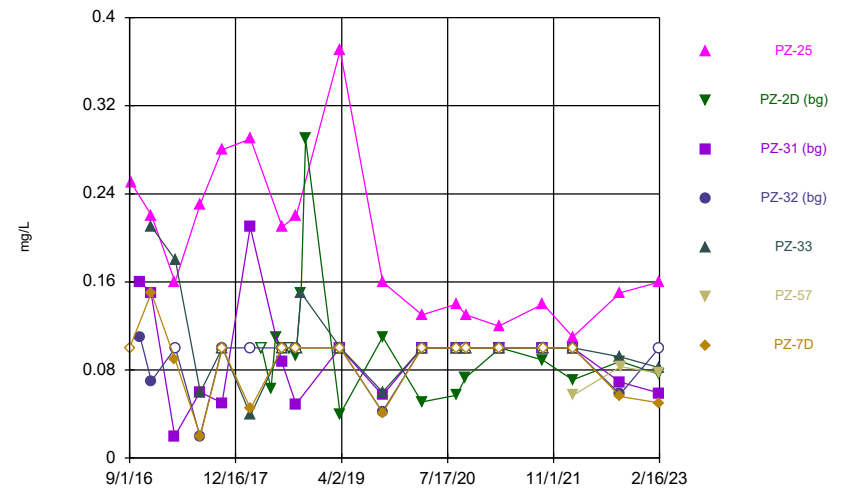
Constituent: Combined Radium 226 + 228 Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



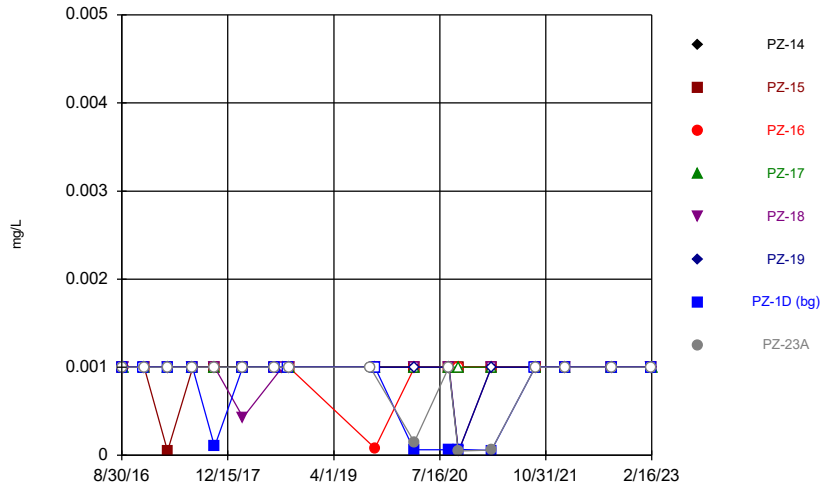
Constituent: Fluoride Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



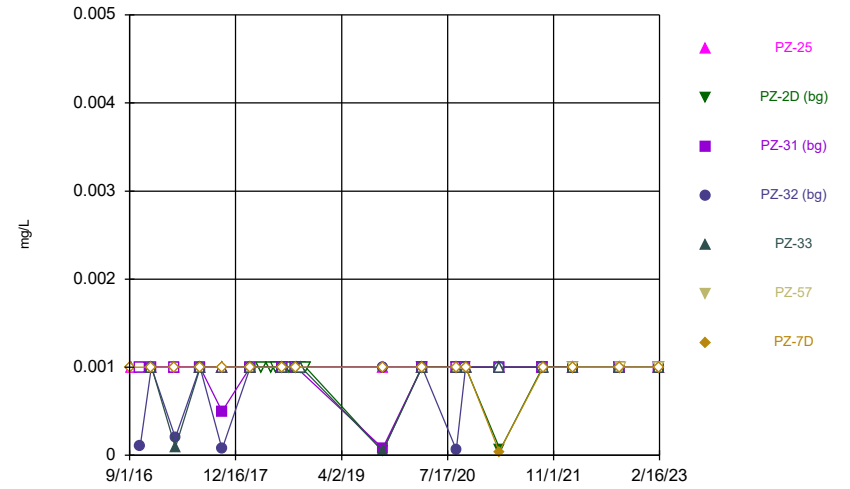
Constituent: Fluoride Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



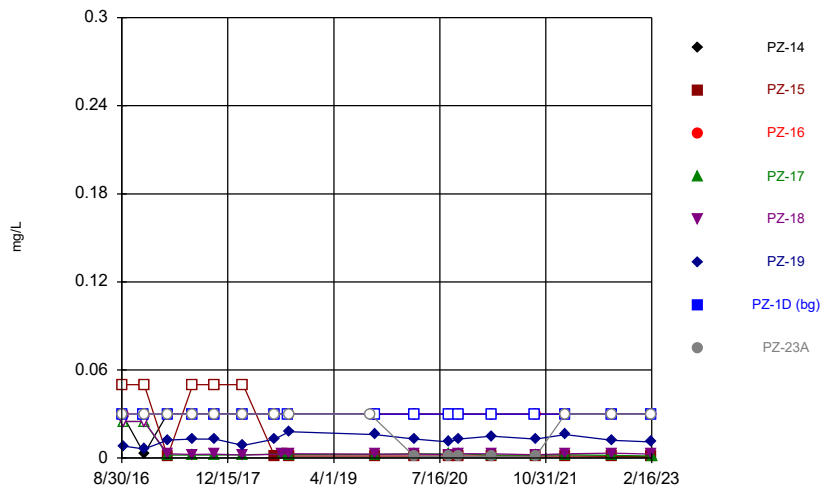
Constituent: Lead Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



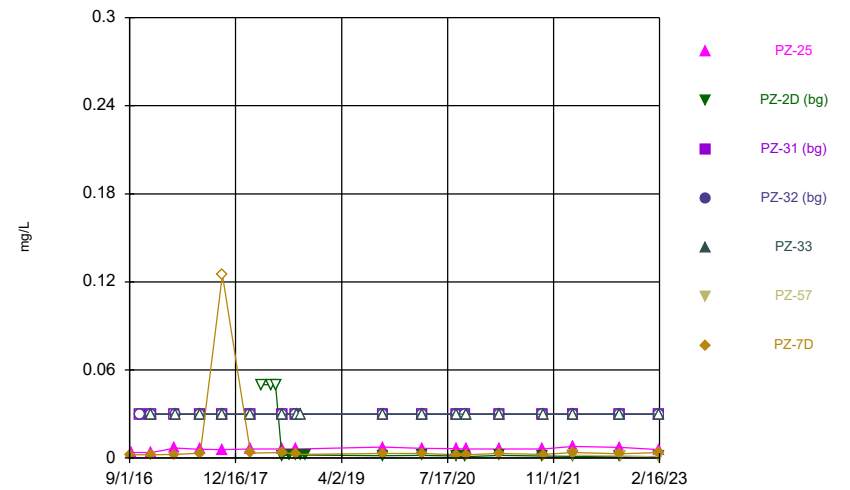
Constituent: Lead Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



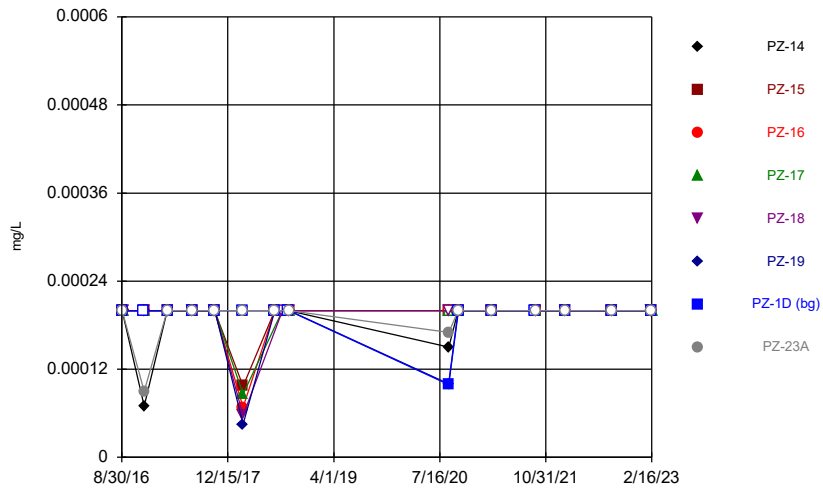
Constituent: Lithium Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



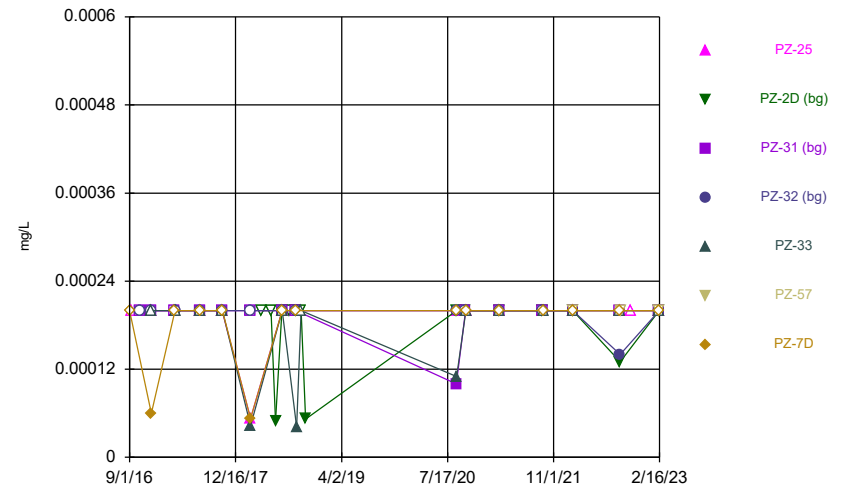
Constituent: Lithium Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



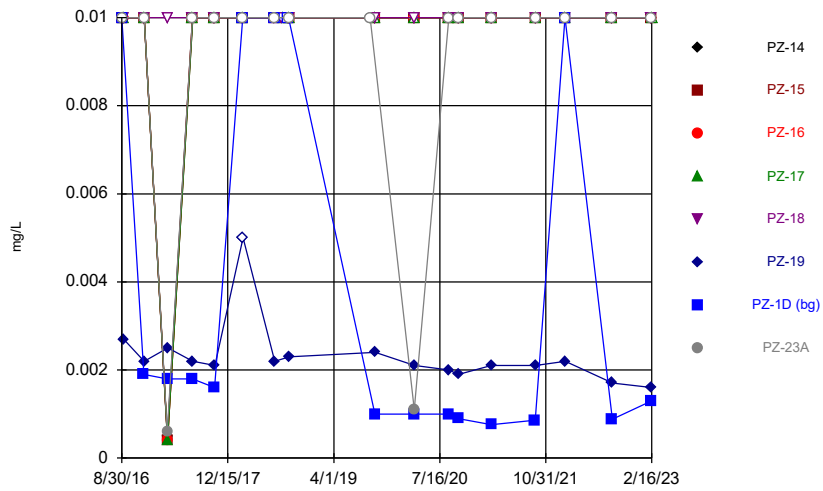
Constituent: Mercury Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



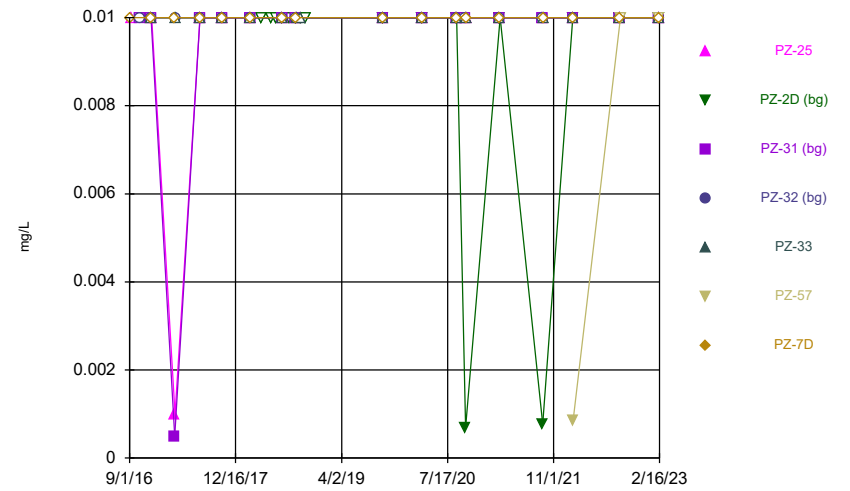
Constituent: Mercury Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Molybdenum Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

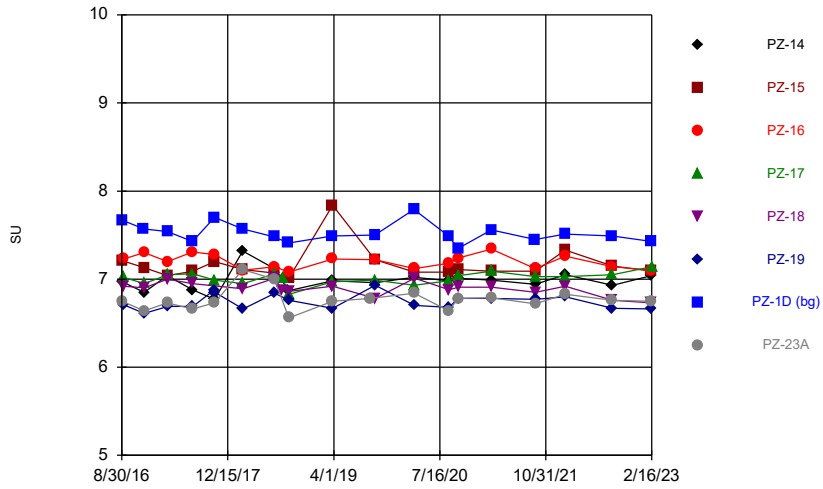
Time Series



Constituent: Molybdenum Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

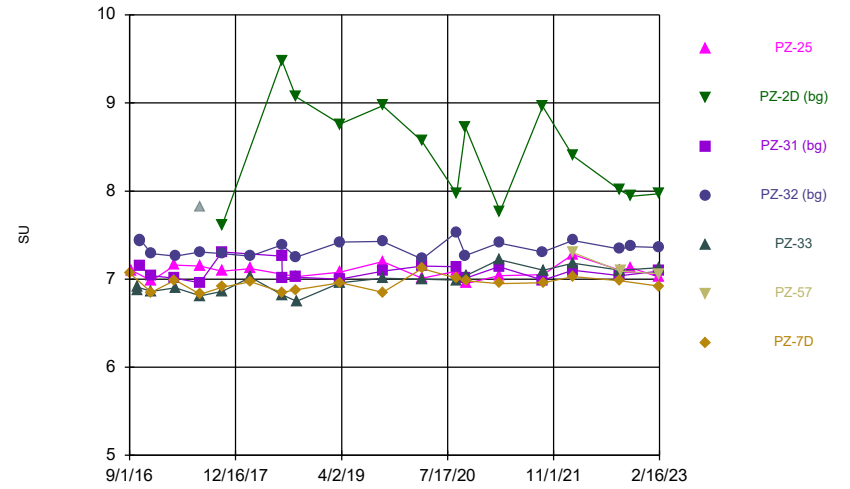


Time Series



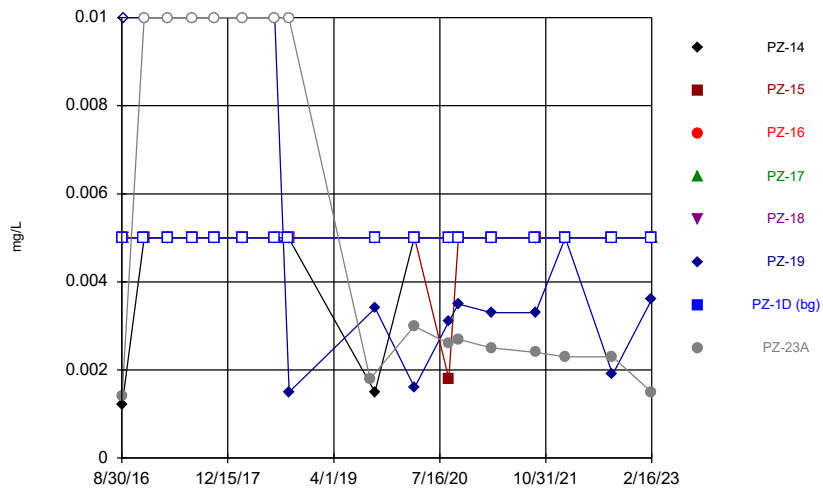
Constituent: pH Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



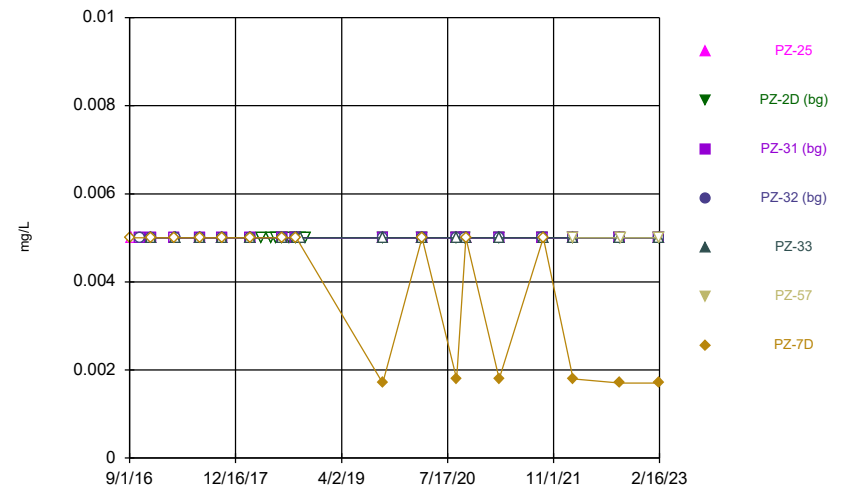
Constituent: pH Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



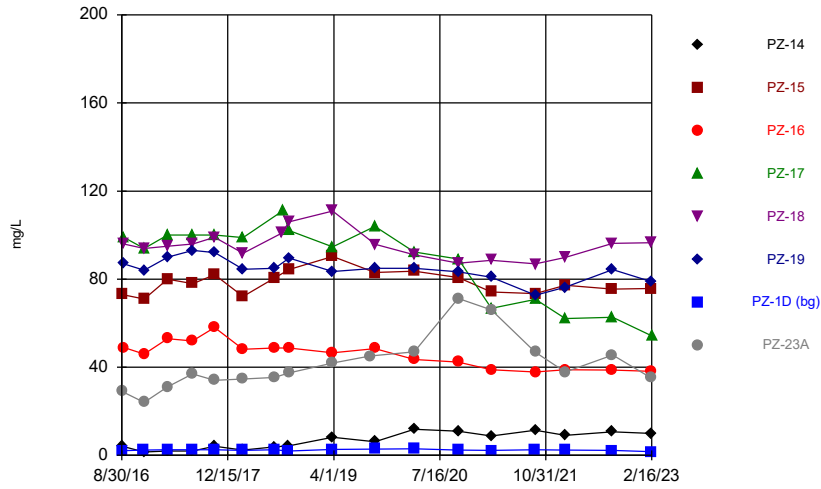
Constituent: Selenium Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



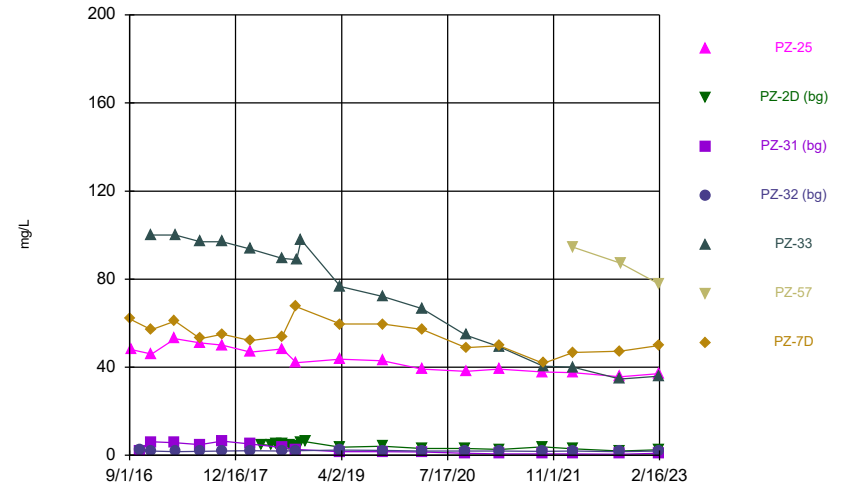
Constituent: Selenium Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



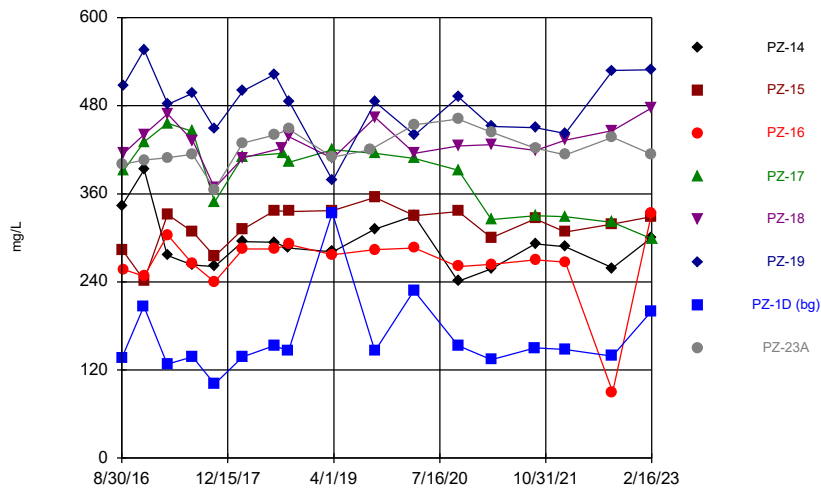
Constituent: Sulfate Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



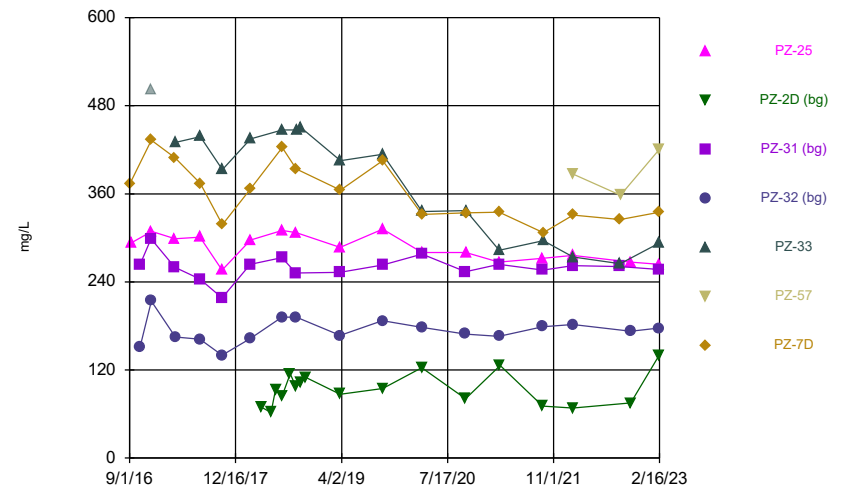
Constituent: Sulfate Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



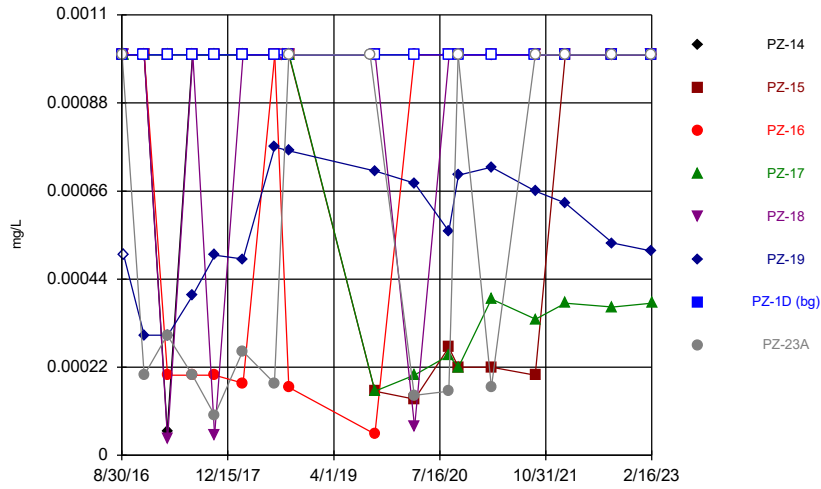
Constituent: TDS Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Time Series



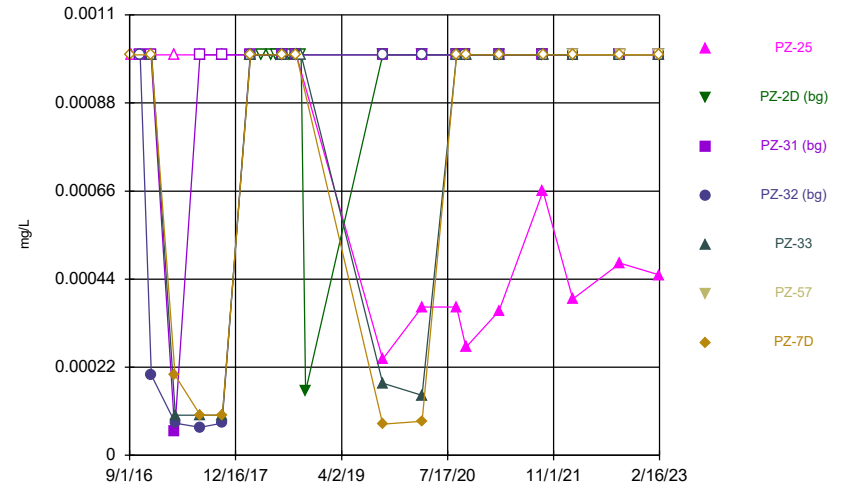
Constituent: TDS Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Thallium Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Thallium Analysis Run 3/24/2023 1:42 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0009 (J)	
8/31/2016	<0.003							<0.003
9/1/2016		0.001 (J)						
9/6/2016			<0.003					
9/7/2016				<0.003	<0.003	<0.003		
12/6/2016							<0.003	
12/7/2016	<0.003	<0.003	<0.003					<0.003
12/8/2016				<0.003	<0.003	<0.003		
3/21/2017	0.0004 (J)						0.0028 (J)	<0.003
3/22/2017		<0.003	<0.003	<0.003	<0.003			
3/23/2017						<0.003		
7/11/2017	<0.003		<0.003				0.0035	<0.003
7/12/2017		<0.003		<0.003	<0.003	<0.003		
10/17/2017							0.0025 (J)	
10/18/2017	<0.003	<0.003	<0.003	<0.003	<0.003			<0.003
10/19/2017						<0.003		
2/20/2018	<0.003						0.00094 (J)	<0.003
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003		
7/11/2018	<0.003						0.0019 (J)	<0.003
7/12/2018		<0.003	<0.003			<0.003		
8/15/2018					<0.003			
8/16/2018				<0.003				
9/12/2018	<0.003						0.0019 (J)	
9/13/2018		<0.003	<0.003		<0.003			<0.003
9/14/2018				<0.003		<0.003		
9/10/2019								<0.003
10/1/2019							0.00076 (X)	
10/2/2019	<0.003	<0.003	<0.003	<0.003				
10/3/2019					<0.003	0.00044 (X)		
3/24/2020							0.00055 (J)	
3/25/2020	<0.003			0.00094 (J)				<0.003
3/26/2020		<0.003	<0.003		0.0018 (J)	<0.003		
8/25/2020							0.0012 (J)	
8/26/2020	<0.003	0.00062 (J)	0.00037 (J)	0.00061 (J)		<0.003		0.00038 (J)
8/27/2020					<0.003			
10/6/2020	<0.003		<0.003				0.0021 (J)	<0.003
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003		
3/3/2021	<0.003					<0.003	0.00093 (J)	0.0017 (J)
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003			
9/14/2021							<0.003	
9/15/2021	<0.003	<0.003	<0.003					<0.003
9/16/2021				<0.003	<0.003	<0.003		
1/25/2022							<0.003	
1/26/2022	<0.003	<0.003	<0.003					<0.003
1/27/2022				<0.003	<0.003	<0.003		
8/24/2022							<0.003	
8/25/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003
2/14/2023	<0.003						<0.003	<0.003
2/15/2023		<0.003	<0.003		<0.003	<0.003		
2/16/2023				<0.003				

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.003
9/8/2016	<0.003						
10/18/2016			0.0018 (J)	<0.003			
12/6/2016			<0.003				
12/7/2016				<0.003			<0.003
12/8/2016	<0.003				<0.003		
3/21/2017			<0.003				
3/22/2017	<0.003						<0.003
3/23/2017				<0.003	<0.003		
7/11/2017	<0.003		<0.003	<0.003			
7/12/2017					<0.003		<0.003
10/17/2017			<0.003	<0.003			
10/18/2017	<0.003						
10/19/2017					<0.003		<0.003
2/20/2018			<0.003	<0.003			
2/21/2018	<0.003				<0.003		<0.003
4/12/2018		<0.003					
5/23/2018		0.0017 (J)					
6/13/2018		0.0018 (J)					
7/11/2018		0.0024 (J)	<0.003	<0.003			
7/12/2018	<0.003				<0.003		<0.003
8/17/2018		0.00082 (J)					
9/12/2018		<0.003	<0.003				
9/13/2018	<0.003			<0.003			<0.003
9/14/2018					<0.003		
10/4/2018		<0.003			<0.003		
10/24/2018		0.00087 (J)					
10/1/2019				<0.003			
10/2/2019	<0.003	0.00042 (X)	<0.003				
10/3/2019					<0.003		0.00029 (X)
3/24/2020		0.00037 (J)					
3/25/2020	<0.003		<0.003	<0.003			
3/26/2020					<0.003		0.00042 (J)
8/25/2020			<0.003	<0.003			
8/26/2020	<0.003	0.0008 (J)			<0.003		0.00031 (J)
10/6/2020		0.0013 (J)	0.00045 (J)	<0.003			
10/7/2020	<0.003				0.00037 (J)		<0.003
3/3/2021	<0.003		<0.003	<0.003			
3/4/2021					<0.003		<0.003
3/8/2021		0.0003 (J)					
9/14/2021		0.0011 (J)		0.0012 (J)			
9/15/2021	<0.003		<0.003				
9/16/2021					<0.003		<0.003
1/25/2022		0.00098 (J)					
1/26/2022	<0.003		<0.003	<0.003			
1/27/2022					<0.003	<0.003	<0.003
8/24/2022	<0.003	0.0011 (J)	<0.003	0.001 (J)	0.00082 (J)		
8/25/2022							<0.003
8/26/2022						<0.003	
2/14/2023		0.0015 (J)	<0.003	<0.003			
2/15/2023	<0.003						<0.003
2/16/2023					<0.003	<0.003	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	<0.005							<0.005
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.005		
12/6/2016							<0.005	
12/7/2016	<0.005	<0.005	<0.005					<0.005
12/8/2016				<0.005	<0.005	<0.005		
3/21/2017	<0.005						<0.005	<0.005
3/22/2017		0.0011 (J)	<0.005	0.0007 (J)	<0.005			
3/23/2017						0.0007 (J)		
7/11/2017	<0.005		<0.005				<0.005	<0.005
7/12/2017		0.0006 (J)		<0.005	<0.005	<0.005		
10/17/2017							<0.005	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
10/19/2017						<0.005		
2/20/2018	<0.005						<0.005	<0.005
2/21/2018		0.00089 (J)	<0.005	0.00072 (J)	<0.005	<0.005		
7/11/2018	<0.005						<0.005	<0.005
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				0.0007 (J)				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.005
9/14/2018				<0.005		<0.005		
9/10/2019								0.00036 (X)
10/1/2019							<0.005	
10/2/2019	0.00083 (X)	<0.005	<0.005	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							<0.005	
3/25/2020	<0.005			<0.005				<0.005
3/26/2020		<0.005	<0.005		<0.005	<0.005		
8/25/2020							<0.005	
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005		<0.005
8/27/2020					<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					<0.005
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					<0.005
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
2/14/2023	<0.005						<0.005	<0.005
2/15/2023		<0.005	<0.005		<0.005	<0.005		
2/16/2023				<0.005				

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.005
9/8/2016	0.0017 (J)						
10/18/2016			<0.005	<0.005			
12/6/2016			<0.005				
12/7/2016				0.002 (J)			<0.005
12/8/2016	<0.005				<0.005		
3/21/2017			<0.005				
3/22/2017	0.001 (J)						<0.005
3/23/2017				<0.005	0.0007 (J)		
7/11/2017	<0.005		<0.005	<0.005			
7/12/2017					<0.005		<0.005
10/17/2017			<0.005	<0.005			
10/18/2017	<0.005						
10/19/2017					<0.005		<0.005
2/20/2018			<0.005	<0.005			
2/21/2018	0.00071 (J)				0.00094 (J)		<0.005
4/12/2018		0.00064 (J)					
5/23/2018		<0.005					
6/13/2018		0.0007 (J)					
7/11/2018		<0.005	<0.005	<0.005			
7/12/2018	<0.005				<0.005		<0.005
8/17/2018		0.00062 (J)					
9/12/2018		<0.005	<0.005				
9/13/2018	<0.005			<0.005			<0.005
9/14/2018					<0.005		
10/4/2018		<0.005			<0.005		
10/24/2018		0.00068 (J)					
10/1/2019				<0.005			
10/2/2019	0.00063 (X)	0.0022 (X)	<0.005				
10/3/2019					<0.005		<0.005
3/24/2020		<0.005					
3/25/2020	<0.005		<0.005	<0.005			
3/26/2020					<0.005		<0.005
8/25/2020			<0.005	<0.005			
8/26/2020	<0.005	<0.005			<0.005		<0.005
9/14/2021		0.0014 (J)		<0.005			
9/15/2021	<0.005		<0.005				
9/16/2021					<0.005		<0.005
1/25/2022		0.0014 (J)					
1/26/2022	<0.005		<0.005	<0.005			
1/27/2022					<0.005	<0.005	<0.005
8/24/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
8/25/2022							<0.005
8/26/2022						<0.005	
2/14/2023		<0.005	<0.005	<0.005			
2/15/2023	<0.005						<0.005
2/16/2023					<0.005	<0.005	

# Time Series

Constituent: Barium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0335	
8/31/2016	0.0253							0.0407
9/1/2016		0.103						
9/6/2016			0.0794					
9/7/2016				0.0823	0.0717	0.067		
12/6/2016							0.0311	
12/7/2016	0.065	0.0781	0.0689					0.0581
12/8/2016				0.0668	0.0513	0.0522		
3/21/2017	0.0379						0.0305	0.0678
3/22/2017		0.0589	0.0423	0.0821	0.0273			
3/23/2017						0.0591		
7/11/2017	0.036		0.0467				0.0305	0.0574
7/12/2017		0.0613		0.0805	0.0269	0.0604		
10/17/2017							0.0255	
10/18/2017	0.0247	0.0617	0.0446	0.0776	0.0258			0.0351
10/19/2017						0.0542		
2/20/2018	0.03						0.027	0.05
2/21/2018		0.076	0.046	0.073	0.029	0.058		
7/11/2018	0.027						0.032	0.051
7/12/2018		0.056	0.043			0.057		
8/15/2018					0.027			
8/16/2018				0.081				
9/12/2018	0.022						0.021	
9/13/2018		0.048	0.038		0.023			0.038
9/14/2018				0.081		0.058		
9/10/2019								0.029
10/1/2019							0.016	
10/2/2019	0.017	0.049	0.038	0.074				
10/3/2019					0.025	0.057		
3/24/2020							0.015	
3/25/2020	0.021			0.077				0.048
3/26/2020		0.048	0.034		0.023	0.052		
8/25/2020							0.014	
8/26/2020	0.016	0.053	0.036	0.077		0.049		0.039
8/27/2020					0.023			
10/6/2020	0.016		0.034				0.015	0.037
10/7/2020		0.049		0.074	0.023	0.054		
3/3/2021	0.017					0.055	0.015	0.039
3/4/2021		0.047	0.035	0.071	0.023			
9/14/2021							0.013	
9/15/2021	0.014	0.045	0.032					0.037
9/16/2021				0.064	0.022	0.053		
1/25/2022							0.014	
1/26/2022	0.016	0.055	0.034					0.039
1/27/2022				0.072	0.025	0.055		
8/24/2022							0.015	
8/25/2022	0.011	0.057	0.035	0.061	0.026	0.046		0.036
2/14/2023	0.014						0.02	0.033
2/15/2023		0.048	0.033		0.026	0.051		
2/16/2023				0.059				



# Time Series

Constituent: Barium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.0117
9/8/2016	0.102						
10/18/2016			0.0257	0.0248			
12/6/2016			0.113				
12/7/2016				0.0506			0.0133
12/8/2016	0.102				0.162 (o)		
3/21/2017			0.0226				
3/22/2017	0.0951						0.0114
3/23/2017				0.0175	0.0753		
7/11/2017	0.102		0.0139	0.0161			
7/12/2017					0.0756		0.0097 (J)
10/17/2017			0.0103	0.0158			
10/18/2017	0.0997						
10/19/2017					0.0681		0.0091 (J)
2/20/2018			0.015	0.015			
2/21/2018	0.11				0.085		0.0086 (J)
4/12/2018		<0.01					
5/23/2018		0.0042 (J)					
6/13/2018		0.012					
7/11/2018		0.0056 (J)	0.011	0.016			
7/12/2018	0.1				0.076		0.0093 (J)
8/17/2018		0.0069 (J)					
9/12/2018		0.011	0.0087 (J)				
9/13/2018	0.1			0.014			0.0078 (J)
9/14/2018					0.071		
10/4/2018		0.0066 (J)			0.072		
10/24/2018		0.0059 (J)					
10/1/2019				0.015			
10/2/2019	0.11	0.0046 (X)	0.0067 (X)				
10/3/2019					0.057		0.007 (X)
3/24/2020		0.0046 (J)					
3/25/2020	0.11		0.0082 (J)	0.015			
3/26/2020					0.057		0.0072 (J)
8/25/2020			0.0071 (J)	0.015			
8/26/2020	0.1	0.0051 (J)			0.051		0.007 (J)
10/6/2020		0.0039 (J)	0.0075 (J)	0.015			
10/7/2020	0.11				0.048		0.0061 (J)
3/3/2021	0.12		0.0069	0.013			
3/4/2021					0.047		0.0061
3/8/2021		0.0065					
9/14/2021		0.0041 (J)		0.014			
9/15/2021	0.11		0.0066				
9/16/2021					0.039		0.0062
1/25/2022		0.0037 (J)					
1/26/2022	0.11		0.0075	0.014			
1/27/2022					0.043	0.14	0.0068
8/24/2022	0.1	0.01	0.0063	0.019	0.038		
8/25/2022							0.0058
8/26/2022						0.064	
2/14/2023		0.0055	0.0071	0.014			
2/15/2023	0.1						0.006
2/16/2023					0.04	0.063	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0005	
8/31/2016	<0.0005							<0.0005
9/1/2016		<0.0005						
9/6/2016			<0.0005					
9/7/2016				<0.0005	<0.0005	<0.0005		
12/6/2016							<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005					<0.0005
12/8/2016				<0.0005	<0.0005	<0.0005		
3/21/2017	<0.0005						<0.0005	<0.0005
3/22/2017		<0.0005	<0.0005	<0.0005	<0.0005			
3/23/2017						<0.0005		
7/11/2017	<0.0005		<0.0005				<0.0005	<0.0005
7/12/2017		<0.0005		<0.0005	<0.0005	<0.0005		
10/17/2017							<0.0005	
10/18/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
10/19/2017						<0.0005		
2/20/2018	<0.0005						<0.0005	<0.0005
2/21/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
7/11/2018	<0.0005						<0.0005	<0.0005
7/12/2018		<0.0005	<0.0005			<0.0005		
8/15/2018					<0.0005			
8/16/2018				<0.0005				
9/12/2018	<0.0005						6.1E-05 (J)	
9/13/2018		<0.0005	<0.0005		<0.0005			<0.0005
9/14/2018				<0.0005		<0.0005		
8/25/2020							<0.0005	
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
8/27/2020					<0.0005			
9/14/2021							<0.0005	
9/15/2021	<0.0005	<0.0005	<0.0005					<0.0005
9/16/2021				<0.0005	<0.0005	<0.0005		
1/25/2022							<0.0005	
1/26/2022	<0.0005	<0.0005	<0.0005					<0.0005
1/27/2022				<0.0005	<0.0005	<0.0005		
8/24/2022							<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
2/14/2023	<0.0005						<0.0005	<0.0005
2/15/2023		<0.0005	<0.0005		<0.0005	<0.0005		
2/16/2023				<0.0005				

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.0005
9/8/2016	<0.0005						
10/18/2016			<0.0005	<0.0005			
12/6/2016			<0.0005				
12/7/2016				<0.0005			<0.0005
12/8/2016	<0.0005				<0.0005		
3/21/2017			<0.0005				
3/22/2017	<0.0005						<0.0005
3/23/2017				<0.0005	<0.0005		
7/11/2017	<0.0005		<0.0005	<0.0005			
7/12/2017					<0.0005		<0.0005
10/17/2017			<0.0005	<0.0005			
10/18/2017	<0.0005						
10/19/2017					<0.0005		<0.0005
2/20/2018			<0.0005	<0.0005			
2/21/2018	<0.0005				<0.0005		<0.0005
4/12/2018		<0.0005					
5/23/2018		<0.0005					
6/13/2018		<0.0005					
7/11/2018		<0.0005	<0.0005	<0.0005			
7/12/2018	<0.0005				<0.0005		<0.0005
8/17/2018		<0.0005					
9/12/2018		<0.0005	<0.0005				
9/13/2018	<0.0005			<0.0005			<0.0005
9/14/2018					<0.0005		
10/4/2018		<0.0005			<0.0005		
10/24/2018		6E-05 (J)					
8/25/2020			<0.0005	<0.0005			
8/26/2020	<0.0005	<0.0005			<0.0005		<0.0005
9/14/2021		<0.0005		<0.0005			
9/15/2021	<0.0005		<0.0005				
9/16/2021					<0.0005		<0.0005
1/25/2022		<0.0005					
1/26/2022	<0.0005		<0.0005	<0.0005			
1/27/2022					<0.0005	<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/25/2022							<0.0005
8/26/2022						<0.0005	
2/14/2023		<0.0005	<0.0005	<0.0005			
2/15/2023	<0.0005						<0.0005
2/16/2023					<0.0005	<0.0005	

# Time Series

Constituent: Boron (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0132 (J)	
8/31/2016	0.0285 (J)							0.166
9/1/2016		0.215						
9/6/2016			0.17					
9/7/2016				0.276	0.355	0.573		
12/6/2016							0.0096 (J)	
12/7/2016	0.0292 (J)	0.224	0.173					0.182
12/8/2016				0.303	0.351	0.588		
3/21/2017	0.0198 (J)						0.0082 (J)	0.172
3/22/2017		0.205	0.218	0.342	0.405			
3/23/2017						0.703		
7/11/2017	0.0137 (J)		0.18				0.0067 (J)	0.149
7/12/2017		0.184		0.278	0.35	0.598		
10/17/2017							0.0083 (J)	
10/18/2017	0.0212 (J)	0.197	0.195	0.277	0.37			0.158
10/19/2017						0.66		
2/20/2018	0.026 (J)						0.024 (J)	0.16
2/21/2018		0.21	0.21	0.29	0.33	0.6		
7/11/2018	0.026 (J)						0.017 (J)	0.17
7/12/2018		0.23	0.21			0.64		
8/15/2018					0.37			
8/16/2018				0.33				
9/12/2018	0.02 (J)						0.012 (J)	
9/13/2018		0.22	0.21		0.37			0.16
9/14/2018				0.31		0.57		
3/26/2019							0.0082	
3/27/2019	0.023		0.21		0.41			0.18
3/28/2019		0.22		0.34		0.7		
9/10/2019								0.15
10/1/2019							0.0064 (X)	
10/2/2019	0.021 (X)	0.17	0.19	0.28				
10/3/2019					0.35	0.52		
3/24/2020							0.013 (J)	
3/25/2020	0.027 (J)			0.33				0.19
3/26/2020		0.21	0.19		0.36	0.6		
10/6/2020	0.026 (J)		0.19				0.015 (J)	0.16
10/7/2020		0.19		0.3	0.39	0.52		
3/3/2021	0.028 (J)					0.5	0.01 (J)	0.16
3/4/2021		0.16	0.2	0.22	0.37			
9/14/2021							<0.04	
9/15/2021	0.022 (J)	0.16	0.16					0.15
9/16/2021				0.22	0.31	0.46		
1/25/2022							0.01 (J)	
1/26/2022	0.022 (J)	0.22	0.19					0.14
1/27/2022				0.21	0.4	0.55		
8/24/2022							0.011 (J)	
8/25/2022	0.032 (J)	0.21	0.24	0.19 (J)	0.39	0.58		0.17 (J)
2/14/2023	0.023 (J)						0.011 (J)	0.13
2/15/2023		0.21	0.19		0.35	0.54		
2/16/2023				0.15				

# Time Series

Constituent: Boron (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.379
9/8/2016	0.204						
10/5/2016					0.404		
10/10/2016					0.401		
10/18/2016			0.0174 (J)	0.0156 (J)			
12/6/2016			0.0133 (J)				
12/7/2016				0.0157 (J)			0.394
12/8/2016	0.216				0.375		
3/21/2017			0.0103 (J)				
3/22/2017	0.247						0.365
3/23/2017				0.0103 (J)	0.396		
7/11/2017	0.194		<0.04	<0.04			
7/12/2017					0.343		0.267
10/17/2017			0.0116 (J)	0.0142 (J)			
10/18/2017	0.186						
10/19/2017					0.413		0.326
2/20/2018			0.046 (J)	0.011 (J)			
2/21/2018	0.22				0.36		0.29
4/12/2018		0.016 (J)					
5/23/2018		0.018 (J)					
6/13/2018		0.014 (J)					
7/11/2018		0.017 (J)	0.014 (J)	0.014 (J)			
7/12/2018	0.22				0.41		0.32
8/17/2018		0.015 (J)					
9/12/2018		0.013 (J)	0.0098 (J)				
9/13/2018	0.2			0.013 (J)			0.31
9/14/2018					0.38		
10/4/2018		0.016 (J)			0.39		
10/24/2018		0.018 (J)					
3/26/2019			0.0076				
3/27/2019	0.22	0.016		0.012			
3/28/2019					0.39		0.33
10/1/2019				0.011 (X)			
10/2/2019	0.21	0.011 (X)	0.0084 (X)				
10/3/2019					0.36		0.24
3/24/2020		0.015 (J)					
3/25/2020	0.21		0.011 (J)	0.016 (J)			
3/26/2020					0.38		0.24
10/6/2020		0.018 (J)	0.011 (J)	0.015 (J)			
10/7/2020	0.18				0.35		0.2
3/3/2021	0.2		0.0087 (J)	0.022 (J)			
3/4/2021					0.34		0.2
3/8/2021		0.013 (J)					
9/14/2021		0.011 (J)		0.012 (J)			
9/15/2021	0.17		<0.04				
9/16/2021					0.31		0.18
1/25/2022		0.013 (J)					
1/26/2022	0.2		<0.04	0.01 (J)			
1/27/2022					0.36	0.19	0.23
8/24/2022	0.19	0.012 (J)	<0.04	0.022 (J)	0.32		
8/25/2022							0.2
8/26/2022						0.18	

# Time Series

Constituent: Boron (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/14/2023		0.01 (J)	<0.04	0.012 (J)			
2/15/2023	0.17						0.21
2/16/2023					0.31	0.16	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0005	
8/31/2016	<0.0005							0.0002 (J)
9/1/2016		<0.0005						
9/6/2016			<0.0005					
9/7/2016				<0.0005	<0.0005	<0.0005		
12/6/2016							<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005					0.0002 (J)
12/8/2016				<0.0005	<0.0005	<0.0005		
3/21/2017	<0.0005						<0.0005	<0.0005
3/22/2017		<0.0005	<0.0005	<0.0005	<0.0005			
3/23/2017						<0.0005		
7/11/2017	<0.0005		<0.0005				<0.0005	<0.0005
7/12/2017		<0.0005		<0.0005	<0.0005	<0.0005		
10/17/2017							<0.0005	
10/18/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
10/19/2017						<0.0005		
2/20/2018	<0.0005						<0.0005	<0.0005
2/21/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
7/11/2018	<0.0005						<0.0005	<0.0005
7/12/2018		<0.0005	<0.0005				<0.0005	
8/15/2018					<0.0005			
8/16/2018				<0.0005				
9/12/2018	<0.0005						<0.0005	
9/13/2018		<0.0005	<0.0005		<0.0005			<0.0005
9/14/2018				<0.0005		<0.0005		
8/25/2020							<0.0005	
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
8/27/2020					<0.0005			
9/14/2021							<0.0005	
9/15/2021	<0.0005	<0.0005	<0.0005					<0.0005
9/16/2021				<0.0005	<0.0005	<0.0005		
1/25/2022							<0.0005	
1/26/2022	<0.0005	<0.0005	<0.0005					<0.0005
1/27/2022				<0.0005	<0.0005	<0.0005		
8/24/2022							<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
2/14/2023	<0.0005						<0.0005	<0.0005
2/15/2023		<0.0005	<0.0005		<0.0005	<0.0005		
2/16/2023				<0.0005				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.0005
9/8/2016	<0.0005						
10/18/2016			<0.0005	<0.0005			
12/6/2016			<0.0005				
12/7/2016				<0.0005			<0.0005
12/8/2016	<0.0005				<0.0005		
3/21/2017			<0.0005				
3/22/2017	<0.0005						<0.0005
3/23/2017				<0.0005	0.0001 (J)		
7/11/2017	<0.0005		<0.0005	<0.0005			
7/12/2017					<0.0005		<0.0005
10/17/2017			<0.0005	<0.0005			
10/18/2017	<0.0005						
10/19/2017					<0.0005		<0.0005
2/20/2018			<0.0005	<0.0005			
2/21/2018	<0.0005				<0.0005		<0.0005
4/12/2018		<0.0005					
5/23/2018		<0.0005					
6/13/2018		<0.0005					
7/11/2018		<0.0005	<0.0005	<0.0005			
7/12/2018	<0.0005				<0.0005		<0.0005
8/17/2018		<0.0005					
9/12/2018		<0.0005	<0.0005				
9/13/2018	<0.0005			<0.0005			<0.0005
9/14/2018					<0.0005		
10/4/2018		<0.0005			<0.0005		
10/24/2018		<0.0005					
8/25/2020			<0.0005	<0.0005			
8/26/2020	<0.0005	<0.0005			<0.0005		<0.0005
9/14/2021		<0.0005		<0.0005			
9/15/2021	<0.0005		<0.0005				
9/16/2021					<0.0005		<0.0005
1/25/2022		<0.0005					
1/26/2022	<0.0005		<0.0005	<0.0005			
1/27/2022					<0.0005	<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/25/2022							<0.0005
8/26/2022						<0.0005	
2/14/2023		<0.0005	<0.0005	<0.0005			
2/15/2023	<0.0005						<0.0005
2/16/2023					<0.0005	<0.0005	



# Time Series

Constituent: Calcium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							40.4	
8/31/2016	92.9							132
9/1/2016		74.8						
9/6/2016			74.6					
9/7/2016				100	112	138		
12/6/2016							43.3	
12/7/2016	93.1	74	68.9					125
12/8/2016				102	113	135		
3/21/2017	95						44.1	138
3/22/2017		99.3	77.8	113	122			
3/23/2017						137		
7/11/2017	97.1		77.3				47.4	139
7/12/2017		91.4		110	129	145		
10/17/2017							48.7	
10/18/2017	100	92	84.7	122	125			144
10/19/2017						140		
2/20/2018	93.1						46.8	142
2/21/2018		89	81.8	107	118	145		
7/11/2018	111						65.3 (o)	159
7/12/2018		94.5	85.2				140	
8/15/2018					123			
8/16/2018				113				
9/12/2018	99.3						46.6	
9/13/2018		90.8	80.2		123			136
9/14/2018				108		124		
3/26/2019							43.3	
3/27/2019	105		90.5		134			152
3/28/2019		100		123		164		
9/10/2019								137
10/1/2019							46.8	
10/2/2019	103	101	89.1	115				
10/3/2019					139	125		
3/24/2020							48	
3/25/2020	105			121				157
3/26/2020		103	89.8		138	158		
10/6/2020	111		84				50.5	144
10/7/2020		93.5		112	129	144		
3/3/2021	114					142	54.7	154
3/4/2021		107	90.9	113	138			
9/14/2021							51	
9/15/2021	106	94	91					147
9/16/2021				102	135	137		
1/25/2022							53.1	
1/26/2022	114	100	90.1					152
1/27/2022				104	142	133		
8/24/2022							45.8	
8/25/2022	108	96.7	92	99.5	141	156		145
2/14/2023	103						56.2	139
2/15/2023		98.1	88.5		164 (M1)	144		
2/16/2023				94.1				

# Time Series

Constituent: Calcium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							101
9/8/2016	85.2						
10/18/2016			88.3	57.2			
12/6/2016			83.4				
12/7/2016				52.8			103
12/8/2016	84.5				117		
3/21/2017			94				
3/22/2017	85.3						111
3/23/2017				59.1	122		
7/11/2017	93		86	59.7			
7/12/2017					124		119
10/17/2017			91.6	64.9			
10/18/2017	87.6						
10/19/2017					118		107
2/20/2018			86.5	64.1			
2/21/2018	93.9				122		118
4/12/2018		<25					
5/23/2018		17.6 (J)					
6/13/2018		14.3					
7/11/2018		15.6	95.4	60.4			
7/12/2018	87.1				129		121
8/17/2018		27					
9/12/2018		26.9	86				
9/13/2018	85.8			58.7			116
9/14/2018					123		
10/4/2018		25			126		
10/24/2018		23.8					
3/26/2019			87.3				
3/27/2019	95.2	26.1		54.6			
3/28/2019					117		124
10/1/2019				64.3			
10/2/2019	92.3	21	95.5				
10/3/2019					110		127
3/24/2020		26.5					
3/25/2020	97.5		95.8	66.6			
3/26/2020					122		122
10/6/2020		22.7	98.8	62.8			
10/7/2020	84.2				94.7		109
3/3/2021	96.8		104	64.8 (M1)			
3/4/2021					106		122
3/8/2021		41.7					
9/14/2021		13.4		67.8			
9/15/2021	84.4		101				
9/16/2021					92		109
1/25/2022		20.7					
1/26/2022	90.2		102	69.2			
1/27/2022					92.5	106	112
8/24/2022	87.6	27.3	95.2	67.1	96.5		
8/25/2022							107
8/26/2022						95.5	
2/14/2023		30.2	99.9	69.3			
2/15/2023	86.9						114

# Time Series

Constituent: Calcium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					92.2	91.6	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							3.1	
8/31/2016	4.9							5.1
9/1/2016		7						
9/6/2016			7.9					
9/7/2016				7.7	6.9	6.8		
12/6/2016							3.4	
12/7/2016	4.8	7	7.6					5.2
12/8/2016				7.2	6.8	6.6		
3/21/2017	4.9						2.9	5.5
3/22/2017		7.4	7.7	7.3	6.8			
3/23/2017						6.6		
7/11/2017	5		8.1				3.4	5.7
7/12/2017		8		7.4	6.7	6.6		
10/17/2017							3.3	
10/18/2017	5.1	7.8	8.2	7.6	6.8			5.1
10/19/2017						6.5		
2/20/2018	5.1						3.3	5.5
2/21/2018		7.2	7.3	7.4	7.1	7.6		
7/11/2018	4.9						2.9	5.1
7/12/2018		7.5	7.2			6.3		
8/15/2018					6.7			
8/16/2018				7.5				
9/12/2018	4.8						2.8	
9/13/2018		6.8	7.3		6.7			5
9/14/2018				7.7		6.1		
3/26/2019							3.3	
3/27/2019	5.2		7.3		6.5			4.7
3/28/2019		7.4		7.3		6.4		
9/10/2019								3.8
10/1/2019							3.6	
10/2/2019	5.4	8	7.7	7.9				
10/3/2019					7	5.6		
3/24/2020							2.8	
3/25/2020	4.2			6.1				6.4
3/26/2020		7	7		5.7	5.4		
10/6/2020	4.4		6.4				3	7
10/7/2020		6.6		5.7	5	4.5		
3/3/2021	4.2					4	2.8	4.7
3/4/2021		6.3	5.9	4.2	5.1			
9/14/2021							2.9	
9/15/2021	3.9	5.8	5.6					2.8
9/16/2021				4.2	4.7	3.5		
1/25/2022							2.9	
1/26/2022	4.4	6.3	6.1					3.6
1/27/2022				3.8	4.9	3.7		
8/24/2022							2.6	
8/25/2022	4.6	6.4	6.3	3.9	4.6	4.6		3.2
2/14/2023	4.5						3	3.8
2/15/2023		6.2	6.2		4.5	4.1		
2/16/2023				3.1				

# Time Series

Constituent: Chloride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							7.4
9/8/2016	4						
10/18/2016			4.5	3.5			
12/6/2016			5				
12/7/2016				3.2			7.6
12/8/2016	3.6				6.9		
3/21/2017			4.3				
3/22/2017	3.3						7.2
3/23/2017				2.9	6.2		
7/11/2017	3		4.7	3.1			
7/12/2017					6		7.3
10/17/2017			4.6	3			
10/18/2017	2.9						
10/19/2017					6.4		7.4
2/20/2018			4.4	3			
2/21/2018	2.9				6.9		7.6
4/12/2018		2.6					
5/23/2018		2.5					
6/13/2018		2.5					
7/11/2018		2.6	4	2.8			
7/12/2018	2.6				7.3		7.1
8/17/2018		2.6					
9/12/2018		2.3	3.7				
9/13/2018	2.3			2.2			6.6
9/14/2018					7.3		
10/4/2018		2.7			7		
10/24/2018		2.8					
3/26/2019			3.8				
3/27/2019	2.4	2.5		3.1			
3/28/2019					4.8		6.4
10/1/2019				3.1			
10/2/2019	2.6	2.7	4.3				
10/3/2019					4.1		5.9
3/24/2020		2.2					
3/25/2020	1.6		3	2.2			
3/26/2020					2.9		4.8
10/6/2020		2.3	3.4	2.3			
10/7/2020	1.8				2		3.9
3/3/2021	1.6		3.1	2.2			
3/4/2021					1.8		4
3/8/2021		2.4					
9/14/2021		2.5		2.2			
9/15/2021	1.8		2.8				
9/16/2021					1.5		3.3
1/25/2022		2.4					
1/26/2022	1.7		3.2	2.4			
1/27/2022					1.8	3.2	3.8
8/24/2022	1.8	2.1	3	2.7	1.8		
8/25/2022							4.1
8/26/2022						2.4	
2/14/2023		2.6	3.3	2.7			
2/15/2023	1.8						4.3

# Time Series

Constituent: Chloride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					2.3	2.2	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0039 (J)	
8/31/2016	<0.01							<0.01
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.005		
12/6/2016							0.0047 (J)	
12/7/2016	<0.01	<0.005	<0.005					<0.01
12/8/2016				<0.005	<0.005	<0.005		
3/21/2017	<0.01						0.0047 (J)	0.0009 (J)
3/22/2017		<0.005	0.0008 (J)	<0.005	<0.005			
3/23/2017						<0.005		
7/11/2017	<0.01		<0.005				0.0054 (J)	0.0016 (J)
7/12/2017		<0.005		<0.005	<0.005	<0.005		
10/17/2017							0.0053 (J)	
10/18/2017	<0.01	<0.005	<0.005	<0.005	<0.005			0.0019 (J)
10/19/2017						<0.005		
2/20/2018	<0.01						0.0029 (J)	<0.01
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		
7/11/2018	<0.01						0.0057 (J)	0.0021 (J)
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.01						0.0033 (J)	
9/13/2018		<0.005	<0.005		<0.005			0.0022 (J)
9/14/2018				<0.005		<0.005		
9/10/2019								0.0044 (X)
10/1/2019							0.0022 (X)	
10/2/2019	<0.01	<0.005	0.00044 (X)	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							0.0036 (J)	
3/25/2020	0.0013 (J)			<0.005				0.0012 (J)
3/26/2020		<0.005	0.0013 (J)		0.00056 (J)	0.00073 (J)		
8/25/2020							0.003 (J)	
8/26/2020	0.0011 (J)	<0.005	0.00087 (J)	<0.005		<0.005		0.0014 (J)
8/27/2020					<0.005			
10/6/2020	0.00098 (J)		0.0011 (J)				0.0021 (J)	0.0015 (J)
10/7/2020		<0.005		<0.005	<0.005	<0.005		
3/3/2021	0.00097 (J)					<0.005	0.0018 (J)	0.0015 (J)
3/4/2021		<0.005	0.0012 (J)	<0.005	<0.005			
9/14/2021							0.002 (J)	
9/15/2021	0.0014 (J)	<0.005	0.0011 (J)					0.0019 (J)
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							0.0025 (J)	
1/26/2022	0.0012 (J)	<0.005	0.0013 (J)					0.0028 (J)
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							0.0025 (J)	
8/25/2022	0.0014 (J)	<0.005	0.0012 (J)	<0.005	<0.005	<0.005		0.0022 (J)
2/14/2023	0.0018 (J)						0.0015 (J)	0.0024 (J)
2/15/2023		<0.005	<0.005		<0.005	<0.005		
2/16/2023				<0.005				

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.01
9/8/2016	<0.005						
10/18/2016			<0.01	<0.005			
12/6/2016			<0.01				
12/7/2016				<0.005			0.003 (J)
12/8/2016	<0.005				<0.005		
3/21/2017			0.0006 (J)				
3/22/2017	<0.005						0.0005 (J)
3/23/2017				0.0005 (J)	0.0017 (J)		
7/11/2017	<0.005		0.0006 (J)	<0.005			
7/12/2017					<0.005		<0.01
10/17/2017			0.0008 (J)	0.0005 (J)			
10/18/2017	<0.005						
10/19/2017					<0.005		0.0005 (J)
2/20/2018			<0.01	<0.005			
2/21/2018	<0.005				<0.005		<0.01
4/12/2018		0.01					
5/23/2018		0.011					
6/13/2018		0.011					
7/11/2018		0.0096 (J)	<0.01	<0.005			
7/12/2018	<0.005				<0.005		<0.01
8/17/2018		0.0078 (J)					
9/12/2018		0.0056 (J)	<0.01				
9/13/2018	<0.005			<0.005			<0.01
9/14/2018					<0.005		
10/4/2018		0.0057 (J)			<0.005		
10/24/2018		0.0058 (J)					
10/1/2019				<0.005			
10/2/2019	<0.005	0.0049 (X)	0.00043 (X)				
10/3/2019					<0.005		0.0004 (X)
3/24/2020		0.0047 (J)					
3/25/2020	<0.005		0.0013 (J)	0.00086 (J)			
3/26/2020					<0.005		0.0016 (J)
8/25/2020			0.0011 (J)	0.001 (J)			
8/26/2020	<0.005	0.004 (J)			<0.005		0.0011 (J)
10/6/2020		0.0065 (J)	0.0013 (J)	0.00072 (J)			
10/7/2020	<0.005				<0.005		0.0014 (J)
3/3/2021	<0.005		0.0015 (J)	<0.005			
3/4/2021					<0.005		0.0024 (J)
3/8/2021		0.0028 (J)					
9/14/2021		0.0084		<0.005			
9/15/2021	<0.005		0.0014 (J)				
9/16/2021					<0.005		0.0025 (J)
1/25/2022		0.0098					
1/26/2022	<0.005		0.0015 (J)	<0.005			
1/27/2022					<0.005	<0.005	0.0034 (J)
8/24/2022	<0.005	0.0066	0.0015 (J)	<0.005	<0.005		
8/25/2022							0.0024 (J)
8/26/2022						<0.005	
2/14/2023		0.0041 (J)	0.0011 (J)	<0.005			
2/15/2023	<0.005						0.0034 (J)
2/16/2023					<0.005	<0.005	



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	<0.005							<0.005
9/1/2016		0.0012 (J)						
9/6/2016			0.0005 (J)					
9/7/2016				0.0011 (J)	0.0011 (J)	0.0012 (J)		
12/6/2016							<0.005	
12/7/2016	0.002 (J)	0.0005 (J)	<0.005					0.0008 (J)
12/8/2016				0.0006 (J)	<0.005	0.0009 (J)		
3/21/2017	<0.005						<0.005	<0.005
3/22/2017		0.0005 (J)	<0.005	0.0006 (J)	<0.005			
3/23/2017						<0.005		
7/11/2017	0.0003 (J)		<0.005				<0.005	<0.005
7/12/2017		0.0004 (J)		0.0005 (J)	<0.005	<0.005		
10/17/2017							<0.005	
10/18/2017	<0.005	0.0004 (J)	<0.005	0.0005 (J)	<0.005			<0.005
10/19/2017						<0.005		
2/20/2018	<0.005						<0.005	<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		
7/11/2018	<0.005						<0.005	<0.005
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.005
9/14/2018				<0.005		<0.005		
9/10/2019								<0.005
10/1/2019							<0.005	
10/2/2019	<0.005	<0.005	<0.005	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							<0.005	
3/25/2020	<0.005			0.00032 (J)				0.0003 (J)
3/26/2020		<0.005	<0.005		<0.005	<0.005		
8/25/2020							<0.005	
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005		0.00058 (J)
8/27/2020					<0.005			
10/6/2020	<0.005		<0.005				<0.005	0.00067 (J)
10/7/2020		<0.005		<0.005	<0.005	<0.005		
3/3/2021	<0.005					<0.005	<0.005	0.00049 (J)
3/4/2021		<0.005	<0.005	<0.005	<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					<0.005
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					<0.005
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
2/14/2023	<0.005						<0.005	<0.005
2/15/2023		<0.005	<0.005		<0.005	<0.005		
2/16/2023				<0.005				

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.005
9/8/2016	0.0008 (J)						
10/18/2016			<0.005	<0.005			
12/6/2016			0.0018 (J)				
12/7/2016				0.0015 (J)			<0.005
12/8/2016	<0.01				0.0041 (J)		
3/21/2017			<0.005				
3/22/2017	0.001 (J)						<0.005
3/23/2017				<0.005	0.0008 (J)		
7/11/2017	0.001 (J)		<0.005	<0.005			
7/12/2017					0.0007 (J)		<0.005
10/17/2017			<0.005	<0.005			
10/18/2017	0.0011 (J)						
10/19/2017					0.0005 (J)		<0.005
2/20/2018			<0.005	<0.005			
2/21/2018	0.00075 (J)				0.0012 (J)		<0.005
4/12/2018		<0.005					
5/23/2018		<0.005					
6/13/2018		<0.005					
7/11/2018		<0.005	<0.005	<0.005			
7/12/2018	0.0008 (J)				0.00053 (J)		<0.005
8/17/2018		<0.005					
9/12/2018		<0.005	<0.005				
9/13/2018	0.001 (J)			<0.005			<0.005
9/14/2018					<0.005		
10/4/2018		<0.005			<0.005		
10/24/2018		<0.005					
10/1/2019				<0.005			
10/2/2019	0.0017 (X)	<0.005	<0.005				
10/3/2019					<0.005		<0.005
3/24/2020		<0.005					
3/25/2020	0.0018 (J)		<0.005	<0.005			
3/26/2020					<0.005		<0.005
8/25/2020			<0.005	<0.005			
8/26/2020	0.0016 (J)	<0.005			<0.005		<0.005
10/6/2020		<0.005	<0.005	<0.005			
10/7/2020	0.0014 (J)				<0.005		<0.005
3/3/2021	0.0016 (J)		<0.005	<0.005			
3/4/2021					<0.005		<0.005
3/8/2021		<0.005					
9/14/2021		<0.005		<0.005			
9/15/2021	0.002 (J)		<0.005				
9/16/2021					<0.005		<0.005
1/25/2022		<0.005					
1/26/2022	0.0016 (J)		<0.005	<0.005			
1/27/2022					<0.005	0.0043 (J)	<0.005
8/24/2022	0.0016 (J)	<0.005	<0.005	<0.005	<0.005		
8/25/2022							<0.005
8/26/2022						0.0012 (J)	
2/14/2023		<0.005	<0.005	<0.005			
2/15/2023	0.0012 (J)						<0.005
2/16/2023					<0.005	0.00051 (J)	

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.503 (U)	
8/31/2016	1.77							1.85
9/1/2016		1.19						
9/6/2016			1.12					
9/7/2016				1.06 (U)	1.51	1.22		
12/6/2016							0.302 (U)	
12/7/2016	0.672 (U)	1.88	1.37					0.844 (U)
12/8/2016				1.3	1.29	1.69		
3/21/2017	0.33 (U)						0.526 (U)	0.832 (U)
3/22/2017		0.617 (U)	0.435 (U)	0.566 (U)	0.799 (U)			
3/23/2017						1.07		
7/11/2017	0.701 (U)		0.76 (U)				0.676 (U)	0.824 (U)
7/12/2017		0.674 (U)		0.856 (U)	0.4 (U)	0.849 (U)		
10/17/2017							0.201 (U)	
10/18/2017	0.808 (U)	0.844 (U)	0.847 (U)	0.957	0.613 (U)			1.19
10/19/2017						0.398 (U)		
2/20/2018	2.12						1.07 (U)	0.975 (U)
2/21/2018		0.842 (U)	0.373 (U)	1.4	0.736 (U)	1.03 (U)		
7/11/2018	0.232 (U)						0.825 (U)	1.29
7/12/2018		0.552 (U)	0.408 (U)			1.28 (U)		
9/12/2018	0.532 (U)						0.317 (U)	
9/13/2018		0.662 (U)	0.472 (U)		0.708 (U)			0.765 (U)
9/14/2018				1.16		0.74 (U)		
9/10/2019								0.575 (U)
10/1/2019							0.953 (U)	
10/2/2019	0.915 (U)	1 (U)	0.65 (U)	1.34 (U)				
10/3/2019					2.07	1.9		
3/24/2020							2.23	
3/25/2020	0.694 (U)			0.385 (U)				1.39
3/26/2020		0.863 (U)	0.522 (U)		1.05	1.66		
8/25/2020							0.777 (U)	
8/26/2020	0.115 (U)	0.681 (U)	0.499 (U)	1.62		0.703 (U)		0.774 (U)
10/6/2020	0.265 (U)		1.12 (U)				0.996 (U)	1.24 (U)
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893		
3/3/2021	0.328 (U)					0.469 (U)	0.915 (U)	1.01 (U)
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)			
9/14/2021							0.532 (U)	
9/15/2021	0.872 (U)	0.729 (U)	0.721 (U)					0.742 (U)
9/16/2021				0.377 (U)	0.681 (U)	1.4		
1/25/2022							0.32 (U)	
1/26/2022	0.185 (U)	0.879 (U)	0.117 (U)					0.76 (U)
1/27/2022				0.314 (U)	0.418 (U)	0.255 (U)		
8/24/2022							0.196 (U)	
8/25/2022	0.453 (U)	1.05	0.728 (U)	0.98 (U)	0.0434 (U)	0.937		0.396 (U)
2/14/2023	0.0857 (U)						0.319 (U)	0.521 (U)
2/15/2023		0.875 (U)	0.137 (U)		0.828	0.652 (U)		
2/16/2023				0.129 (U)				

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.88 (U)
9/8/2016	1.41						
10/18/2016			0.0311 (U)	0.0333 (U)			
12/6/2016			0.301 (U)				
12/7/2016				0.507 (U)			0.179 (U)
12/8/2016	1.39				0.968 (U)		
3/21/2017			0.506 (U)				
3/22/2017	0.852 (U)						0.279 (U)
3/23/2017				0.378 (U)	0.444 (U)		
7/11/2017	1.04		0.0701 (U)	1.04			
7/12/2017					0.814 (U)		0.125 (U)
10/17/2017			0.412 (U)	0.779 (U)			
10/18/2017	0.678 (U)						
10/19/2017					0.748 (U)		0.329 (U)
2/20/2018			0.81 (U)	0.906 (U)			
2/21/2018	0.863 (U)				1.05 (U)		0.504 (U)
4/12/2018		0.774 (U)					
5/23/2018		0.301 (U)					
6/13/2018		0.508 (U)					
7/11/2018		1.66	0.749 (U)	0.505 (U)			
7/12/2018	1.42				0.751 (U)		0.188 (U)
9/12/2018		0.217 (U)	0.2 (U)				
9/13/2018	0.766 (U)			0.313 (U)			0.0542 (U)
9/14/2018					1.01 (U)		
10/4/2018		1.14			1.05		
10/24/2018		0.441 (U)					
10/1/2019				1.01 (U)			
10/2/2019	1.48	0.712 (U)	0.0883 (U)				
10/3/2019					1.62 (U)		1.37
3/24/2020		0.898 (U)					
3/25/2020	0.91 (U)		1.79	0.333 (U)			
3/26/2020					0.473 (U)		0.43 (U)
8/25/2020			0.405 (U)	0.34 (U)			
8/26/2020	0.95 (U)				0.782 (U)		0.572 (U)
10/6/2020		0.929 (U)	0.276 (U)	0.371 (U)			
10/7/2020	1.01 (U)				0.442 (U)		0.232 (U)
3/3/2021	0.545 (U)		0.907 (U)	0.836 (U)			
3/4/2021					1.03 (U)		0.529 (U)
3/8/2021		0.475 (U)					
9/14/2021		0.972 (U)		0.68 (U)			
9/15/2021	1.07 (U)		0.0517 (U)				
9/16/2021					0.184 (U)		0.382 (U)
1/25/2022		0.146 (U)					
1/26/2022	0.282 (U)		0.0386 (U)	0.449 (U)			
1/27/2022					0.259 (U)	1.13	0.315 (U)
8/24/2022	0.764 (U)	0.0268 (U)	0.781 (U)	0.342 (U)	0.764 (U)		
8/25/2022							0.771 (U)
8/26/2022						0.488 (U)	
2/14/2023		0.486 (U)	0.102 (U)	0.151 (U)			
2/15/2023	0.484 (U)						0.496 (U)
2/16/2023					0.765	0.193 (U)	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.06 (J)	
8/31/2016	0.13 (J)							0.13 (J)
9/1/2016		0.06 (J)						
9/6/2016			0.09 (J)					
9/7/2016				0.03 (J)	0.12 (J)	0.15 (J)		
12/6/2016							0.06 (J)	
12/7/2016	0.07 (J)	0.09 (J)	0.09 (J)					0.13 (J)
12/8/2016				0.18 (J)	0.18 (J)	0.12 (J)		
3/21/2017	<0.1						0.004 (J)	0.05 (J)
3/22/2017		0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)			
3/23/2017						0.14 (J)		
7/11/2017	0.05 (J)		0.05 (J)				0.05 (J)	0.05 (J)
7/12/2017		0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)		
10/17/2017							<0.1	
10/18/2017	0.11 (J)	0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)			<0.1
10/19/2017						<0.3		
2/20/2018	0.04 (J)						0.098 (J)	0.3 (J)
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37		
7/11/2018	<0.1						<0.1	0.077 (J)
7/12/2018		<0.1	<0.1				0.17 (J)	
8/15/2018					<0.1			
8/16/2018				0.073 (J)				
9/12/2018	<0.1						0.034 (J)	
9/13/2018		0.15 (J)	<0.1		<0.1			<0.1
9/14/2018				<0.1		<0.3		
3/26/2019							<0.1	
3/27/2019	<0.1		<0.1		<0.1			<0.1
3/28/2019		0.1		0.15		0.074		
9/10/2019								<0.1
10/1/2019							0.062 (X)	
10/2/2019	0.056 (X)	0.075 (X)	0.053 (X)	0.063 (X)				
10/3/2019					0.043 (X)	0.084 (X)		
3/24/2020							<0.1	
3/25/2020	<0.1			<0.1				0.066 (J)
3/26/2020		0.056 (J)	<0.1		<0.1	0.077 (J)		
8/25/2020							<0.1	
8/26/2020	<0.1	<0.1	<0.1	<0.1		0.062 (J)		0.057 (J)
8/27/2020					<0.1			
10/6/2020	<0.1		<0.1				<0.1	0.052 (J)
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)		
3/3/2021	<0.1					0.058 (J)	<0.1	<0.1
3/4/2021		<0.1	<0.1	<0.1	<0.1			
9/14/2021							<0.1	
9/15/2021	<0.1	<0.1	<0.1					<0.1
9/16/2021				0.052 (J)	<0.1	0.067 (J)		
1/25/2022							<0.1	
1/26/2022	<0.1	<0.1	<0.1					<0.1
1/27/2022				<0.1	<0.1	0.056 (J)		
8/24/2022							0.08 (J)	
8/25/2022	0.051 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)		0.074 (J)
2/14/2023	<0.1						0.063 (J)	0.084 (J)
2/15/2023		0.064 (J)	0.053 (J)		<0.1	0.086 (J)		

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/16/2023				0.077 (J)				

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.1
9/8/2016	0.25 (J)						
10/18/2016			0.16 (J)	0.11 (J)			
12/6/2016			0.15 (J)				
12/7/2016				0.07 (J)			0.15 (J)
12/8/2016	0.22 (J)				0.21 (J)		
3/21/2017			0.02 (J)				
3/22/2017	0.16 (J)						0.09 (J)
3/23/2017				<0.1	0.18 (J)		
7/11/2017	0.23 (J)		0.06 (J)	0.02 (J)			
7/12/2017					0.06 (J)		0.02 (J)
10/17/2017			0.05 (J)	<0.1			
10/18/2017	0.28 (J)						
10/19/2017					<0.1		<0.1
2/20/2018			0.21 (J)	<0.1			
2/21/2018	0.29 (J)				0.039 (J)		0.045 (J)
4/12/2018		<0.1					
5/23/2018		0.063 (J)					
6/13/2018		0.11 (J)					
7/11/2018		<0.1	0.087 (J)	<0.1			
7/12/2018	0.21 (J)				<0.1		<0.1
8/17/2018		<0.1					
9/12/2018		0.093 (J)	0.049 (J)				
9/13/2018	0.22 (J)			<0.1			<0.1
9/14/2018					<0.1		
10/4/2018		0.15 (J)			0.15 (J)		
10/24/2018		0.29 (J)					
3/26/2019			<0.1				
3/27/2019	0.37	0.04		<0.1			
3/28/2019					<0.1		<0.1
10/1/2019				0.042 (X)			
10/2/2019	0.16 (X)	0.11 (X)	0.057 (X)				
10/3/2019					0.06 (X)		0.041 (X)
3/24/2020		0.051 (J)					
3/25/2020	0.13 (J)		<0.1	<0.1			
3/26/2020					<0.1		<0.1
8/25/2020			<0.1	<0.1			
8/26/2020	0.14	0.057 (J)			<0.1		<0.1
10/6/2020		0.073 (J)	<0.1	<0.1			
10/7/2020	0.13				<0.1		<0.1
3/3/2021	0.12		<0.1	<0.1			
3/4/2021					<0.1		<0.1
3/8/2021		<0.1					
9/14/2021		0.089 (J)		<0.1			
9/15/2021	0.14		<0.1				
9/16/2021					<0.1		<0.1
1/25/2022		0.071 (J)					
1/26/2022	0.11		<0.1	<0.1			
1/27/2022					<0.1	0.057 (J)	<0.1
8/24/2022	0.15	0.088 (J)	0.069 (J)	0.058 (J)	0.092 (J)		
8/25/2022							0.056 (J)
8/26/2022						0.083 (J)	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/14/2023				<0.1			
2/15/2023	0.16	0.076 (J)	0.059 (J)				0.05 (J)
2/16/2023					0.082 (J)	0.077 (J)	



# Time Series

Constituent: Lead (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.001	
8/31/2016	<0.001							<0.001
9/1/2016		<0.001						
9/6/2016			<0.001					
9/7/2016				<0.001	<0.001	<0.001		
12/6/2016							<0.001	
12/7/2016	<0.001	<0.001	<0.001					<0.001
12/8/2016				<0.001	<0.001	<0.001		
3/21/2017	<0.001						<0.001	<0.001
3/22/2017		5E-05 (J)	<0.001	<0.001	<0.001			
3/23/2017						<0.001		
7/11/2017	<0.001		<0.001				<0.001	<0.001
7/12/2017		<0.001		<0.001	<0.001	<0.001		
10/17/2017							0.0001 (J)	
10/18/2017	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
10/19/2017						<0.001		
2/20/2018	<0.001						<0.001	<0.001
2/21/2018		<0.001	<0.001	<0.001	0.00043 (J)	<0.001		
7/11/2018	<0.001						<0.001	<0.001
7/12/2018		<0.001	<0.001			<0.001		
8/15/2018					<0.001			
8/16/2018				<0.001				
9/12/2018	<0.001						<0.001	
9/13/2018		<0.001	<0.001		<0.001			<0.001
9/14/2018				<0.001		<0.001		
9/10/2019								<0.001
10/1/2019							<0.001	
10/2/2019	<0.001	<0.001	8.1E-05 (X)	<0.001				
10/3/2019					<0.001	<0.001		
3/24/2020							6.2E-05 (J)	
3/25/2020	<0.001			<0.001				0.00015 (J)
3/26/2020		<0.001	<0.001		<0.001	<0.001		
8/25/2020							6.5E-05 (J)	
8/26/2020	<0.001	<0.001	<0.001	<0.001		<0.001		<0.001
8/27/2020					<0.001			
10/6/2020	<0.001		<0.001				6.6E-05 (J)	4.7E-05 (J)
10/7/2020		<0.001		<0.001	4.2E-05 (J)	4.2E-05 (J)		
3/3/2021	<0.001					<0.001	5.5E-05 (J)	5.8E-05 (J)
3/4/2021		<0.001	<0.001	<0.001	<0.001			
9/14/2021							<0.001	
9/15/2021	<0.001	<0.001	<0.001					<0.001
9/16/2021				<0.001	<0.001	<0.001		
1/25/2022							<0.001	
1/26/2022	<0.001	<0.001	<0.001					<0.001
1/27/2022				<0.001	<0.001	<0.001		
8/24/2022							<0.001	
8/25/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
2/14/2023	<0.001						<0.001	<0.001
2/15/2023		<0.001	<0.001		<0.001	<0.001		
2/16/2023				<0.001				

# Time Series

Constituent: Lead (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.001
9/8/2016	<0.001						
10/18/2016			<0.001	0.0001 (J)			
12/6/2016			<0.001				
12/7/2016				<0.001			<0.001
12/8/2016	<0.001				<0.001		
3/21/2017			<0.001				
3/22/2017	<0.001						<0.001
3/23/2017				0.0002 (J)	9E-05 (J)		
7/11/2017	<0.001		<0.001	<0.001			
7/12/2017					<0.001		<0.001
10/17/2017			0.0005 (J)	7E-05 (J)			
10/18/2017	<0.001						
10/19/2017					<0.001		<0.001
2/20/2018			<0.001	<0.001			
2/21/2018	<0.001				<0.001		<0.001
4/12/2018		<0.001					
5/23/2018		<0.001					
6/13/2018		<0.001					
7/11/2018		<0.001	<0.001	<0.001			
7/12/2018	<0.001				<0.001		<0.001
8/17/2018		<0.001					
9/12/2018		<0.001	<0.001				
9/13/2018	<0.001			<0.001			<0.001
9/14/2018					<0.001		
10/4/2018		<0.001			<0.001		
10/24/2018		<0.001					
10/1/2019				<0.001			
10/2/2019	<0.001	4.7E-05 (X)	8.1E-05 (X)				
10/3/2019					4.7E-05 (X)		<0.001
3/24/2020		<0.001					
3/25/2020	<0.001		<0.001	<0.001			
3/26/2020					<0.001		<0.001
8/25/2020			<0.001	6.3E-05 (J)			
8/26/2020	<0.001	<0.001			<0.001		<0.001
10/6/2020		<0.001	<0.001	<0.001			
10/7/2020	<0.001				<0.001		<0.001
3/3/2021	<0.001		<0.001	<0.001			
3/4/2021					<0.001		4.1E-05 (J)
3/8/2021		6.2E-05 (J)					
9/14/2021		<0.001		<0.001			
9/15/2021	<0.001		<0.001				
9/16/2021					<0.001		<0.001
1/25/2022		<0.001					
1/26/2022	<0.001		<0.001	<0.001			
1/27/2022					<0.001	<0.001	<0.001
8/24/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
8/25/2022							<0.001
8/26/2022						<0.001	
2/14/2023		<0.001	<0.001	<0.001			
2/15/2023	<0.001						<0.001
2/16/2023					<0.001	<0.001	

# Time Series

Constituent: Lithium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.03	
8/31/2016	<0.03							<0.03
9/1/2016		<0.05						
9/6/2016			<0.03					
9/7/2016				<0.05	<0.05	0.0082 (J)		
12/6/2016							<0.03	
12/7/2016	0.003 (J)	<0.05	<0.03					<0.03
12/8/2016				<0.05	<0.05	0.0061 (J)		
3/21/2017	<0.03						<0.03	<0.03
3/22/2017		0.0011 (J)	<0.03	0.0021 (J)	0.0029 (J)			
3/23/2017						0.0122 (J)		
7/11/2017	<0.03		<0.03				<0.03	<0.03
7/12/2017		<0.05		0.002 (J)	0.0024 (J)	0.013 (J)		
10/17/2017							<0.03	
10/18/2017	<0.03	<0.05	<0.03	0.002 (J)	0.0027 (J)			<0.03
10/19/2017						0.013 (J)		
2/20/2018	<0.03						<0.03	<0.03
2/21/2018		<0.05	<0.03	0.0022 (J)	0.0021 (J)	0.0085 (J)		
7/11/2018	<0.03						<0.03	<0.03
7/12/2018		0.0012 (J)	<0.03			0.013 (J)		
8/15/2018					0.0027 (J)			
8/16/2018				0.0027 (J)				
9/12/2018	<0.03						<0.03	
9/13/2018		0.0013 (J)	<0.03		0.0029 (J)			<0.03
9/14/2018				0.0025 (J)		0.018 (J)		
9/10/2019								<0.03
10/1/2019							<0.03	
10/2/2019	<0.03	0.0013 (X)	<0.03	0.0024 (X)				
10/3/2019					0.0027 (X)	0.016 (X)		
3/24/2020							<0.03	
3/25/2020	<0.03			0.003 (J)				0.0011 (J)
3/26/2020		0.0014 (J)	<0.03		0.0027 (J)	0.013 (J)		
8/25/2020							<0.03	
8/26/2020	<0.03	0.0013 (J)	<0.03	0.0028 (J)		0.011 (J)		0.0011 (J)
8/27/2020					0.0025 (J)			
10/6/2020	<0.03		<0.03				<0.03	0.00097 (J)
10/7/2020		0.0013 (J)		0.0029 (J)	0.003 (J)	0.013 (J)		
3/3/2021	<0.03					0.015 (J)	<0.03	0.001 (J)
3/4/2021		0.0014 (J)	<0.03	0.002 (J)	0.0029 (J)			
9/14/2021							<0.03	
9/15/2021	<0.03	0.0013 (J)	<0.03					0.00085 (J)
9/16/2021				0.0021 (J)	0.0023 (J)	0.013 (J)		
1/25/2022							<0.03	
1/26/2022	<0.03	0.0013 (J)	<0.03					<0.03
1/27/2022				0.0022 (J)	0.003 (J)	0.016 (J)		
8/24/2022							<0.03	
8/25/2022	<0.03	0.0012 (J)	<0.03	0.0018 (J)	0.0033 (J)	0.012 (J)		<0.03
2/14/2023	<0.03						<0.03	<0.03
2/15/2023		0.001 (J)	<0.03		0.0027 (J)	0.011 (J)		
2/16/2023				0.0014 (J)				

# Time Series

Constituent: Lithium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.0022 (J)
9/8/2016	0.0038 (J)						
10/18/2016			<0.03	<0.03			
12/6/2016			<0.03				
12/7/2016				<0.03			0.0023 (J)
12/8/2016	0.0038 (J)				<0.03		
3/21/2017			<0.03				
3/22/2017	0.0068 (J)						0.0025 (J)
3/23/2017				<0.03	<0.03		
7/11/2017	0.0059 (J)		<0.03	<0.03			
7/12/2017					<0.03		0.0033 (J)
10/17/2017			<0.03	<0.03			
10/18/2017	0.0057 (J)						
10/19/2017					<0.03		<0.25
2/20/2018			<0.03	<0.03			
2/21/2018	0.0063 (J)				<0.03		0.0034 (J)
4/12/2018		<0.05					
5/23/2018		<0.05					
6/13/2018		<0.05					
7/11/2018		0.0011 (J)	<0.03	<0.03			
7/12/2018	0.0063 (J)				<0.03		0.0038 (J)
8/17/2018		0.0024 (J)					
9/12/2018		0.0025 (J)	<0.03				
9/13/2018	0.0061 (J)			<0.03			0.0026 (J)
9/14/2018					<0.03		
10/4/2018		0.0021 (J)			<0.03		
10/24/2018		0.0021 (J)					
10/1/2019				<0.03			
10/2/2019	0.0074 (X)	0.0016 (X)	<0.03				
10/3/2019					<0.03		0.0032 (X)
3/24/2020		0.0019 (J)					
3/25/2020	0.0066 (J)		<0.03	<0.03			
3/26/2020					<0.03		0.0031 (J)
8/25/2020			<0.03	<0.03			
8/26/2020	0.0065 (J)	0.0015 (J)			<0.03		0.0023 (J)
10/6/2020		0.00099 (J)	<0.03	<0.03			
10/7/2020	0.0063 (J)				<0.03		0.0023 (J)
3/3/2021	0.0061 (J)		<0.03	<0.03			
3/4/2021					<0.03		0.0031 (J)
3/8/2021		0.0019 (J)					
9/14/2021		0.0013 (J)		<0.03			
9/15/2021	0.0061 (J)		<0.03				
9/16/2021					<0.03		0.0025 (J)
1/25/2022		0.0012 (J)					
1/26/2022	0.008 (J)		<0.03	<0.03			
1/27/2022					<0.03	0.002 (J)	0.0039 (J)
8/24/2022	0.0073 (J)	0.0012 (J)	<0.03	<0.03	<0.03		
8/25/2022							0.003 (J)
8/26/2022						0.0013 (J)	
2/14/2023		0.001 (J)	<0.03	<0.03			
2/15/2023	0.0057 (J)						0.0037 (J)
2/16/2023					<0.03	0.00082 (J)	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0002	
8/31/2016	<0.0002							<0.0002
9/1/2016		<0.0002						
9/6/2016			<0.0002					
9/7/2016				<0.0002	<0.0002	<0.0002		
12/6/2016							<0.0002	
12/7/2016	7E-05 (J)	<0.0002	<0.0002					9E-05 (J)
12/8/2016				<0.0002	<0.0002	<0.0002		
3/21/2017	<0.0002						<0.0002	<0.0002
3/22/2017		<0.0002	<0.0002	<0.0002	<0.0002			
3/23/2017						<0.0002		
7/11/2017	<0.0002		<0.0002				<0.0002	<0.0002
7/12/2017		<0.0002		<0.0002	<0.0002	<0.0002		
10/17/2017							<0.0002	
10/18/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002
10/19/2017						<0.0002		
2/20/2018	<0.0002						<0.0002	<0.0002
2/21/2018		9.7E-05 (J)	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)		
7/11/2018	<0.0002						<0.0002	<0.0002
7/12/2018		<0.0002	<0.0002				<0.0002	
8/15/2018					<0.0002			
8/16/2018				<0.0002				
9/12/2018	<0.0002						<0.0002	
9/13/2018		<0.0002	<0.0002		<0.0002			<0.0002
9/14/2018				<0.0002		<0.0002		
8/25/2020							9.9E-05 (J)	
8/26/2020	0.00015 (J)	<0.0002	<0.0002	<0.0002		0.0001 (J)		0.00017 (J)
8/27/2020					<0.0002			
10/6/2020	<0.0002		<0.0002				<0.0002	<0.0002
10/7/2020		<0.0002		<0.0002	<0.0002	<0.0002		
3/3/2021	<0.0002					<0.0002	<0.0002	<0.0002
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002			
9/14/2021							<0.0002	
9/15/2021	<0.0002	<0.0002	<0.0002					<0.0002
9/16/2021				<0.0002	<0.0002	<0.0002		
1/25/2022							<0.0002	
1/26/2022	<0.0002	<0.0002	<0.0002					<0.0002
1/27/2022				<0.0002	<0.0002	<0.0002		
8/24/2022							<0.0002	
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
2/14/2023	<0.0002						<0.0002	<0.0002
2/15/2023		<0.0002	<0.0002		<0.0002	<0.0002		
2/16/2023				<0.0002				

# Time Series

Constituent: Mercury (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.0002
9/8/2016	<0.0002						
10/18/2016			<0.0002	<0.0002			
12/6/2016			<0.0002				
12/7/2016				<0.0002			6E-05 (J)
12/8/2016	<0.0002				<0.0002		
3/21/2017			<0.0002				
3/22/2017	<0.0002						<0.0002
3/23/2017				<0.0002	<0.0002		
7/11/2017	<0.0002		<0.0002	<0.0002			
7/12/2017					<0.0002		<0.0002
10/17/2017			<0.0002	<0.0002			
10/18/2017	<0.0002						
10/19/2017					<0.0002		<0.0002
2/20/2018			<0.0002	<0.0002			
2/21/2018	5.3E-05 (J)				4.3E-05 (J)		5.3E-05 (J)
4/12/2018		<0.0002					
5/23/2018		<0.0002					
6/13/2018		4.9E-05 (J)					
7/11/2018		<0.0002	<0.0002	<0.0002			
7/12/2018	<0.0002				<0.0002		<0.0002
8/17/2018		<0.0002					
9/12/2018		<0.0002	<0.0002				
9/13/2018	<0.0002			<0.0002			<0.0002
9/14/2018					4.1E-05 (J)		
10/4/2018		<0.0002			<0.0002		
10/24/2018		5.2E-05 (J)					
8/25/2020			0.0001 (J)	<0.0002			
8/26/2020	<0.0002	<0.0002			0.00011 (J)		<0.0002
10/6/2020		<0.0002	<0.0002	<0.0002			
10/7/2020	<0.0002				<0.0002		<0.0002
3/3/2021	<0.0002		<0.0002	<0.0002			
3/4/2021					<0.0002		<0.0002
3/8/2021		<0.0002					
9/14/2021		<0.0002		<0.0002			
9/15/2021	<0.0002		<0.0002				
9/16/2021					<0.0002		<0.0002
1/25/2022		<0.0002					
1/26/2022	<0.0002		<0.0002	<0.0002			
1/27/2022					<0.0002	<0.0002	<0.0002
8/24/2022		0.00013 (J)	<0.0002	0.00014 (J)	<0.0002		
8/25/2022							<0.0002
8/26/2022						<0.0002	
10/11/2022	<0.0002						
2/14/2023		<0.0002	<0.0002	<0.0002			
2/15/2023	<0.0002						<0.0002
2/16/2023					<0.0002	<0.0002	

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.01	
8/31/2016	<0.01							<0.01
9/1/2016		<0.01						
9/6/2016			<0.01					
9/7/2016				<0.01	<0.01	0.0027 (J)		
12/6/2016							0.0019 (J)	
12/7/2016	<0.01	<0.01	<0.01					<0.01
12/8/2016				<0.01	<0.01	0.0022 (J)		
3/21/2017	0.0005 (J)						0.0018 (J)	0.0006 (J)
3/22/2017		0.0004 (J)	0.0004 (J)	0.0004 (J)	<0.01			
3/23/2017						0.0025 (J)		
7/11/2017	<0.01		<0.01				0.0018 (J)	<0.01
7/12/2017		<0.01		<0.01	<0.01	0.0022 (J)		
10/17/2017							0.0016 (J)	
10/18/2017	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01
10/19/2017						0.0021 (J)		
2/20/2018	<0.01						<0.01	<0.01
2/21/2018		<0.01	<0.01	<0.01	<0.01	<0.01		
7/11/2018	<0.01						<0.01	<0.01
7/12/2018		<0.01	<0.01			0.0022 (J)		
8/15/2018					<0.01			
8/16/2018				<0.01				
9/12/2018	<0.01						<0.01	
9/13/2018		<0.01	<0.01		<0.01			<0.01
9/14/2018				<0.01		0.0023 (J)		
9/10/2019								<0.01
10/1/2019							0.001 (X)	
10/2/2019	<0.01	<0.01	<0.01	<0.01				
10/3/2019					<0.01	0.0024 (X)		
3/24/2020							0.001 (J)	
3/25/2020	<0.01			<0.01				0.0011 (J)
3/26/2020		<0.01	<0.01		<0.01	0.0021 (J)		
8/25/2020							0.001 (J)	
8/26/2020	<0.01	<0.01	<0.01	<0.01		0.002 (J)		<0.01
8/27/2020					<0.01			
10/6/2020	<0.01		<0.01				0.0009 (J)	<0.01
10/7/2020		<0.01		<0.01	<0.01	0.0019 (J)		
3/3/2021	<0.01					0.0021 (J)	0.00076 (J)	<0.01
3/4/2021		<0.01	<0.01	<0.01	<0.01			
9/14/2021							0.00086 (J)	
9/15/2021	<0.01	<0.01	<0.01					<0.01
9/16/2021				<0.01	<0.01	0.0021 (J)		
1/25/2022							<0.01	
1/26/2022	<0.01	<0.01	<0.01					<0.01
1/27/2022				<0.01	<0.01	0.0022 (J)		
8/24/2022							0.00088 (J)	
8/25/2022	<0.01	<0.01	<0.01	<0.01	<0.01	0.0017 (J)		<0.01
2/14/2023	<0.01						0.0013 (J)	<0.01
2/15/2023		<0.01	<0.01		<0.01	0.0016 (J)		
2/16/2023				<0.01				

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.01
9/8/2016	<0.01						
10/18/2016			<0.01	<0.01			
12/6/2016			<0.01				
12/7/2016				<0.01			<0.01
12/8/2016	<0.01				<0.01		
3/21/2017			0.0005 (J)				
3/22/2017	0.001 (J)						<0.01
3/23/2017				<0.01	<0.01		
7/11/2017	<0.01		<0.01	<0.01			
7/12/2017					<0.01		<0.01
10/17/2017			<0.01	<0.01			
10/18/2017	<0.01						
10/19/2017					<0.01		<0.01
2/20/2018			<0.01	<0.01			
2/21/2018	<0.01				<0.01		<0.01
4/12/2018		<0.01					
5/23/2018		<0.01					
6/13/2018		<0.01					
7/11/2018		<0.01	<0.01	<0.01			
7/12/2018	<0.01				<0.01		<0.01
8/17/2018		<0.01					
9/12/2018		<0.01	<0.01				
9/13/2018	<0.01			<0.01			<0.01
9/14/2018					<0.01		
10/4/2018		<0.01			<0.01		
10/24/2018		<0.01					
10/1/2019				<0.01			
10/2/2019	<0.01	<0.01	<0.01				
10/3/2019					<0.01		<0.01
3/24/2020		<0.01					
3/25/2020	<0.01		<0.01	<0.01			
3/26/2020					<0.01		<0.01
8/25/2020			<0.01	<0.01			
8/26/2020	<0.01	<0.01			<0.01		<0.01
10/6/2020		0.00069 (J)	<0.01	<0.01			
10/7/2020	<0.01				<0.01		<0.01
3/3/2021	<0.01		<0.01	<0.01			
3/4/2021					<0.01		<0.01
3/8/2021		<0.01					
9/14/2021		0.00077 (J)		<0.01			
9/15/2021	<0.01		<0.01				
9/16/2021					<0.01		<0.01
1/25/2022		<0.01					
1/26/2022	<0.01		<0.01	<0.01			
1/27/2022					<0.01	0.00085 (J)	<0.01
8/24/2022	<0.01	<0.01	<0.01	<0.01	<0.01		
8/25/2022							<0.01
8/26/2022						<0.01	
2/14/2023		<0.01	<0.01	<0.01			
2/15/2023	<0.01						<0.01
2/16/2023					<0.01	<0.01	



# Time Series

Constituent: pH (SU) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							7.67	
8/31/2016	6.97							6.75
9/1/2016		7.21						
9/6/2016			7.23					
9/7/2016				7.02	6.92	6.71		
12/6/2016							7.57	
12/7/2016	6.85	7.13	7.3					6.64
12/8/2016				6.95	6.9	6.61		
3/21/2017	7.04						7.54	6.73
3/22/2017		7.04	7.2	7.05	7			
3/23/2017						6.69		
7/11/2017	6.88		7.31				7.43	6.66
7/12/2017		7.09		7.06	6.95	6.69		
10/17/2017							7.7	
10/18/2017	6.77	7.2	7.28	6.99		6.88		6.73
10/19/2017						6.85		
2/20/2018	7.32 (D)						7.57	7.11
2/21/2018		7.11	7.1	6.95	6.89	6.66		
7/11/2018	7.12						7.48	7
7/12/2018		7.07	7.14	7.06	7.01	6.84		
8/15/2018					6.87			
8/16/2018				7.01				
9/12/2018	6.87						7.41	
9/13/2018		7.01	7.08		6.86			6.56
9/14/2018				6.83		6.76		
3/26/2019							7.49	
3/27/2019	6.98		7.23		6.92			6.75
3/28/2019		7.84		6.97		6.67		
9/10/2019								6.78
10/1/2019							7.5	
10/2/2019	6.96	7.22	7.22	6.99				
10/3/2019					6.78	6.93		
3/24/2020							7.79	
3/25/2020	7.02			6.93				6.84
3/26/2020		7.08	7.12		7.01	6.7		
8/25/2020							7.49	
8/26/2020	6.98	7.08	7.18	6.98		6.68		6.64
8/27/2020					6.88			
10/6/2020	7.01		7.24				7.35	6.78
10/7/2020		7.11		7.04	6.91	6.78		
3/3/2021	6.99					6.78	7.56	6.79
3/4/2021		7.09	7.34	7.09	6.91			
9/14/2021							7.45	
9/15/2021	6.94	7.09	7.12					6.72
9/16/2021				7.03	6.85	6.77		
1/25/2022							7.51	
1/26/2022	7.05	7.33	7.26					6.83
1/27/2022				7.03	6.92	6.8		
8/24/2022							7.49	
8/25/2022	6.93	7.15	7.14	7.05	6.76	6.67		6.76
2/14/2023	7.04						7.43	6.75
2/15/2023		7.09	7.1		6.73	6.66		

# Time Series

Constituent: pH (SU) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/16/2023				7.14				

# Time Series

Constituent: pH (SU) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							7.07
9/8/2016	7.1						
10/4/2016					6.88		
10/5/2016					6.91		
10/17/2016				7.43			
10/18/2016			7.15	7.45			
12/6/2016			7.04				
12/7/2016				7.29			6.85
12/8/2016	6.98				6.86		
3/21/2017			7.01				
3/22/2017	7.16						6.99
3/23/2017				7.26	6.9		
7/11/2017	7.15		6.96	7.31	7.82 (o)		
7/12/2017					6.81		6.83
10/17/2017		7.61	7.31	7.29			
10/18/2017	7.09						
10/19/2017					6.86		6.91
2/20/2018				7.26			
2/21/2018	7.12				7.02		6.97
7/11/2018		9.48	7.26	7.39			
7/12/2018			7.01		6.82		6.85
9/12/2018		9.07	7.02				
9/13/2018	7.03			7.25			6.88
9/14/2018					6.75		
3/26/2019			7				
3/27/2019	7.08	8.76		7.42			
3/28/2019					6.96		6.96
10/1/2019				7.43			
10/2/2019	7.2	8.97	7.09				
10/3/2019					7.01		6.85
3/24/2020		8.57					
3/25/2020	7.01		7.15	7.23			
3/26/2020					7		7.12
8/25/2020			7.14	7.53			
8/26/2020	7.09	7.97			6.99		7.01
10/6/2020		8.72	7.01	7.27			
10/7/2020	6.95				7.04		6.98
3/3/2021	7.04		7.14	7.41			
3/4/2021					7.22		6.95
3/8/2021		7.77					
9/14/2021		8.96		7.31			
9/15/2021	7.05		6.99				
9/16/2021					7.1		6.96
1/25/2022		8.4					
1/26/2022	7.28		7.1	7.44			
1/27/2022					7.18	7.3	7.03
8/24/2022	7.1	8.01	7.04	7.34	7.1		
8/25/2022							6.98
8/26/2022						7.09	
10/11/2022	7.13	7.94		7.37			
2/14/2023		7.97	7.09	7.36			
2/15/2023	7.02						6.92

# Time Series

Constituent: pH (SU) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					7.13	7.06	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	0.0012 (J)							0.0014 (J)
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.01		
12/6/2016							<0.005	
12/7/2016	<0.005	<0.005	<0.005					<0.01
12/8/2016				<0.005	<0.005	<0.01		
3/21/2017	<0.005						<0.005	<0.01
3/22/2017		<0.005	<0.005	<0.005	<0.005			
3/23/2017						<0.01		
7/11/2017	<0.005		<0.005				<0.005	<0.01
7/12/2017		<0.005		<0.005	<0.005	<0.01		
10/17/2017							<0.005	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			<0.01
10/19/2017						<0.01		
2/20/2018	<0.005						<0.005	<0.01
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.01		
7/11/2018	<0.005						<0.005	<0.01
7/12/2018		<0.005	<0.005			<0.01		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.01
9/14/2018				<0.005		0.0015 (J)		
9/10/2019								0.0018 (X)
10/1/2019							<0.005	
10/2/2019	0.0015 (X)	<0.005	<0.005	<0.005				
10/3/2019					<0.005	0.0034 (X)		
3/24/2020							<0.005	
3/25/2020	<0.005			<0.005				0.003 (J)
3/26/2020		<0.005	<0.005		<0.005	0.0016 (J)		
8/25/2020							<0.005	
8/26/2020	<0.005	0.0018 (J)	<0.005	<0.005		0.0031 (J)		0.0026 (J)
8/27/2020					<0.005			
10/6/2020	<0.005		<0.005				<0.005	0.0027 (J)
10/7/2020		<0.005		<0.005	<0.005	0.0035 (J)		
3/3/2021	<0.005					0.0033 (J)	<0.005	0.0025 (J)
3/4/2021		<0.005	<0.005	<0.005	<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					0.0024 (J)
9/16/2021				<0.005	<0.005	0.0033 (J)		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					0.0023 (J)
1/27/2022				<0.005	<0.005	0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0019 (J)		0.0023 (J)
2/14/2023	<0.005						<0.005	0.0015 (J)
2/15/2023		<0.005	<0.005		<0.005	0.0036 (J)		
2/16/2023				<0.005				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.005
9/8/2016	<0.005						
10/18/2016			<0.005	<0.005			
12/6/2016			<0.005				
12/7/2016				<0.005			<0.005
12/8/2016	<0.005				<0.005		
3/21/2017			<0.005				
3/22/2017	<0.005						<0.005
3/23/2017				<0.005	<0.005		
7/11/2017	<0.005		<0.005	<0.005			
7/12/2017					<0.005		<0.005
10/17/2017			<0.005	<0.005			
10/18/2017	<0.005						
10/19/2017					<0.005		<0.005
2/20/2018			<0.005	<0.005			
2/21/2018	<0.005				<0.005		<0.005
4/12/2018		<0.005					
5/23/2018		<0.005					
6/13/2018		<0.005					
7/11/2018		<0.005	<0.005	<0.005			
7/12/2018	<0.005				<0.005		<0.005
8/17/2018		<0.005					
9/12/2018		<0.005	<0.005				
9/13/2018	<0.005			<0.005			<0.005
9/14/2018					<0.005		
10/4/2018		<0.005			<0.005		
10/24/2018		<0.005					
10/1/2019				<0.005			
10/2/2019	<0.005	<0.005	<0.005				
10/3/2019					<0.005		0.0017 (X)
3/24/2020		<0.005					
3/25/2020	<0.005		<0.005	<0.005			
3/26/2020					<0.005		<0.005
8/25/2020			<0.005	<0.005			
8/26/2020	<0.005	<0.005			<0.005		0.0018 (J)
10/6/2020		<0.005	<0.005	<0.005			
10/7/2020	<0.005				<0.005		<0.005
3/3/2021	<0.005		<0.005	<0.005			
3/4/2021					<0.005		0.0018 (J)
3/8/2021		<0.005					
9/14/2021		<0.005		<0.005			
9/15/2021	<0.005		<0.005				
9/16/2021					<0.005		<0.005
1/25/2022		<0.005					
1/26/2022	<0.005		<0.005	<0.005			
1/27/2022					<0.005	<0.005	0.0018 (J)
8/24/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
8/25/2022							0.0017 (J)
8/26/2022						<0.005	
2/14/2023		<0.005	<0.005	<0.005			
2/15/2023	<0.005						0.0017 (J)
2/16/2023					<0.005	<0.005	

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							2.1	
8/31/2016	4.1							29
9/1/2016		73						
9/6/2016			49					
9/7/2016				99	96	87		
12/6/2016							2.4	
12/7/2016	1.5	71	46					24
12/8/2016				94	94	84		
3/21/2017	2						2.5	31
3/22/2017		80	53	100	95			
3/23/2017						90		
7/11/2017	2		52				2.6	37
7/12/2017		78		100	96	93		
10/17/2017							2.5	
10/18/2017	4.2	82	58	100	99			34
10/19/2017						92		
2/20/2018	2.4						2.3	34.7
2/21/2018		72.2	48.2	98.8	91.8	84.5		
7/11/2018	3.8						2.5	35.4
7/12/2018		80.5	48.8			84.9		
8/15/2018					101			
8/16/2018				111				
9/12/2018	4.3						2	
9/13/2018		84.4	48.7		106			37.4
9/14/2018				102		89.5		
3/26/2019							2.7	
3/27/2019	8.2		46.5		111			41.9
3/28/2019		90.3		94.7		83.5		
9/10/2019								45.1
10/1/2019							2.8	
10/2/2019	6.2	83	48.5	104				
10/3/2019					95.8	84.9		
3/24/2020							3	
3/25/2020	11.9			92.4				47
3/26/2020		83.6	43.5		91	84.9		
10/6/2020	11		42.4				2.4	71.2
10/7/2020		80.7		89.1	87.3	83.3		
3/3/2021	8.8					80.8	2.2	66
3/4/2021		74.1	38.9	66.8	88.6			
9/14/2021							2.6	
9/15/2021	11.4	73.4	37.8					46.8
9/16/2021				70.9	86.9	72.7		
1/25/2022							2.4	
1/26/2022	9.1	77.2	38.9					37.8
1/27/2022				62.1	89.9 (M1)	76.3		
8/24/2022							2.2	
8/25/2022	10.7	75.5	38.7	62.7	96.3	84.4		45.6
2/14/2023	10						1.6	35.1
2/15/2023		75.7 (M1)	38.1		96.6	78.8		
2/16/2023				54.2				

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							62
9/8/2016	48						
10/18/2016			2.2	2.3			
12/6/2016			6.1				
12/7/2016				1.9			57
12/8/2016	46				100		
3/21/2017			5.7				
3/22/2017	53						61
3/23/2017				1.7	100		
7/11/2017	51		4.8	1.8			
7/12/2017					97		53
10/17/2017			6.4	1.9			
10/18/2017	50						
10/19/2017					97		55
2/20/2018			5.2	2.1			
2/21/2018	46.8				93.6		52.1
4/12/2018		4.8 (J)					
5/23/2018		4.5					
6/13/2018		5.3					
7/11/2018		5.4	3.6	2			
7/12/2018	48.3				89.4		53.9
8/17/2018		4.5					
9/12/2018		4.4	2.7				
9/13/2018	42			2.1			67.5
9/14/2018					88.9		
10/4/2018		5.8			97.8		
10/24/2018		6.2					
3/26/2019			1.6				
3/27/2019	43.7	3.7		2.4			
3/28/2019					76.7		59.6
10/1/2019				2.2			
10/2/2019	43	4.1	1.6				
10/3/2019					72.1		59.6
3/24/2020		3.1					
3/25/2020	39.1		1.5	1.9			
3/26/2020					66.6		57.1
10/6/2020		3.1	0.98 (J)	1.9			
10/7/2020	38.1				54.6		48.9
3/3/2021	39.2		0.6 (J)	2			
3/4/2021					49.3		49.7
3/8/2021		2.7					
9/14/2021		3.8		1.8			
9/15/2021	37.8		0.64 (J)				
9/16/2021					40.4		41.8
1/25/2022		2.9					
1/26/2022	37.5		0.69 (J)	1.9			
1/27/2022					40	94.5	46.7
8/24/2022	35.7	2	0.56 (J)	1.7	34.7		
8/25/2022							47.3
8/26/2022						87.2	
2/14/2023		2.6	0.89 (J)	2			
2/15/2023	37.1						49.9



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					36	77.7	

# Time Series

Constituent: TDS (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							136	
8/31/2016	344							400
9/1/2016		284						
9/6/2016			257					
9/7/2016				392	415	508		
12/6/2016							207	
12/7/2016	393	242	248					406
12/8/2016				431	441	556		
3/21/2017	276						128	409
3/22/2017		332	304	456	469			
3/23/2017						482		
7/11/2017	263		265				138	414
7/12/2017		308		445	432	497		
10/17/2017							101	
10/18/2017	261	275	240	349	368			366
10/19/2017						448		
2/20/2018	295						138	429
2/21/2018		312	285	411	409	500		
7/11/2018	294						153	440
7/12/2018		337	285			523		
8/15/2018					422			
8/16/2018				415				
9/12/2018	286						146	
9/13/2018		336	291		438			448
9/14/2018				403		486		
3/26/2019							334	
3/27/2019	281		277		408			410
3/28/2019		337		420		378		
9/10/2019								420
10/1/2019							146	
10/2/2019	312	355	284	415				
10/3/2019					464	485		
3/24/2020							228	
3/25/2020	330			408				454
3/26/2020		330	286		415	440		
10/6/2020	241		261				153	462
10/7/2020		336		392	425	492		
3/3/2021	258					452	134	444
3/4/2021		300	264	325	427			
9/14/2021							150	
9/15/2021	292	326	270					422
9/16/2021				330	419	450		
1/25/2022							148	
1/26/2022	288	308	267					413
1/27/2022				329	433	442		
8/24/2022							139	
8/25/2022	259	319	90	321	446	528		437
2/14/2023	300						200	414
2/15/2023		329	334		477	529		
2/16/2023				299				

# Time Series

Constituent: TDS (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							373
9/8/2016	293						
10/18/2016			264	152			
12/6/2016			299				
12/7/2016				214			433
12/8/2016	309				503 (o)		
3/21/2017			260				
3/22/2017	299						409
3/23/2017				165	430		
7/11/2017	301		244	162			
7/12/2017					438		374
10/17/2017			218	140			
10/18/2017	256						
10/19/2017					393		318
2/20/2018			264	163			
2/21/2018	297				435		367
4/12/2018		69					
5/23/2018		62					
6/13/2018		93					
7/11/2018		84	273	192			
7/12/2018	310				447		423
8/17/2018		115					
9/12/2018		97	252				
9/13/2018	307			192			394
9/14/2018					447		
10/4/2018		103			450		
10/24/2018		110					
3/26/2019			253				
3/27/2019	287	87		167			
3/28/2019					405		365
10/1/2019				187			
10/2/2019	312	95	263				
10/3/2019					414		405
3/24/2020		123					
3/25/2020	280		278	178			
3/26/2020					336		332
10/6/2020		81	254	169			
10/7/2020	280				337		334
3/3/2021	267		264	166			
3/4/2021					283		335
3/8/2021		126					
9/14/2021		71		179			
9/15/2021	272		256				
9/16/2021					296		307
1/25/2022		68					
1/26/2022	276		262	182			
1/27/2022					274	387	331
8/24/2022			261		265		
8/25/2022							325
8/26/2022						358	
10/11/2022	267	75		173			
2/14/2023		140	257	177			

# Time Series

Constituent: TDS (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/15/2023	264						335 (D6)
2/16/2023					293	421	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.001	
8/31/2016	<0.001							<0.001
9/1/2016		<0.001						
9/6/2016			<0.001					
9/7/2016				<0.001	<0.001	<0.001		
12/6/2016							<0.001	
12/7/2016	<0.001	<0.001	<0.001					0.0002 (J)
12/8/2016				<0.001	<0.001	0.0003 (J)		
3/21/2017	6E-05 (J)						<0.001	0.0003 (J)
3/22/2017		<0.001	0.0002 (J)	<0.001	4E-05 (J)			
3/23/2017						0.0003 (J)		
7/11/2017	<0.001		0.0002 (J)				<0.001	0.0002 (J)
7/12/2017		<0.001		<0.001	<0.001	0.0004 (J)		
10/17/2017							<0.001	
10/18/2017	<0.001	<0.001	0.0002 (J)	<0.001	5E-05 (J)			0.0001 (J)
10/19/2017						0.0005 (J)		
2/20/2018	<0.001						<0.001	0.00026 (J)
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)		
7/11/2018	<0.001						<0.001	0.00018 (J)
7/12/2018		<0.001	<0.001			0.00077 (J)		
8/15/2018					<0.001			
8/16/2018				<0.001				
9/12/2018	<0.001						<0.001	
9/13/2018		<0.001	0.00017 (J)		<0.001			<0.001
9/14/2018				<0.001		0.00076 (J)		
9/10/2019								<0.001
10/1/2019							<0.001	
10/2/2019	<0.001	0.00016 (X)	5.3E-05 (X)	0.00016 (X)				
10/3/2019					<0.001	0.00071 (X)		
3/24/2020							<0.001	
3/25/2020	<0.001			0.0002 (J)				0.00015 (J)
3/26/2020		0.00014 (J)	<0.001		7.1E-05 (J)	0.00068 (J)		
8/25/2020							<0.001	
8/26/2020	<0.001	0.00027 (J)	<0.001	0.00025 (J)		0.00056 (J)		0.00016 (J)
8/27/2020					<0.001			
10/6/2020	<0.001		<0.001				<0.001	<0.001
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)		
3/3/2021	<0.001					0.00072 (J)	<0.001	0.00017 (J)
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001			
9/14/2021							<0.001	
9/15/2021	<0.001	0.0002 (J)	<0.001					<0.001
9/16/2021				0.00034 (J)	<0.001	0.00066 (J)		
1/25/2022							<0.001	
1/26/2022	<0.001	<0.001	<0.001					<0.001
1/27/2022				0.00038 (J)	<0.001	0.00063 (J)		
8/24/2022							<0.001	
8/25/2022	<0.001	<0.001	<0.001	0.00037 (J)	<0.001	0.00053 (J)		<0.001
2/14/2023	<0.001						<0.001	<0.001
2/15/2023		<0.001	<0.001		<0.001	0.00051 (J)		
2/16/2023				0.00038 (J)				

# Time Series

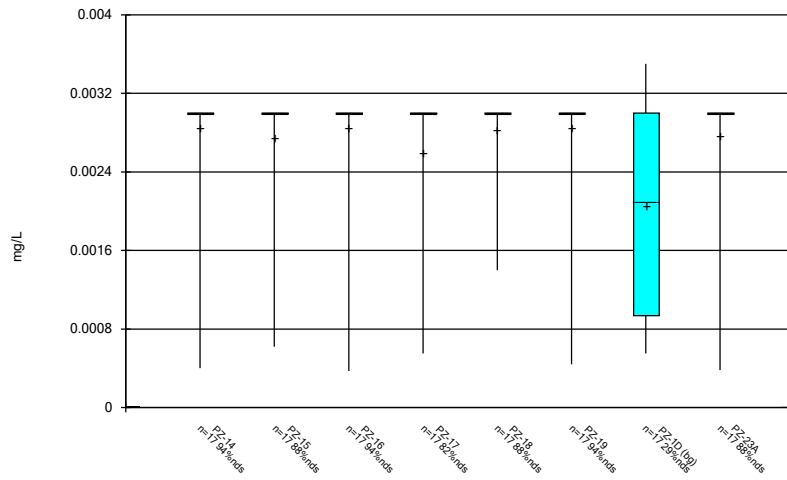
Constituent: Thallium (mg/L) Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.001
9/8/2016	<0.001						
10/18/2016			<0.001	<0.001			
12/6/2016			<0.001				
12/7/2016				0.0002 (J)			<0.001
12/8/2016	<0.001				<0.001		
3/21/2017			6E-05 (J)				
3/22/2017	<0.001						0.0002 (J)
3/23/2017				8E-05 (J)	0.0001 (J)		
7/11/2017	<0.001		<0.001	7E-05 (J)			
7/12/2017					0.0001 (J)		0.0001 (J)
10/17/2017			<0.001	8E-05 (J)			
10/18/2017	<0.001						
10/19/2017					0.0001 (J)		0.0001 (J)
2/20/2018			<0.001	<0.001			
2/21/2018	<0.001				<0.001		<0.001
4/12/2018		<0.001					
5/23/2018		<0.001					
6/13/2018		<0.001					
7/11/2018		<0.001	<0.001	<0.001			
7/12/2018	<0.001				<0.001		<0.001
8/17/2018		<0.001					
9/12/2018		<0.001	<0.001				
9/13/2018	<0.001			<0.001			<0.001
9/14/2018					<0.001		
10/4/2018		<0.001			<0.001		
10/24/2018		0.00016 (J)					
10/1/2019				<0.001			
10/2/2019	0.00024 (X)	<0.001	<0.001				
10/3/2019					0.00018 (X)		7.8E-05 (X)
3/24/2020		<0.001					
3/25/2020	0.00037 (J)		<0.001	<0.001			
3/26/2020					0.00015 (J)		8.5E-05 (J)
8/25/2020			<0.001	<0.001			
8/26/2020	0.00037 (J)	<0.001			<0.001		<0.001
10/6/2020		<0.001	<0.001	<0.001			
10/7/2020	0.00027 (J)				<0.001		<0.001
3/3/2021	0.00036 (J)		<0.001	<0.001			
3/4/2021					<0.001		<0.001
3/8/2021		<0.001					
9/14/2021		<0.001		<0.001			
9/15/2021	0.00066 (J)		<0.001				
9/16/2021					<0.001		<0.001
1/25/2022		<0.001					
1/26/2022	0.00039 (J)		<0.001	<0.001			
1/27/2022					<0.001	<0.001	<0.001
8/24/2022	0.00048 (J)	<0.001	<0.001	<0.001	<0.001		<0.001
8/25/2022							<0.001
8/26/2022						<0.001	
2/14/2023		<0.001	<0.001	<0.001			
2/15/2023	0.00045 (J)						<0.001
2/16/2023					<0.001	<0.001	

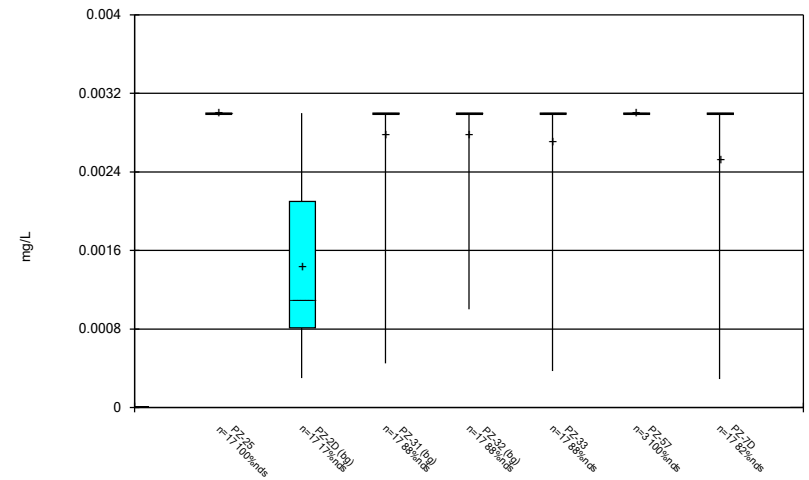
FIGURE B.

Box & Whiskers Plot



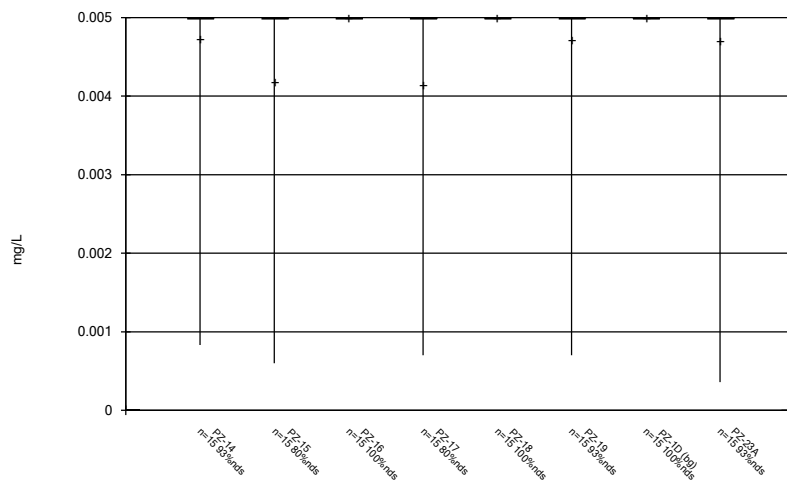
Constituent: Antimony Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



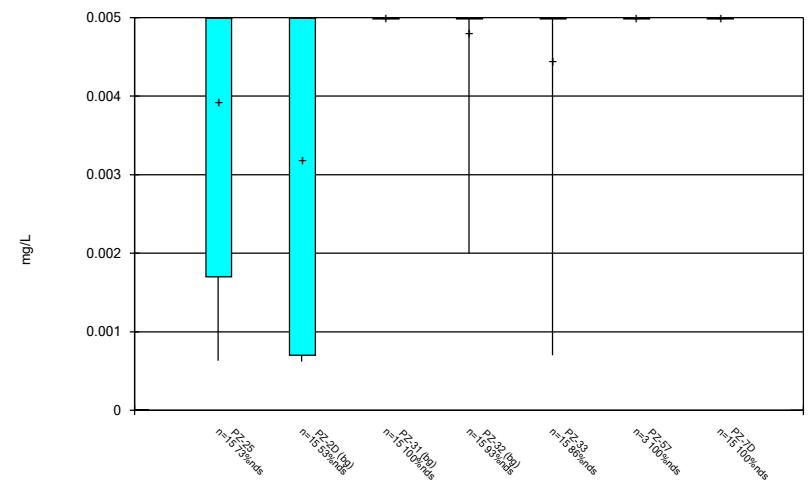
Constituent: Antimony Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

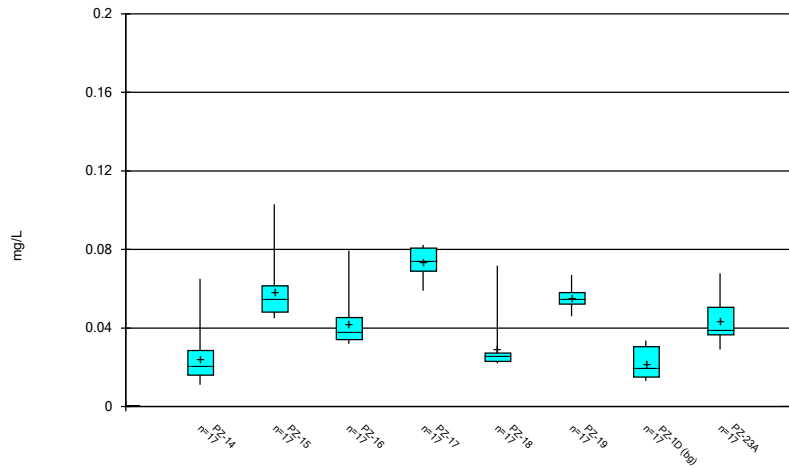
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

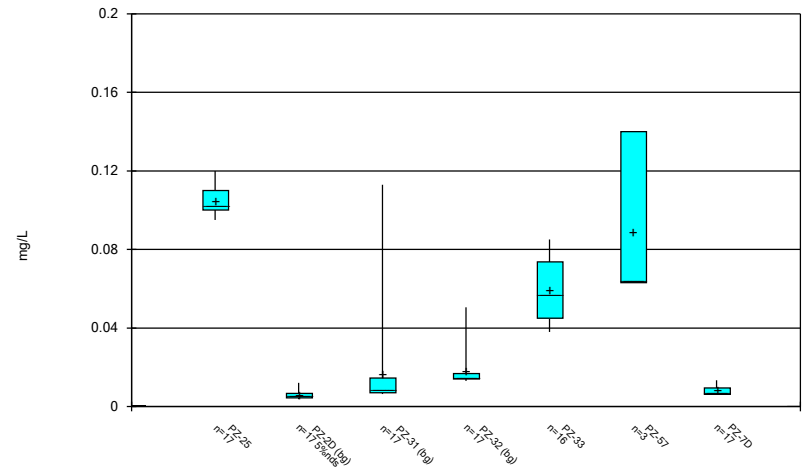


### Box & Whiskers Plot



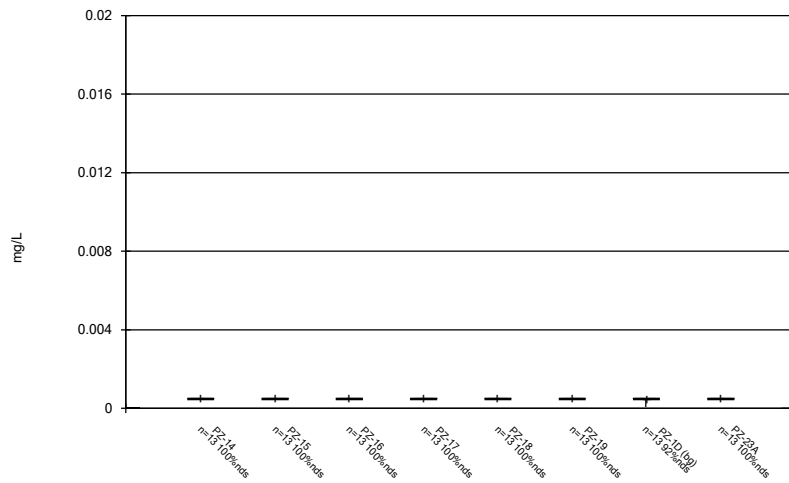
Constituent: Barium Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



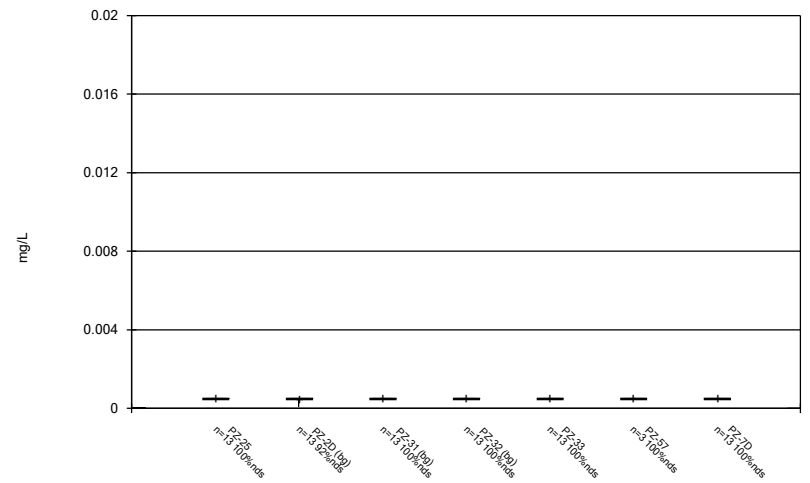
Constituent: Barium Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



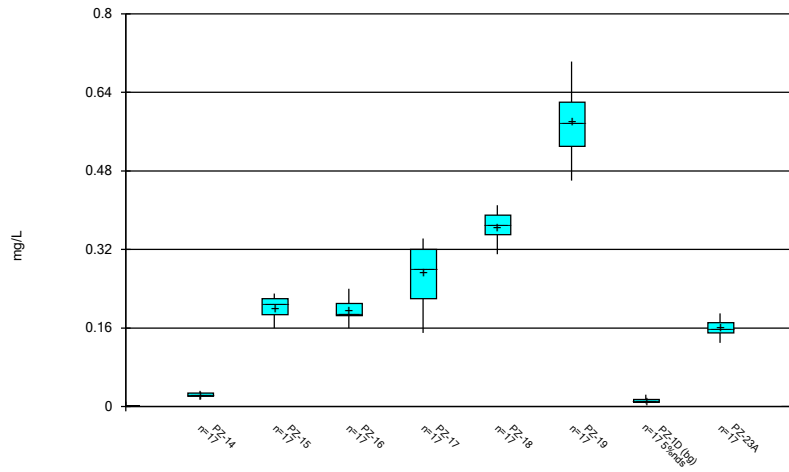
Constituent: Beryllium Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



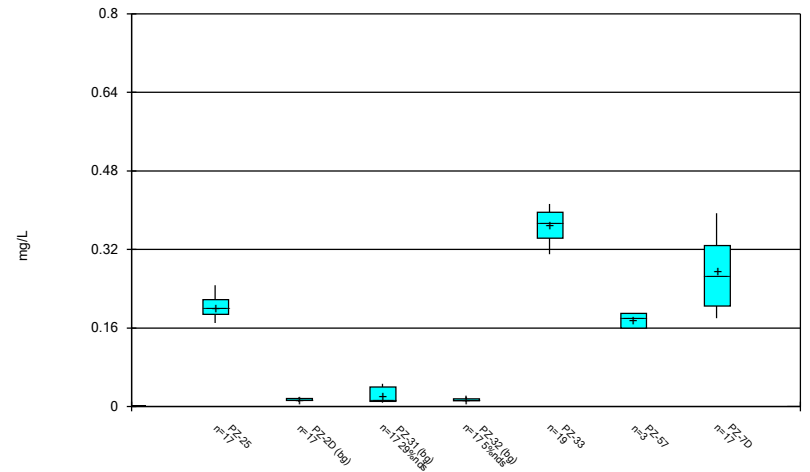
Constituent: Beryllium Analysis Run 3/24/2023 1:43 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



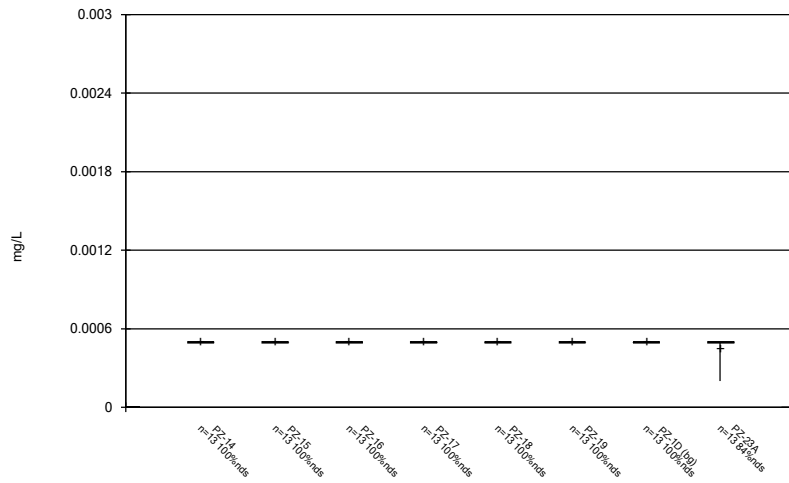
Constituent: Boron Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



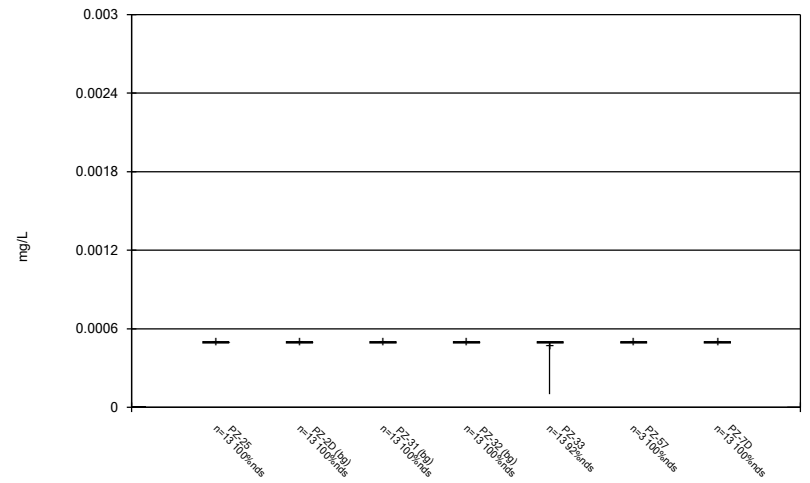
Constituent: Boron Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



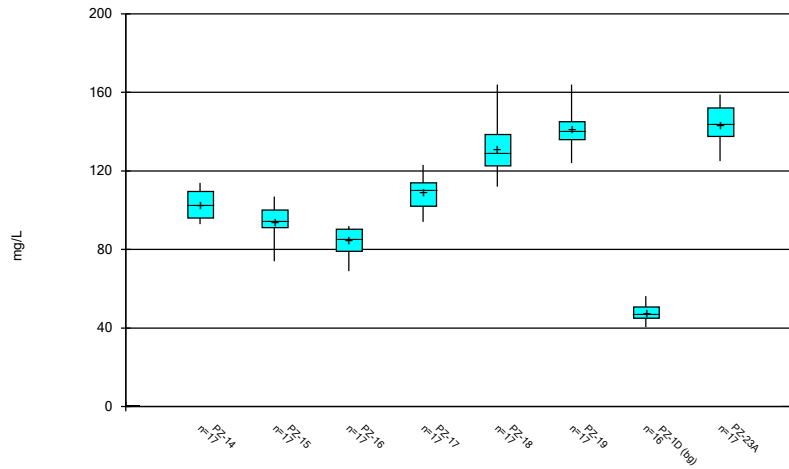
Constituent: Cadmium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



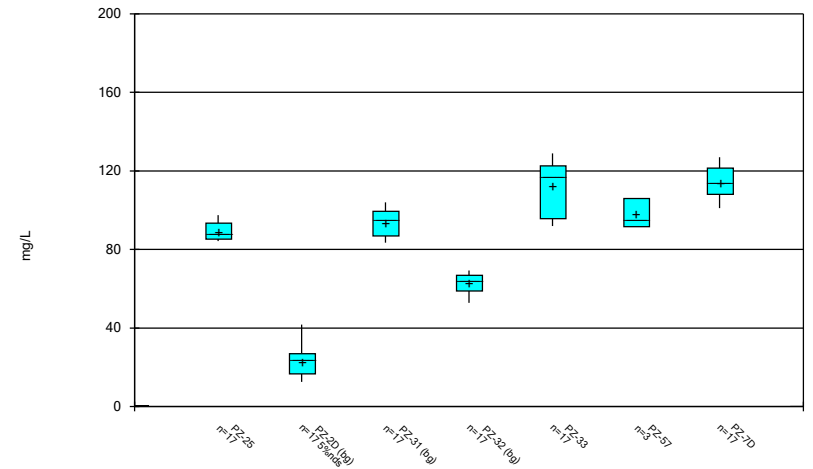
Constituent: Cadmium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



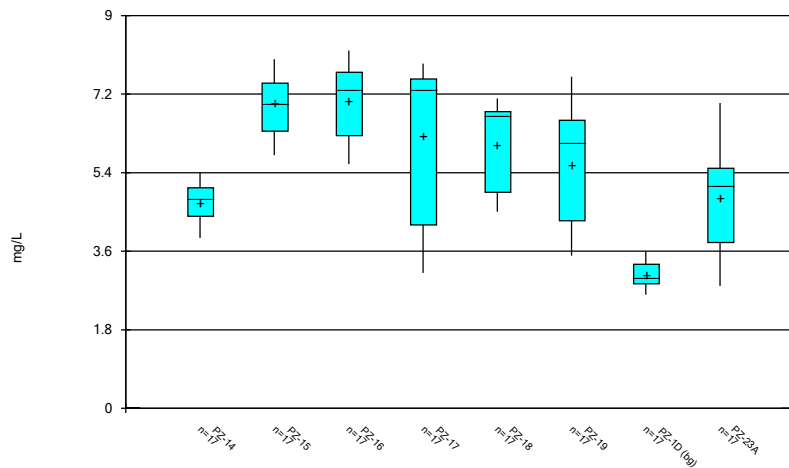
Constituent: Calcium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



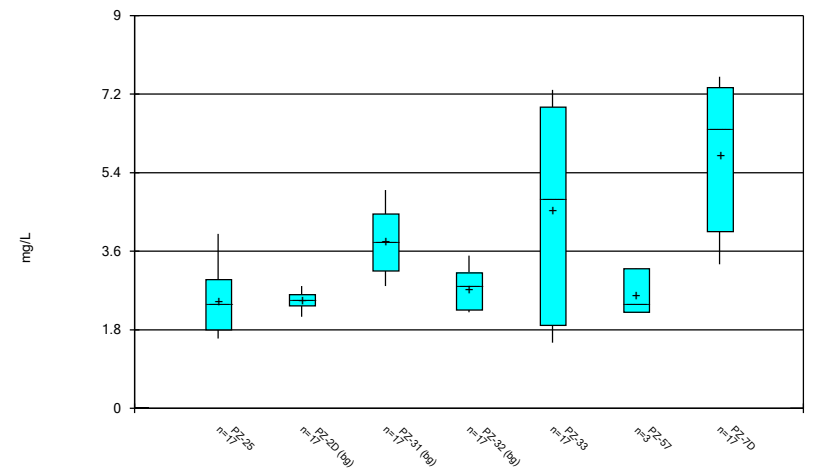
Constituent: Calcium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



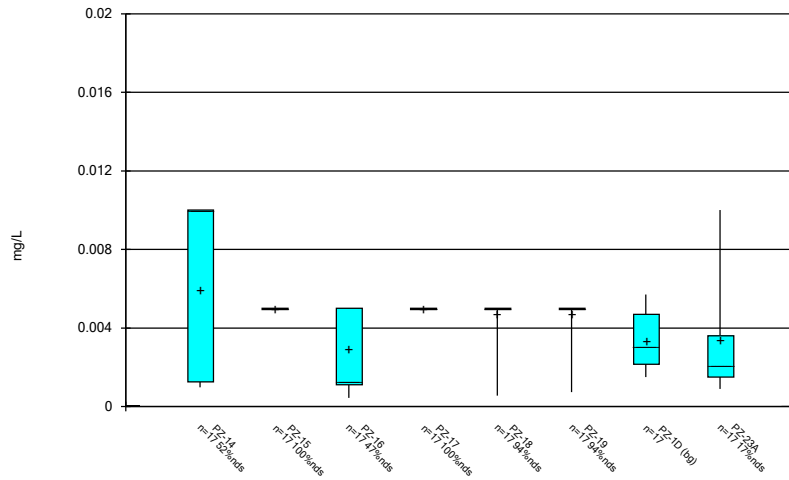
Constituent: Chloride Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



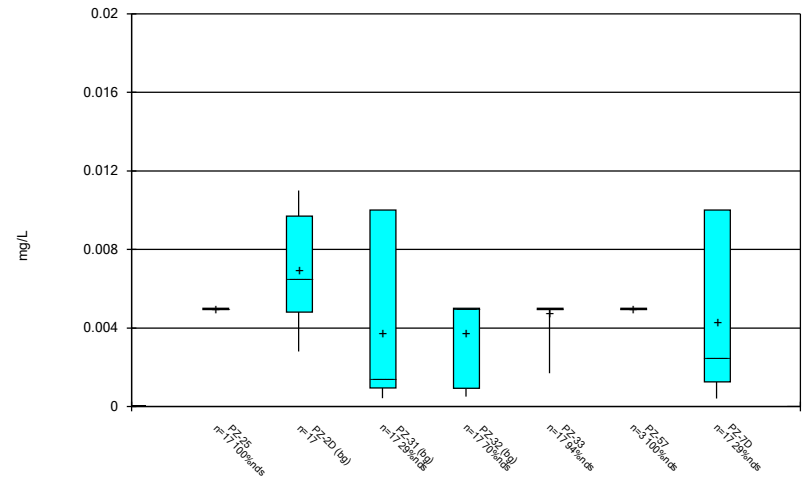
Constituent: Chloride Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



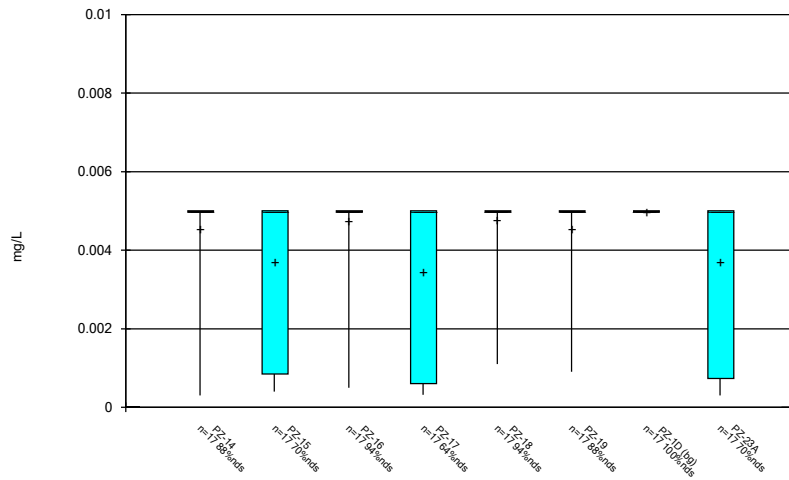
Constituent: Chromium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



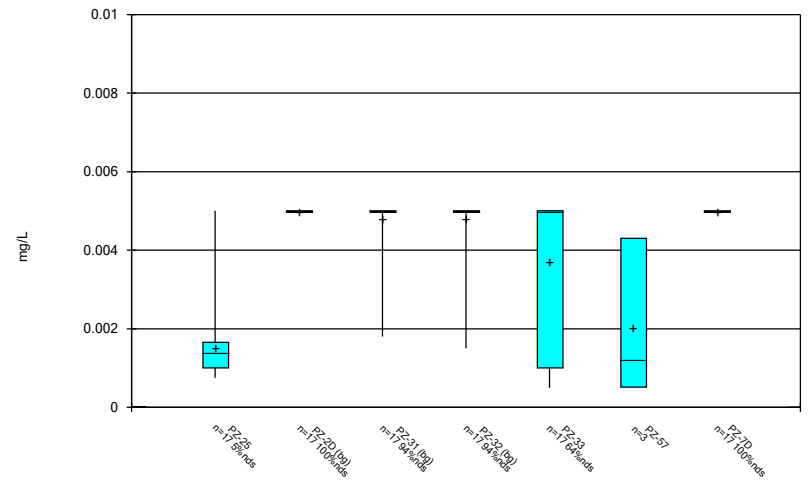
Constituent: Chromium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



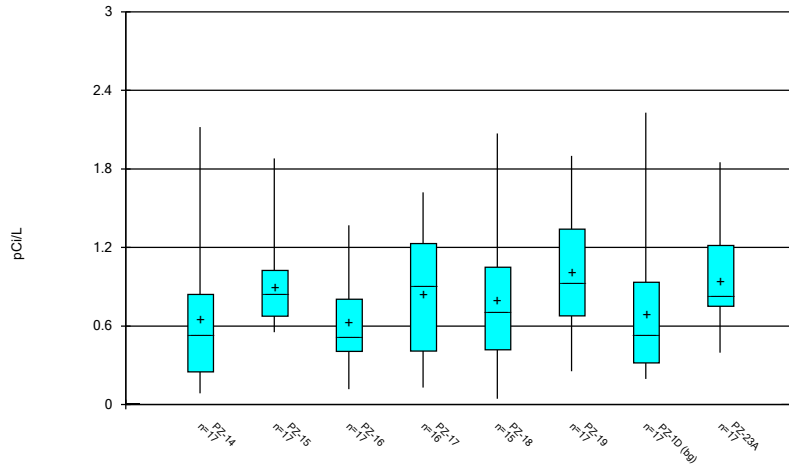
Constituent: Cobalt Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



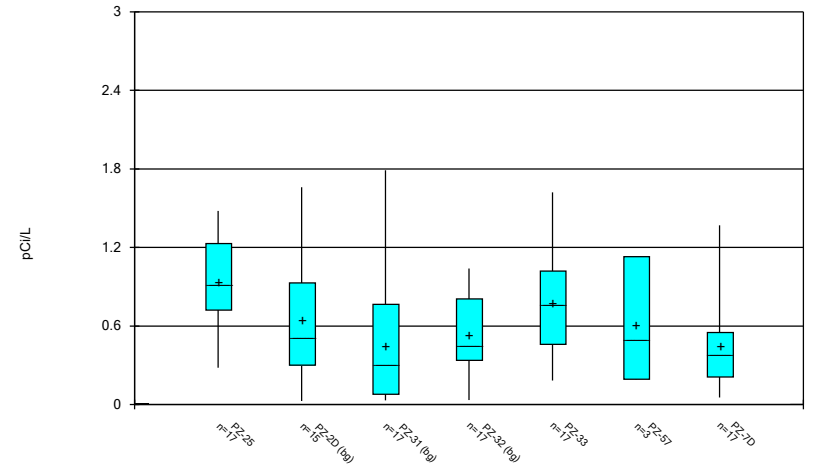
Constituent: Cobalt Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



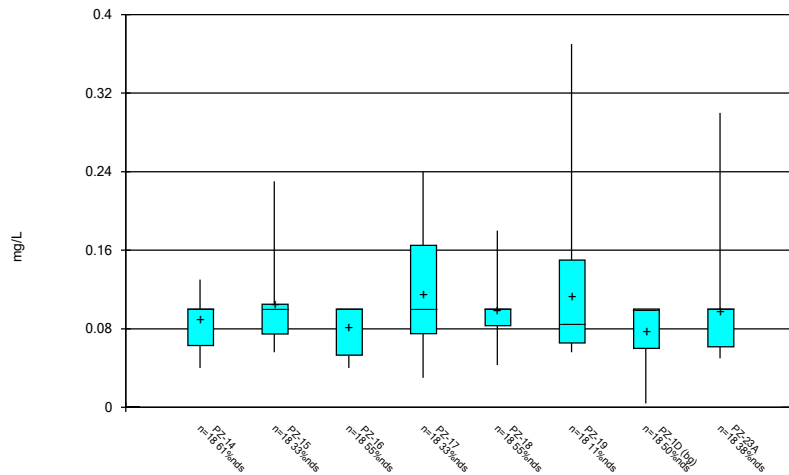
Constituent: Combined Radium 226 + 228 Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



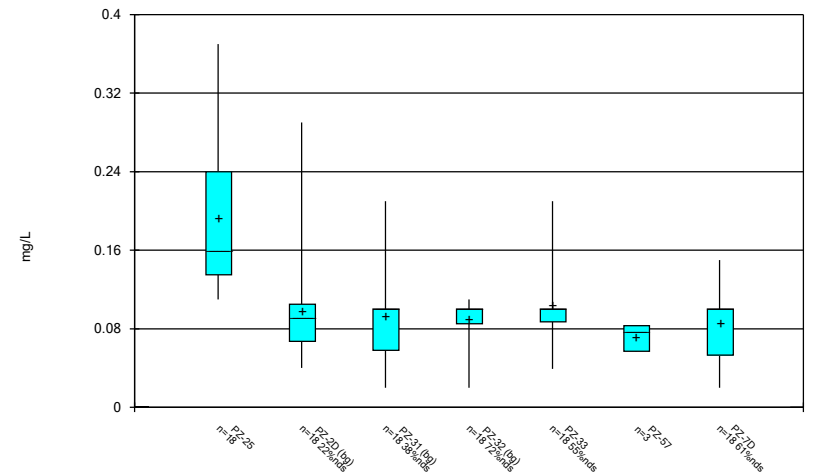
Constituent: Combined Radium 226 + 228 Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



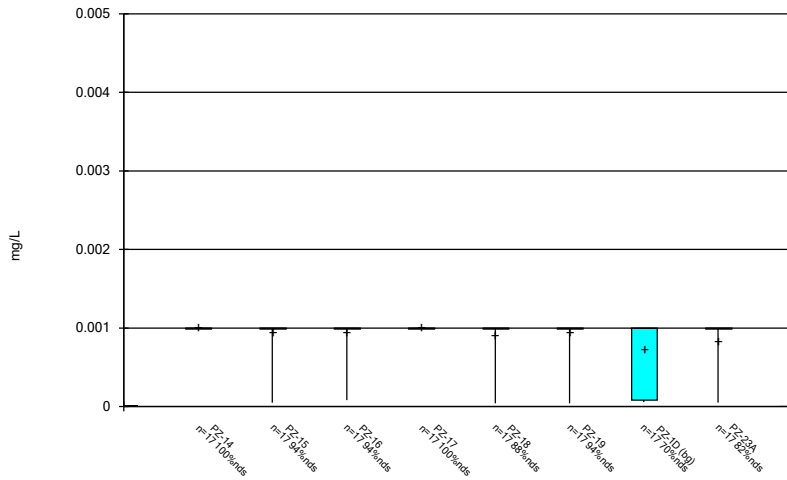
Constituent: Fluoride Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



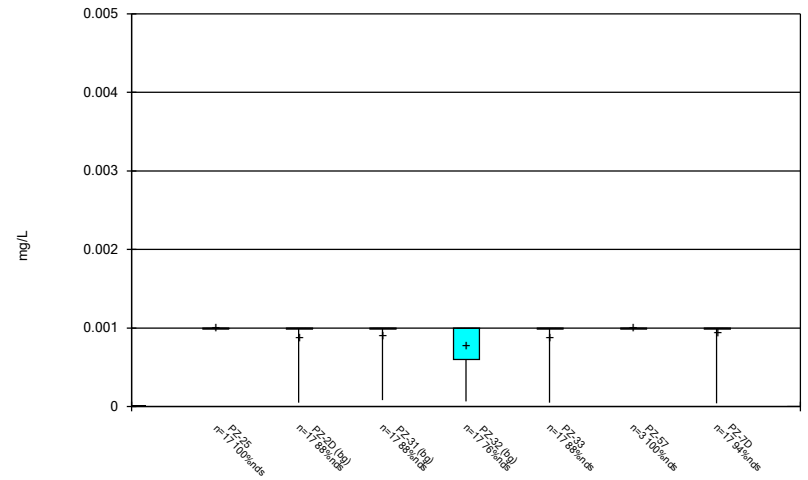
Constituent: Fluoride Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



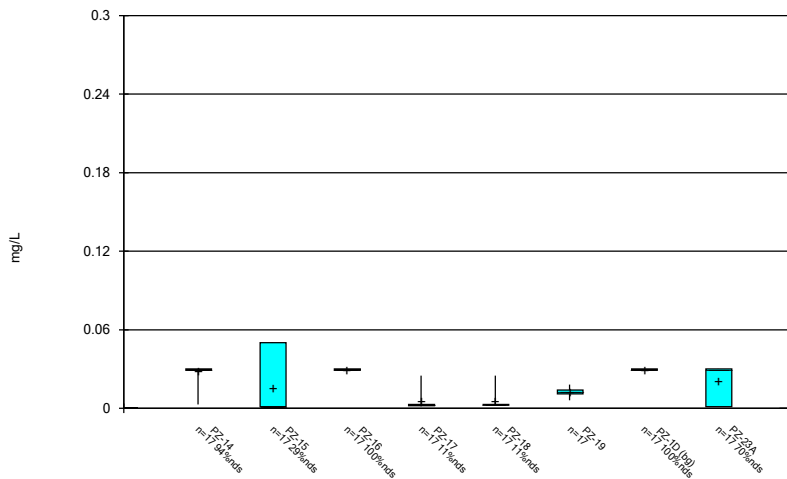
Constituent: Lead Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



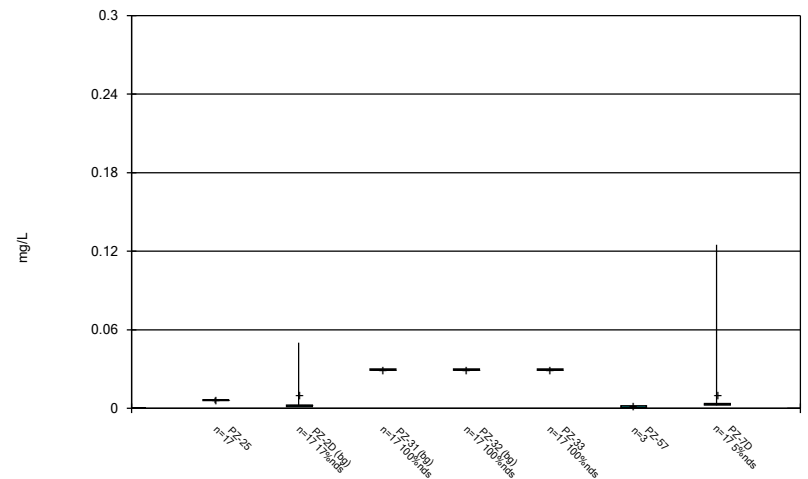
Constituent: Lead Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



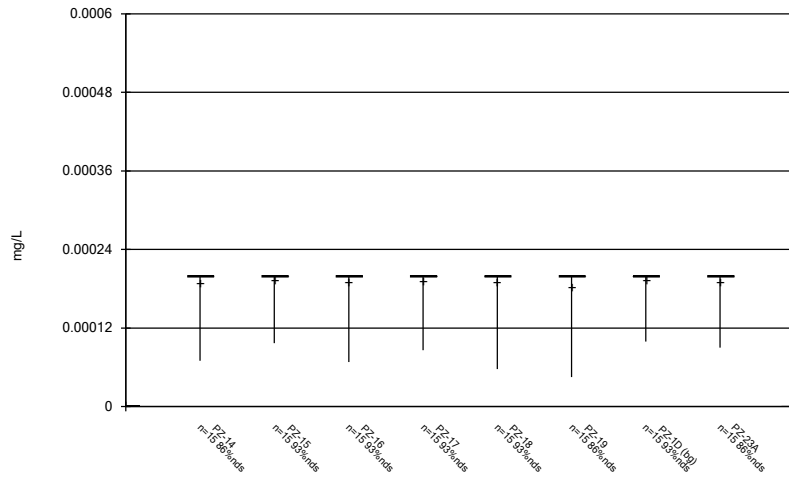
Constituent: Lithium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



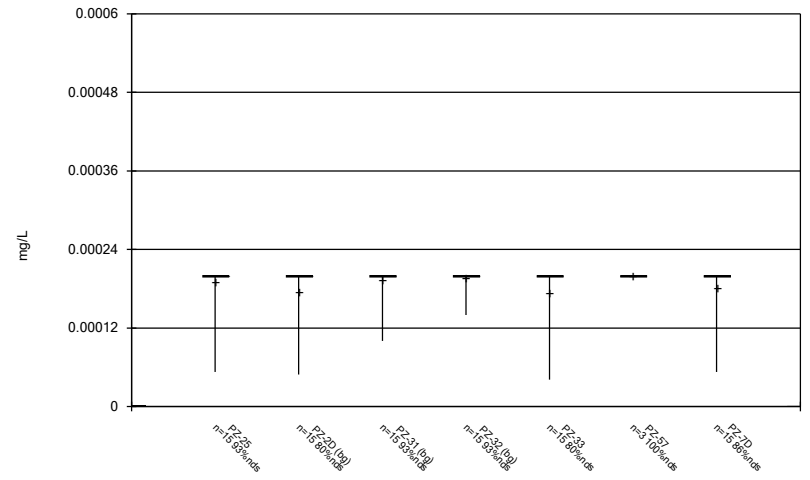
Constituent: Lithium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



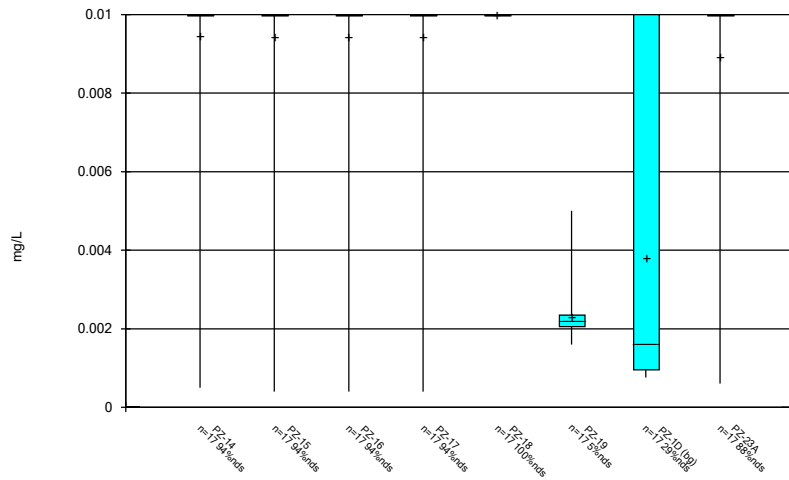
Constituent: Mercury Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



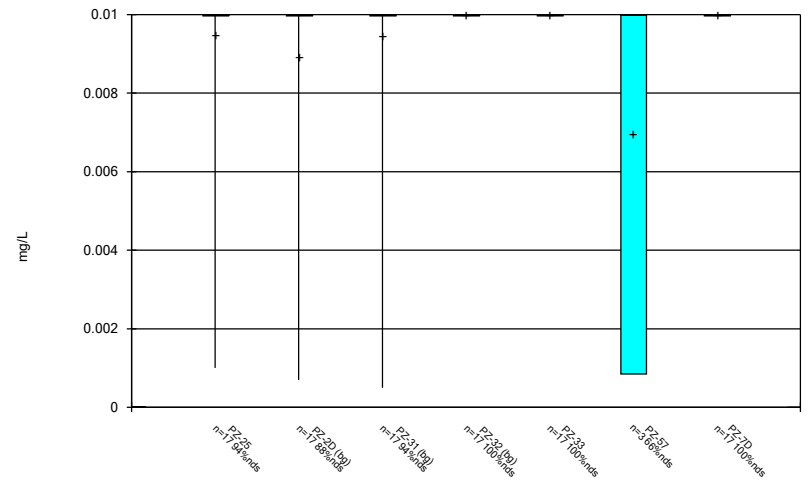
Constituent: Mercury Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



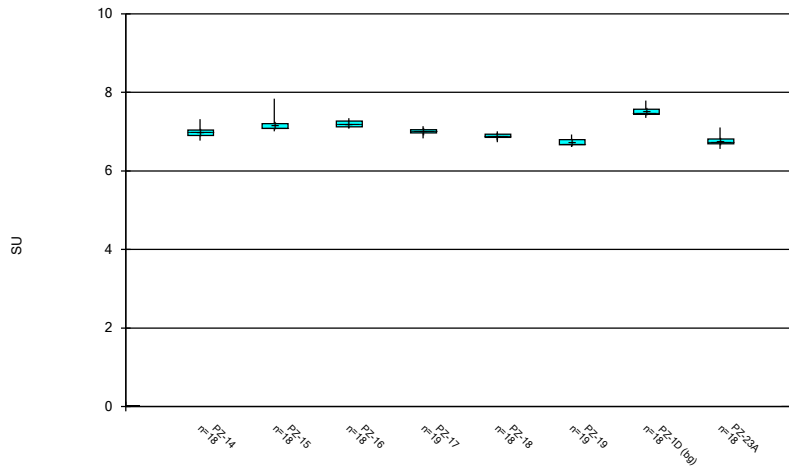
Constituent: Molybdenum Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



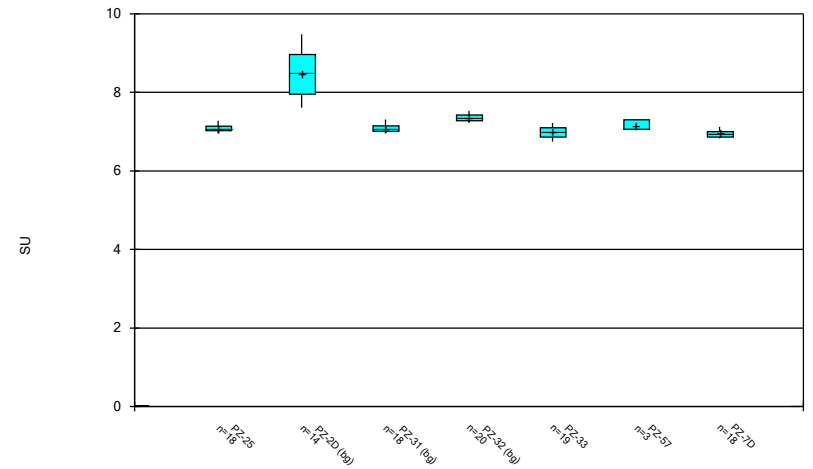
Constituent: Molybdenum Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



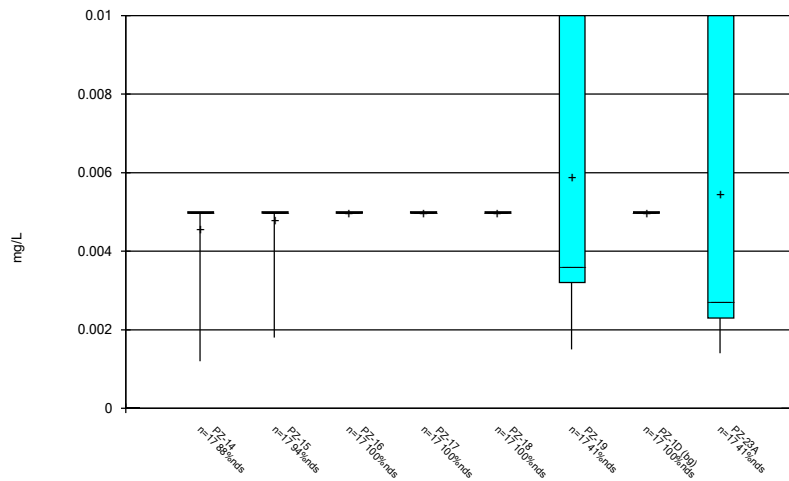
Constituent: pH Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



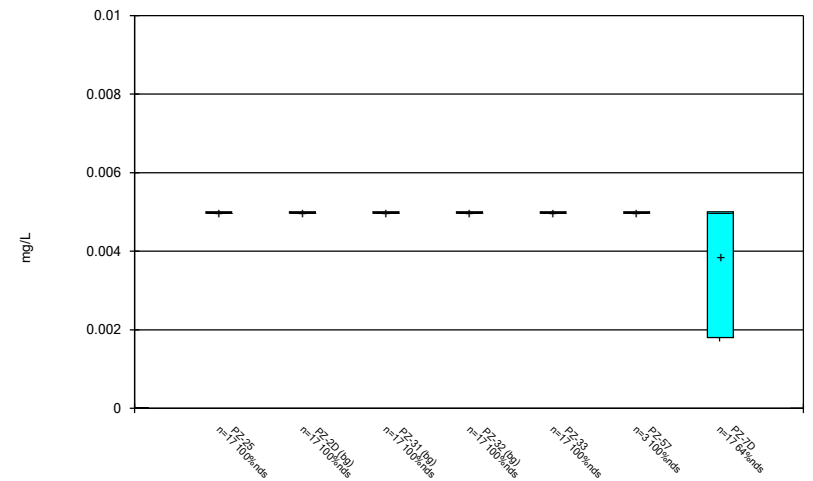
Constituent: pH Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Selenium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

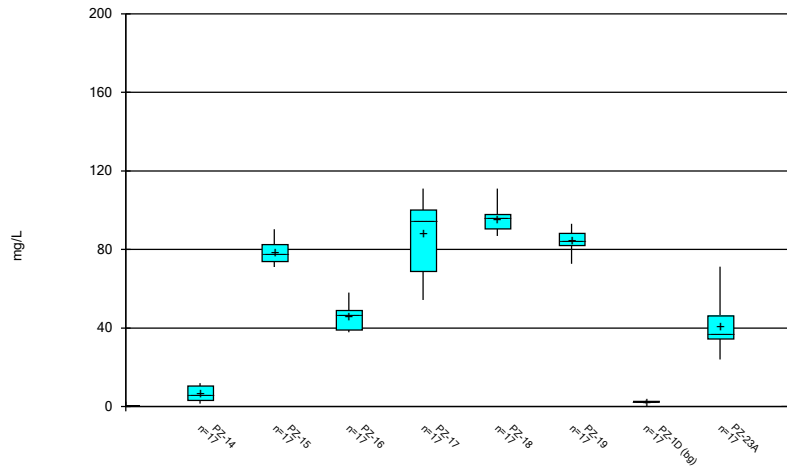
Box & Whiskers Plot



Constituent: Selenium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

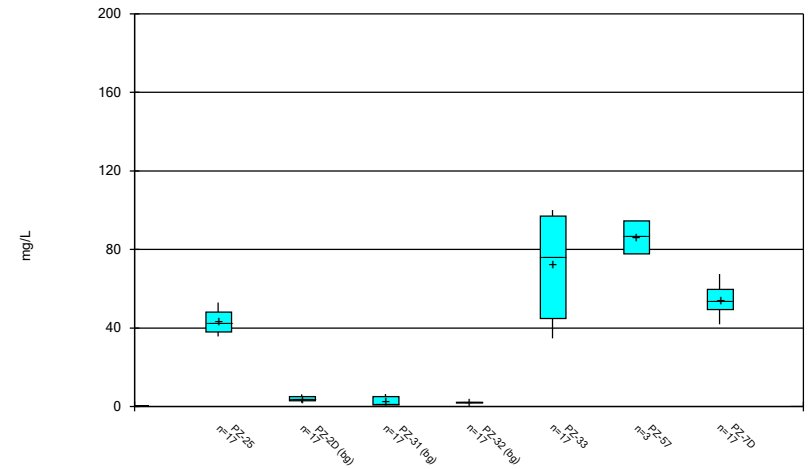


### Box & Whiskers Plot



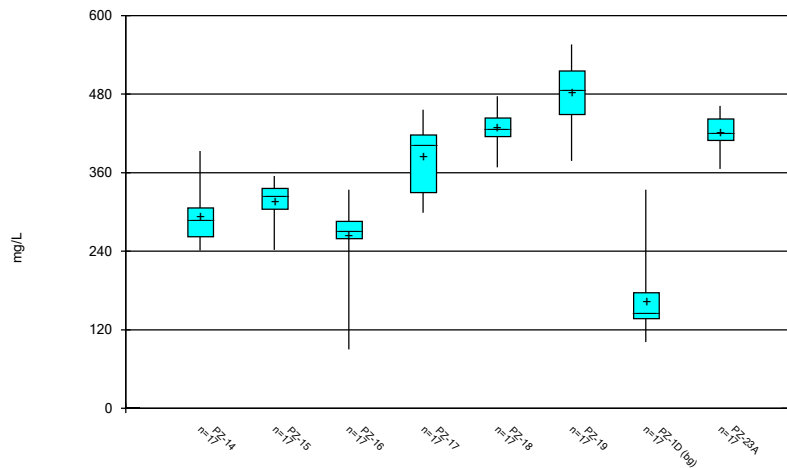
Constituent: Sulfate Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



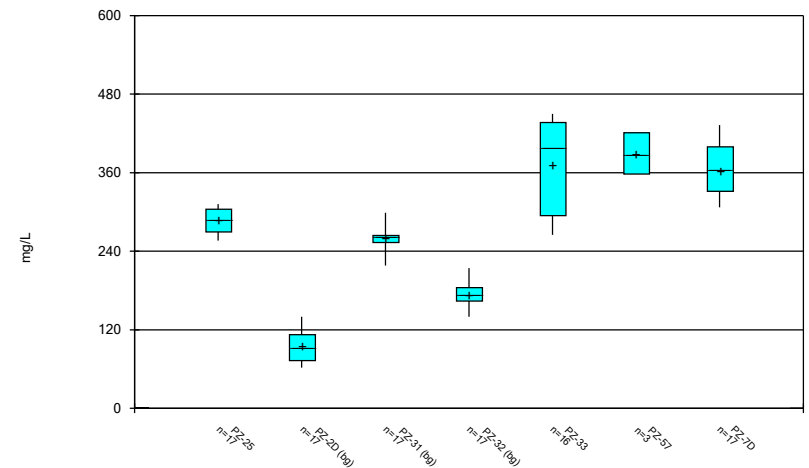
Constituent: Sulfate Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



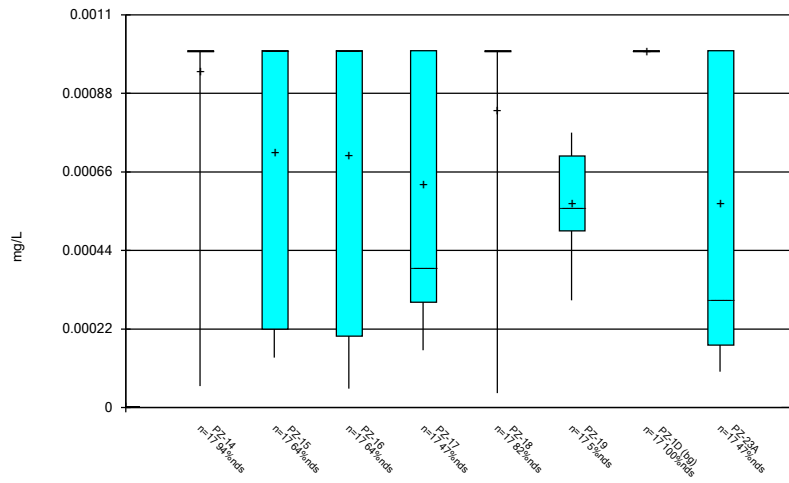
Constituent: TDS Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Box & Whiskers Plot



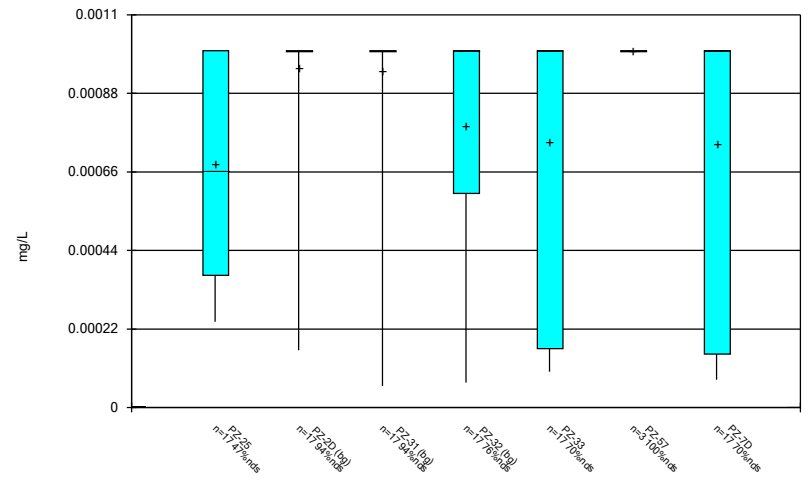
Constituent: TDS Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Thallium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Thallium Analysis Run 3/24/2023 1:44 PM View: Time Series & Box Plot  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE C.

# Outlier Summary

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/24/2023, 1:45 PM

---

	PZ-33 Barium (mg/L)	PZ-1D Calcium (mg/L)	PZ-33 pH (SU)	PZ-33 TDS (mg/L)
12/8/2016	0.162 (o)			503 (o)
7/11/2017			7.82 (o)	
7/11/2018		65.3 (o)		

FIGURE D.

# Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/27/2023, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02629	n/a	2/15/2023	0.21	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02629	n/a	2/15/2023	0.19	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02629	n/a	2/16/2023	0.15	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02629	n/a	2/15/2023	0.35	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02629	n/a	2/15/2023	0.54	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02629	n/a	2/14/2023	0.13	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02629	n/a	2/15/2023	0.17	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02629	n/a	2/16/2023	0.31	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02629	n/a	2/15/2023	0.21	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	109.9	n/a	2/15/2023	164	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	109.9	n/a	2/15/2023	144	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	109.9	n/a	2/14/2023	139	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	109.9	n/a	2/15/2023	114	Yes	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-14	4.469	n/a	2/14/2023	4.5	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.469	n/a	2/15/2023	6.2	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.469	n/a	2/15/2023	6.2	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.469	n/a	2/15/2023	4.5	Yes	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-18	9.48	6.96	2/15/2023	6.73	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	2/15/2023	6.66	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	2/14/2023	6.75	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	2/15/2023	6.92	Yes	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	6.304	n/a	2/14/2023	10	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.304	n/a	2/15/2023	75.7	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.304	n/a	2/15/2023	38.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.304	n/a	2/16/2023	54.2	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.304	n/a	2/15/2023	96.6	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.304	n/a	2/15/2023	78.8	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.304	n/a	2/14/2023	35.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.304	n/a	2/15/2023	37.1	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.304	n/a	2/16/2023	36	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.304	n/a	2/15/2023	49.9	Yes	68	1.365	0.2413	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	306.7	n/a	2/15/2023	329	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	306.7	n/a	2/15/2023	334	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	306.7	n/a	2/15/2023	477	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	306.7	n/a	2/15/2023	529	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	306.7	n/a	2/14/2023	414	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	306.7	n/a	2/15/2023	335	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2

# Interwell Prediction Limits - All Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/27/2023, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-14	0.02629	n/a	2/14/2023	0.023J	No	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-15</b>	<b>0.02629</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>0.21</b>	<b>Yes</b>	<b>68</b>	<b>-4.316</b>	<b>0.3391</b>	<b>10.29</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Boron (mg/L)	PZ-16	0.02629	n/a	2/15/2023	0.19	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02629	n/a	2/16/2023	0.15	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02629	n/a	2/15/2023	0.35	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02629	n/a	2/15/2023	0.54	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02629	n/a	2/14/2023	0.13	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02629	n/a	2/15/2023	0.17	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02629	n/a	2/16/2023	0.31	Yes	68	-4.316	0.3391	10.29	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>0.02629</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>0.21</b>	<b>Yes</b>	<b>68</b>	<b>-4.316</b>	<b>0.3391</b>	<b>10.29</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-14	109.9	n/a	2/14/2023	103	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	109.9	n/a	2/15/2023	98.1	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	109.9	n/a	2/15/2023	88.5	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	109.9	n/a	2/16/2023	94.1	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>109.9</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>164</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-19</b>	<b>109.9</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>144</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>PZ-23A</b>	<b>109.9</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>139</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Calcium (mg/L)	PZ-25	109.9	n/a	2/15/2023	86.9	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	109.9	n/a	2/16/2023	92.2	No	67	56.91	26.49	1.493	None	No	0.0007523	Param Inter 1 of 2
<b>Calcium (mg/L)</b>	<b>PZ-7D</b>	<b>109.9</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>114</b>	<b>Yes</b>	<b>67</b>	<b>56.91</b>	<b>26.49</b>	<b>1.493</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-14</b>	<b>4.469</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>4.5</b>	<b>Yes</b>	<b>68</b>	<b>1.087</b>	<b>0.2054</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-15</b>	<b>4.469</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>6.2</b>	<b>Yes</b>	<b>68</b>	<b>1.087</b>	<b>0.2054</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>4.469</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>6.2</b>	<b>Yes</b>	<b>68</b>	<b>1.087</b>	<b>0.2054</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-17	4.469	n/a	2/16/2023	3.1	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>4.469</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>4.5</b>	<b>Yes</b>	<b>68</b>	<b>1.087</b>	<b>0.2054</b>	<b>0</b>	<b>None</b>	<b>ln(x)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
Chloride (mg/L)	PZ-19	4.469	n/a	2/15/2023	4.1	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.469	n/a	2/14/2023	3.8	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-25	4.469	n/a	2/15/2023	1.8	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-33	4.469	n/a	2/16/2023	2.3	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	4.469	n/a	2/15/2023	4.3	No	68	1.087	0.2054	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	2/14/2023	0.1ND	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	2/15/2023	0.064J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	2/15/2023	0.053J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	2/16/2023	0.077J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	2/15/2023	0.1ND	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	2/15/2023	0.086J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	2/14/2023	0.084J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	2/15/2023	0.16	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	2/16/2023	0.082J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	2/15/2023	0.05J	No	72	n/a	n/a	45.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
pH (SU)	PZ-14	9.48	6.96	2/14/2023	7.04	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-15	9.48	6.96	2/15/2023	7.09	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-16	9.48	6.96	2/15/2023	7.1	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	2/16/2023	7.14	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-18</b>	<b>9.48</b>	<b>6.96</b>	<b>2/15/2023</b>	<b>6.73</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-19</b>	<b>9.48</b>	<b>6.96</b>	<b>2/15/2023</b>	<b>6.66</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>PZ-23A</b>	<b>9.48</b>	<b>6.96</b>	<b>2/14/2023</b>	<b>6.75</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
pH (SU)	PZ-25	9.48	6.96	2/15/2023	7.02	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	2/16/2023	7.13	No	70	n/a	n/a	0	n/a	n/a	0.0007693	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>PZ-7D</b>	<b>9.48</b>	<b>6.96</b>	<b>2/15/2023</b>	<b>6.92</b>	<b>Yes</b>	<b>70</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0007693</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>6.304</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>10</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-15</b>	<b>6.304</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>75.7</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>6.304</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>38.1</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-17</b>	<b>6.304</b>	<b>n/a</b>	<b>2/16/2023</b>	<b>54.2</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-18</b>	<b>6.304</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>96.6</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-19</b>	<b>6.304</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>78.8</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-23A</b>	<b>6.304</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>35.1</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-25</b>	<b>6.304</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>37.1</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-33</b>	<b>6.304</b>	<b>n/a</b>	<b>2/16/2023</b>	<b>36</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>PZ-7D</b>	<b>6.304</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>49.9</b>	<b>Yes</b>	<b>68</b>	<b>1.365</b>	<b>0.2413</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
TDS (mg/L)	PZ-14	306.7	n/a	2/14/2023	300	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
<b>TDS (mg/L)</b>	<b>PZ-15</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>329</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>TDS (mg/L)</b>	<b>PZ-16</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>334</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
TDS (mg/L)	PZ-17	306.7	n/a	2/16/2023	299	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
<b>TDS (mg/L)</b>	<b>PZ-18</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>477</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>TDS (mg/L)</b>	<b>PZ-19</b>	<b>306.7</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>529</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
<b>TDS (mg/L)</b>	<b>PZ-23A</b>	<b>306.7</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>414</b>	<b>Yes</b>	<b>68</b>	<b>172.9</b>	<b>66.93</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Inter 1 of 2</b>
TDS (mg/L)	PZ-25	306.7	n/a	2/15/2023	264	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2

# Interwell Prediction Limits - All Results

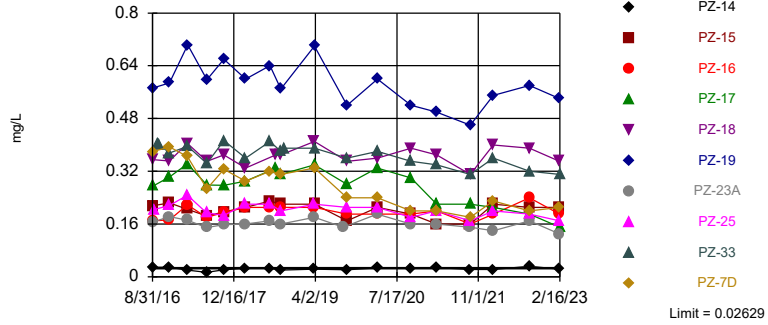
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/27/2023, 10:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	PZ-33	306.7	n/a	2/16/2023	293	No	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	306.7	n/a	2/15/2023	335	Yes	68	172.9	66.93	0	None	No	0.0007523	Param Inter 1 of 2



Exceeds Limit: PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-7D

Prediction Limit  
Interwell Parametric

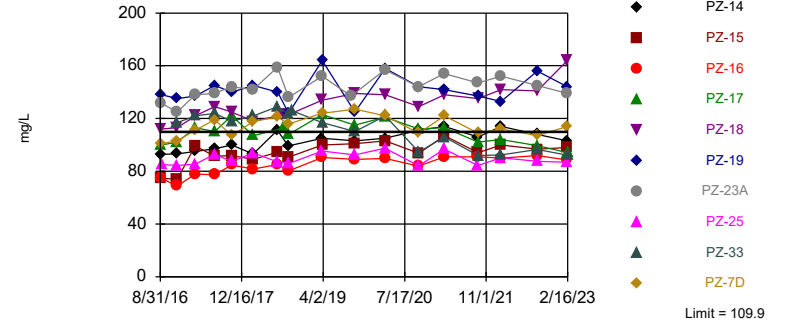


Background Data Summary (based on natural log transformation): Mean=-4.316, Std. Dev.=0.3391, n=68, 10.29% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9605, critical = 0.95. Kappa = 1.998 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Boron Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-18, PZ-19, PZ-23A, PZ-7D

Prediction Limit  
Interwell Parametric

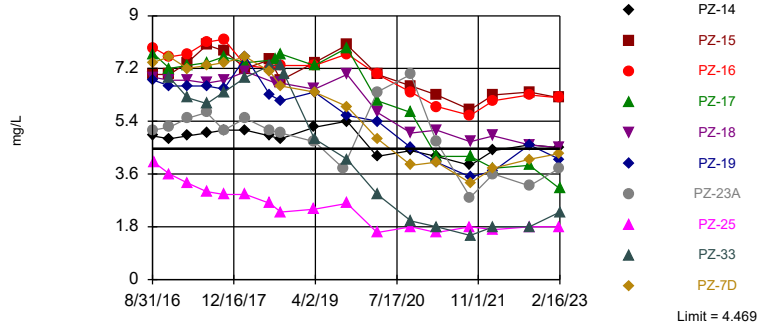


Background Data Summary: Mean=56.91, Std. Dev.=26.49, n=67, 1.493% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9657, critical = 0.949. Kappa = 2 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Calcium Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-14, PZ-15, PZ-16, PZ-18

Prediction Limit  
Interwell Parametric



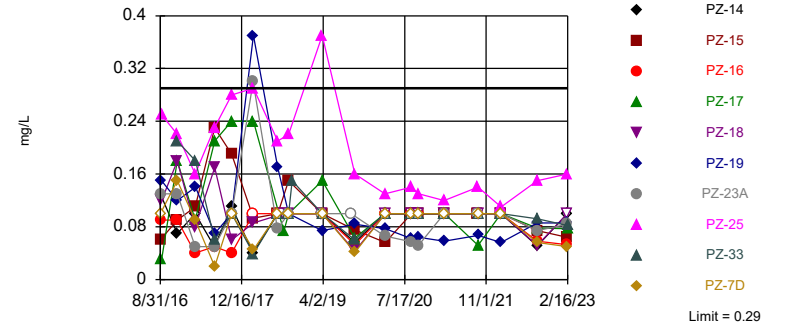
Background Data Summary (based on natural log transformation): Mean=1.087, Std. Dev.=0.2054, n=68. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9604, critical = 0.95. Kappa = 1.998 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Chloride Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Interwell Non-parametric

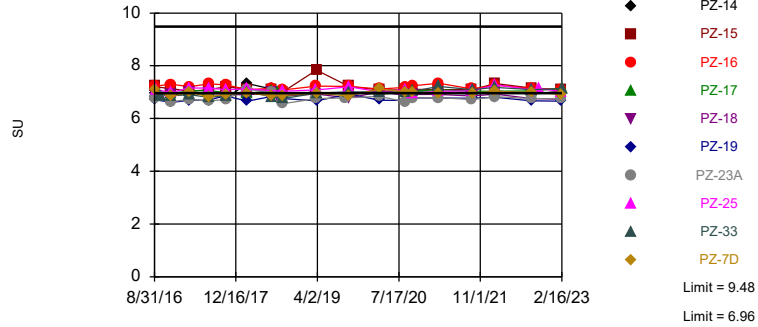


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. 45.83% NDs. Annual per-constituent alpha = 0.007317. Individual comparison alpha = 0.0003671 (1 of 2). Comparing 10 points to limit.

Constituent: Fluoride Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limits: PZ-18, PZ-19, PZ-23A, PZ-7D

Prediction Limit  
Interwell Non-parametric

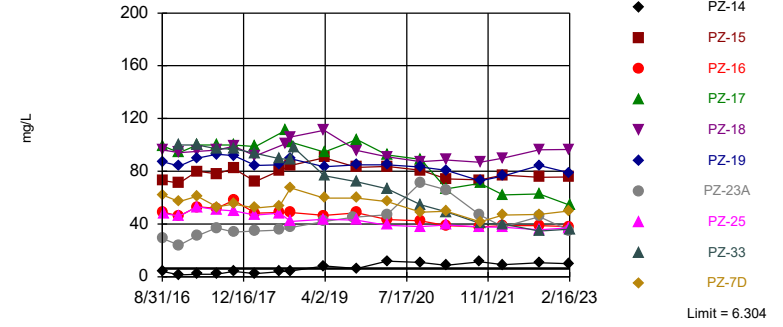


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 70 background values. Annual per-constituent alpha = 0.01533. Individual comparison alpha = 0.0007693 (1 of 2). Comparing 10 points to limit.

Constituent: pH Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-7D

Prediction Limit  
Interwell Parametric

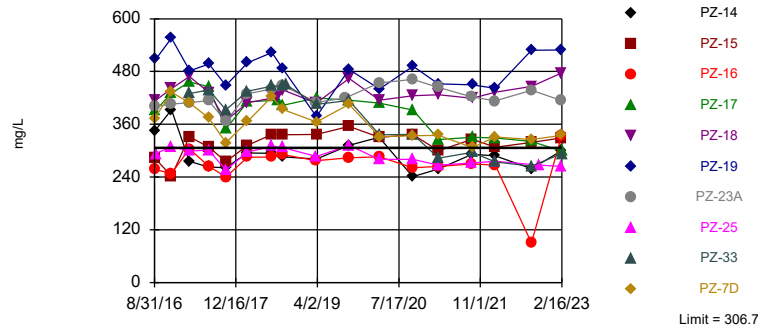


Background Data Summary (based on cube root transformation): Mean=1.365, Std. Dev.=0.2413, n=68. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9544, critical = 0.95. Kappa = 1.998 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Sulfate Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, PZ-7D

Prediction Limit  
Interwell Parametric



Background Data Summary: Mean=172.9, Std. Dev.=66.93, n=68. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9662, critical = 0.95. Kappa = 1.998 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: TDS Analysis Run 3/27/2023 10:05 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	0.0132 (J)								
8/31/2016		0.0285 (J)	0.166						
9/1/2016				0.379	0.215				
9/6/2016						0.17			
9/7/2016							0.276	0.355	0.573
9/8/2016									
10/5/2016									
10/10/2016									
10/18/2016									
12/6/2016	0.0096 (J)								
12/7/2016		0.0292 (J)	0.182	0.394	0.224	0.173			
12/8/2016							0.303	0.351	0.588
3/21/2017	0.0082 (J)	0.0198 (J)	0.172						
3/22/2017				0.365	0.205	0.218	0.342	0.405	
3/23/2017									0.703
7/11/2017	0.0067 (J)	0.0137 (J)	0.149			0.18			
7/12/2017				0.267	0.184		0.278	0.35	0.598
10/17/2017	0.0083 (J)								
10/18/2017		0.0212 (J)	0.158		0.197	0.195	0.277	0.37	
10/19/2017				0.326					0.66
2/20/2018	0.024 (J)	0.026 (J)	0.16						
2/21/2018				0.29	0.21	0.21	0.29	0.33	0.6
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	0.017 (J)	0.026 (J)	0.17						
7/12/2018				0.32	0.23	0.21			0.64
8/15/2018								0.37	
8/16/2018							0.33		
8/17/2018									
9/12/2018	0.012 (J)	0.02 (J)							
9/13/2018			0.16	0.31	0.22	0.21		0.37	
9/14/2018							0.31		0.57
10/4/2018									
10/24/2018									
3/26/2019	0.0082								
3/27/2019		0.023	0.18			0.21		0.41	
3/28/2019				0.33	0.22		0.34		0.7
9/10/2019			0.15						
10/1/2019	0.0064 (X)								
10/2/2019		0.021 (X)			0.17	0.19	0.28		
10/3/2019				0.24				0.35	0.52
3/24/2020	0.013 (J)								
3/25/2020		0.027 (J)	0.19				0.33		
3/26/2020				0.24	0.21	0.19		0.36	0.6
10/6/2020	0.015 (J)	0.026 (J)	0.16			0.19			
10/7/2020				0.2	0.19		0.3	0.39	0.52
3/3/2021	0.01 (J)	0.028 (J)	0.16						0.5
3/4/2021				0.2	0.16	0.2	0.22	0.37	
3/8/2021									
9/14/2021	<0.04								
9/15/2021		0.022 (J)	0.15		0.16	0.16			

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
9/16/2021				0.18			0.22	0.31	0.46
1/25/2022	0.01 (J)								
1/26/2022		0.022 (J)	0.14		0.22	0.19			
1/27/2022				0.23			0.21	0.4	0.55
8/24/2022	0.011 (J)								
8/25/2022		0.032 (J)	0.17 (J)	0.2	0.21	0.24	0.19 (J)	0.39	0.58
2/14/2023	0.011 (J)	0.023 (J)	0.13						
2/15/2023				0.21	0.21	0.19		0.35	0.54
2/16/2023							0.15		

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-31 (bg)	PZ-32 (bg)	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	0.204				
10/5/2016		0.404			
10/10/2016		0.401			
10/18/2016			0.0174 (J)	0.0156 (J)	
12/6/2016			0.0133 (J)		
12/7/2016				0.0157 (J)	
12/8/2016	0.216	0.375			
3/21/2017			0.0103 (J)		
3/22/2017	0.247				
3/23/2017		0.396		0.0103 (J)	
7/11/2017	0.194		<0.04	<0.04	
7/12/2017		0.343			
10/17/2017			0.0116 (J)	0.0142 (J)	
10/18/2017	0.186				
10/19/2017		0.413			
2/20/2018			0.046 (J)	0.011 (J)	
2/21/2018	0.22	0.36			
4/12/2018					0.016 (J)
5/23/2018					0.018 (J)
6/13/2018					0.014 (J)
7/11/2018			0.014 (J)	0.014 (J)	0.017 (J)
7/12/2018	0.22	0.41			
8/15/2018					
8/16/2018					
8/17/2018					0.015 (J)
9/12/2018			0.0098 (J)		0.013 (J)
9/13/2018	0.2			0.013 (J)	
9/14/2018		0.38			
10/4/2018		0.39			0.016 (J)
10/24/2018					0.018 (J)
3/26/2019			0.0076		
3/27/2019	0.22			0.012	0.016
3/28/2019		0.39			
9/10/2019					
10/1/2019				0.011 (X)	
10/2/2019	0.21		0.0084 (X)		0.011 (X)
10/3/2019		0.36			
3/24/2020					0.015 (J)
3/25/2020	0.21		0.011 (J)	0.016 (J)	
3/26/2020		0.38			
10/6/2020			0.011 (J)	0.015 (J)	0.018 (J)
10/7/2020	0.18	0.35			
3/3/2021	0.2		0.0087 (J)	0.022 (J)	
3/4/2021		0.34			
3/8/2021					0.013 (J)
9/14/2021				0.012 (J)	0.011 (J)
9/15/2021	0.17		<0.04		

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-33	PZ-31 (bg)	PZ-32 (bg)	PZ-2D (bg)
9/16/2021		0.31			
1/25/2022					0.013 (J)
1/26/2022	0.2		<0.04	0.01 (J)	
1/27/2022		0.36			
8/24/2022	0.19	0.32	<0.04	0.022 (J)	0.012 (J)
8/25/2022					
2/14/2023			<0.04	0.012 (J)	0.01 (J)
2/15/2023	0.17				
2/16/2023		0.31			



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		114	152		100	90.1			
1/27/2022				112			104	142	133
8/24/2022	45.8								
8/25/2022		108	145	107	96.7	92	99.5	141	156
2/14/2023	56.2	103	139						
2/15/2023				114	98.1	88.5		164 (M1)	144
2/16/2023							94.1		



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	85.2				
10/18/2016		57.2	88.3		
12/6/2016			83.4		
12/7/2016		52.8			
12/8/2016	84.5			117	
3/21/2017			94		
3/22/2017	85.3				
3/23/2017		59.1		122	
7/11/2017	93	59.7	86		
7/12/2017				124	
10/17/2017		64.9	91.6		
10/18/2017	87.6				
10/19/2017				118	
2/20/2018		64.1	86.5		
2/21/2018	93.9			122	
4/12/2018					<25
5/23/2018					17.6 (J)
6/13/2018					14.3
7/11/2018		60.4	95.4		15.6
7/12/2018	87.1			129	
8/15/2018					
8/16/2018					
8/17/2018					27
9/12/2018			86		26.9
9/13/2018	85.8	58.7			
9/14/2018				123	
10/4/2018				126	25
10/24/2018					23.8
3/26/2019			87.3		
3/27/2019	95.2	54.6			26.1
3/28/2019				117	
9/10/2019					
10/1/2019		64.3			
10/2/2019	92.3		95.5		21
10/3/2019				110	
3/24/2020					26.5
3/25/2020	97.5	66.6	95.8		
3/26/2020				122	
10/6/2020		62.8	98.8		22.7
10/7/2020	84.2			94.7	
3/3/2021	96.8	64.8 (M1)	104		
3/4/2021				106	
3/8/2021					41.7
9/14/2021		67.8			13.4
9/15/2021	84.4		101		
9/16/2021				92	
1/25/2022					20.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	90.2	69.2	102		
1/27/2022				92.5	
8/24/2022	87.6	67.1	95.2	96.5	27.3
8/25/2022					
2/14/2023		69.3	99.9		30.2
2/15/2023	86.9				
2/16/2023				92.2	



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		4.4	3.6	6.3		6.1			
1/27/2022					3.8		3.8	4.9	3.7
8/24/2022	2.6								
8/25/2022		4.6	3.2	6.4	4.1	6.3	3.9	4.6	4.6
2/14/2023	3	4.5	3.8						
2/15/2023				6.2	4.3	6.2		4.5	4.1
2/16/2023							3.1		

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	4				
10/18/2016		3.5	4.5		
12/6/2016			5		
12/7/2016		3.2			
12/8/2016	3.6			6.9	
3/21/2017			4.3		
3/22/2017	3.3				
3/23/2017		2.9		6.2	
7/11/2017	3	3.1	4.7		
7/12/2017				6	
10/17/2017		3	4.6		
10/18/2017	2.9				
10/19/2017				6.4	
2/20/2018		3	4.4		
2/21/2018	2.9			6.9	
4/12/2018					2.6
5/23/2018					2.5
6/13/2018					2.5
7/11/2018		2.8	4		2.6
7/12/2018	2.6			7.3	
8/15/2018					
8/16/2018					
8/17/2018					2.6
9/12/2018			3.7		2.3
9/13/2018	2.3	2.2			
9/14/2018				7.3	
10/4/2018				7	2.7
10/24/2018					2.8
3/26/2019			3.8		
3/27/2019	2.4	3.1			2.5
3/28/2019				4.8	
9/10/2019					
10/1/2019		3.1			
10/2/2019	2.6		4.3		2.7
10/3/2019				4.1	
3/24/2020					2.2
3/25/2020	1.6	2.2	3		
3/26/2020				2.9	
10/6/2020		2.3	3.4		2.3
10/7/2020	1.8			2	
3/3/2021	1.6	2.2	3.1		
3/4/2021				1.8	
3/8/2021					2.4
9/14/2021		2.2			2.5
9/15/2021	1.8		2.8		
9/16/2021				1.5	
1/25/2022					2.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	1.7	2.4	3.2		
1/27/2022				1.8	
8/24/2022	1.8	2.7	3	1.8	2.1
8/25/2022					
2/14/2023		2.7	3.3		2.6
2/15/2023	1.8				
2/16/2023				2.3	

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-18	PZ-19	PZ-17
8/30/2016	0.06 (J)								
8/31/2016		0.13 (J)	0.13 (J)						
9/1/2016				<0.1	0.06 (J)				
9/6/2016						0.09 (J)			
9/7/2016							0.12 (J)	0.15 (J)	0.03 (J)
9/8/2016									
10/18/2016									
12/6/2016	0.06 (J)								
12/7/2016		0.07 (J)	0.13 (J)	0.15 (J)	0.09 (J)	0.09 (J)			
12/8/2016							0.18 (J)	0.12 (J)	0.18 (J)
3/21/2017	0.004 (J)	<0.1	0.05 (J)						
3/22/2017				0.09 (J)	0.11 (J)	0.04 (J)	0.08 (J)		0.09 (J)
3/23/2017								0.14 (J)	
7/11/2017	0.05 (J)	0.05 (J)	0.05 (J)			0.05 (J)			
7/12/2017				0.02 (J)	0.23 (J)		0.17 (J)	0.07 (J)	0.21 (J)
10/17/2017	<0.1								
10/18/2017		0.11 (J)	<0.1		0.19 (J)	0.04 (J)	0.06 (J)		0.24 (J)
10/19/2017				<0.1				<0.1	
2/20/2018	0.098 (J)	0.04 (J)	0.3 (J)						
2/21/2018				0.045 (J)	0.093 (J)	<0.1	0.086 (J)	0.37	0.24 (J)
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	<0.1	<0.1	0.077 (J)						
7/12/2018				<0.1	<0.1	<0.1		0.17 (J)	
8/15/2018							<0.1		
8/16/2018									0.073 (J)
8/17/2018									
9/12/2018	0.034 (J)	<0.1							
9/13/2018			<0.1	<0.1	0.15 (J)	<0.1	<0.1		
9/14/2018								<0.1	<0.1
10/4/2018									
10/24/2018									
3/26/2019	<0.1								
3/27/2019		<0.1	<0.1			<0.1	<0.1		
3/28/2019				<0.1	0.1			0.074	0.15
9/10/2019			<0.1						
10/1/2019	0.062 (X)								
10/2/2019		0.056 (X)			0.075 (X)	0.053 (X)			0.063 (X)
10/3/2019				0.041 (X)			0.043 (X)	0.084 (X)	
3/24/2020	<0.1								
3/25/2020		<0.1	0.066 (J)						<0.1
3/26/2020				<0.1	0.056 (J)	<0.1	<0.1	0.077 (J)	
8/25/2020	<0.1								
8/26/2020		<0.1	0.057 (J)	<0.1	<0.1	<0.1		0.062 (J)	<0.1
8/27/2020							<0.1		
10/6/2020	<0.1	<0.1	0.052 (J)			<0.1			
10/7/2020				<0.1	<0.1		<0.1	0.064 (J)	<0.1
3/3/2021	<0.1	<0.1	<0.1					0.058 (J)	
3/4/2021				<0.1	<0.1	<0.1	<0.1		<0.1
3/8/2021									
9/14/2021	<0.1								

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/27/2023 10:06 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-18	PZ-19	PZ-17
9/15/2021		<0.1	<0.1		<0.1	<0.1			
9/16/2021				<0.1			<0.1	0.067 (J)	0.052 (J)
1/25/2022	<0.1								
1/26/2022		<0.1	<0.1		<0.1	<0.1			
1/27/2022				<0.1			<0.1	0.056 (J)	<0.1
8/24/2022	0.08 (J)								
8/25/2022		0.051 (J)	0.074 (J)	0.056 (J)	0.074 (J)	0.058 (J)	0.052 (J)	0.086 (J)	0.078 (J)
2/14/2023	0.063 (J)	<0.1	0.084 (J)						
2/15/2023				0.05 (J)	0.064 (J)	0.053 (J)	<0.1	0.086 (J)	
2/16/2023									0.077 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	0.25 (J)				
10/18/2016		0.11 (J)	0.16 (J)		
12/6/2016			0.15 (J)		
12/7/2016		0.07 (J)			
12/8/2016	0.22 (J)			0.21 (J)	
3/21/2017			0.02 (J)		
3/22/2017	0.16 (J)				
3/23/2017		<0.1		0.18 (J)	
7/11/2017	0.23 (J)	0.02 (J)	0.06 (J)		
7/12/2017				0.06 (J)	
10/17/2017		<0.1	0.05 (J)		
10/18/2017	0.28 (J)				
10/19/2017				<0.1	
2/20/2018		<0.1	0.21 (J)		
2/21/2018	0.29 (J)			0.039 (J)	
4/12/2018					<0.1
5/23/2018					0.063 (J)
6/13/2018					0.11 (J)
7/11/2018		<0.1	0.087 (J)		<0.1
7/12/2018	0.21 (J)			<0.1	
8/15/2018					
8/16/2018					
8/17/2018					<0.1
9/12/2018			0.049 (J)		0.093 (J)
9/13/2018	0.22 (J)	<0.1			
9/14/2018				<0.1	
10/4/2018				0.15 (J)	0.15 (J)
10/24/2018					0.29 (J)
3/26/2019			<0.1		
3/27/2019	0.37	<0.1			0.04
3/28/2019				<0.1	
9/10/2019					
10/1/2019		0.042 (X)			
10/2/2019	0.16 (X)		0.057 (X)		0.11 (X)
10/3/2019				0.06 (X)	
3/24/2020					0.051 (J)
3/25/2020	0.13 (J)	<0.1	<0.1		
3/26/2020				<0.1	
8/25/2020		<0.1	<0.1		
8/26/2020	0.14			<0.1	0.057 (J)
8/27/2020					
10/6/2020		<0.1	<0.1		0.073 (J)
10/7/2020	0.13			<0.1	
3/3/2021	0.12	<0.1	<0.1		
3/4/2021				<0.1	
3/8/2021					<0.1
9/14/2021		<0.1			0.089 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
9/15/2021	0.14		<0.1		
9/16/2021				<0.1	
1/25/2022					0.071 (J)
1/26/2022	0.11	<0.1	<0.1		
1/27/2022				<0.1	
8/24/2022	0.15	0.058 (J)	0.069 (J)	0.092 (J)	0.088 (J)
8/25/2022					
2/14/2023		<0.1	0.059 (J)		0.076 (J)
2/15/2023	0.16				
2/16/2023				0.082 (J)	





# Prediction Limit

Constituent: pH (SU) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	7.1				
10/4/2016		6.88			
10/5/2016		6.91			
10/17/2016			7.43		
10/18/2016			7.45	7.15	
12/6/2016				7.04	
12/7/2016			7.29		
12/8/2016	6.98	6.86			
3/21/2017				7.01	
3/22/2017	7.16				
3/23/2017		6.9	7.26		
7/11/2017	7.15	7.82 (o)	7.31	6.96	
7/12/2017		6.81			
10/17/2017			7.29	7.31	7.61
10/18/2017	7.09				
10/19/2017		6.86			
2/20/2018			7.26		
2/21/2018	7.12	7.02			
7/11/2018			7.39	7.26	9.48
7/12/2018		6.82		7.01	
8/15/2018					
8/16/2018					
9/12/2018				7.02	9.07
9/13/2018	7.03		7.25		
9/14/2018		6.75			
3/26/2019				7	
3/27/2019	7.08		7.42		8.76
3/28/2019		6.96			
9/10/2019					
10/1/2019			7.43		
10/2/2019	7.2			7.09	8.97
10/3/2019		7.01			
3/24/2020					8.57
3/25/2020	7.01		7.23	7.15	
3/26/2020		7			
8/25/2020			7.53	7.14	
8/26/2020	7.09	6.99			7.97
8/27/2020					
10/6/2020			7.27	7.01	8.72
10/7/2020	6.95	7.04			
3/3/2021	7.04		7.41	7.14	
3/4/2021		7.22			
3/8/2021					7.77
9/14/2021			7.31		8.96
9/15/2021	7.05			6.99	
9/16/2021		7.1			
1/25/2022					8.4

# Prediction Limit

Constituent: pH (SU) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
1/26/2022	7.28		7.44	7.1	
1/27/2022		7.18			
8/24/2022	7.1	7.1	7.34	7.04	8.01
8/25/2022					
10/11/2022	7.13		7.37		7.94
2/14/2023			7.36	7.09	7.97
2/15/2023	7.02				
2/16/2023		7.13			



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		9.1	37.8	77.2		38.9			
1/27/2022					46.7		62.1	89.9 (M1)	76.3
8/24/2022	2.2								
8/25/2022		10.7	45.6	75.5	47.3	38.7	62.7	96.3	84.4
2/14/2023	1.6	10	35.1						
2/15/2023				75.7 (M1)	49.9	38.1		96.6	78.8
2/16/2023							54.2		



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	48				
10/18/2016		2.3	2.2		
12/6/2016			6.1		
12/7/2016		1.9			
12/8/2016	46			100	
3/21/2017			5.7		
3/22/2017	53				
3/23/2017		1.7		100	
7/11/2017	51	1.8	4.8		
7/12/2017				97	
10/17/2017		1.9	6.4		
10/18/2017	50				
10/19/2017				97	
2/20/2018		2.1	5.2		
2/21/2018	46.8			93.6	
4/12/2018					4.8 (J)
5/23/2018					4.5
6/13/2018					5.3
7/11/2018		2	3.6		5.4
7/12/2018	48.3			89.4	
8/15/2018					
8/16/2018					
8/17/2018					4.5
9/12/2018			2.7		4.4
9/13/2018	42	2.1			
9/14/2018				88.9	
10/4/2018				97.8	5.8
10/24/2018					6.2
3/26/2019			1.6		
3/27/2019	43.7	2.4			3.7
3/28/2019				76.7	
9/10/2019					
10/1/2019		2.2			
10/2/2019	43		1.6		4.1
10/3/2019				72.1	
3/24/2020					3.1
3/25/2020	39.1	1.9	1.5		
3/26/2020				66.6	
10/6/2020		1.9	0.98 (J)		3.1
10/7/2020	38.1			54.6	
3/3/2021	39.2	2	0.6 (J)		
3/4/2021				49.3	
3/8/2021					2.7
9/14/2021		1.8			3.8
9/15/2021	37.8		0.64 (J)		
9/16/2021				40.4	
1/25/2022					2.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	37.5	1.9	0.69 (J)		
1/27/2022				40	
8/24/2022	35.7	1.7	0.56 (J)	34.7	2
8/25/2022					
2/14/2023		2	0.89 (J)		2.6
2/15/2023	37.1				
2/16/2023				36	



# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		288	413	308		267			
1/27/2022					331		329	433	442
8/24/2022	139								
8/25/2022		259	437	319	325	90	321	446	528
10/11/2022									
2/14/2023	200	300	414						
2/15/2023				329	335 (D6)	334		477	529
2/16/2023							299		

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	293				
10/18/2016		264	152		
12/6/2016		299			
12/7/2016			214		
12/8/2016	309			503 (o)	
3/21/2017		260			
3/22/2017	299				
3/23/2017			165	430	
7/11/2017	301	244	162		
7/12/2017				438	
10/17/2017		218	140		
10/18/2017	256				
10/19/2017				393	
2/20/2018		264	163		
2/21/2018	297			435	
4/12/2018					69
5/23/2018					62
6/13/2018					93
7/11/2018		273	192		84
7/12/2018	310			447	
8/15/2018					
8/16/2018					
8/17/2018					115
9/12/2018		252			97
9/13/2018	307		192		
9/14/2018				447	
10/4/2018				450	103
10/24/2018					110
3/26/2019		253			
3/27/2019	287		167		87
3/28/2019				405	
9/10/2019					
10/1/2019			187		
10/2/2019	312	263			95
10/3/2019				414	
3/24/2020					123
3/25/2020	280	278	178		
3/26/2020				336	
10/6/2020		254	169		81
10/7/2020	280			337	
3/3/2021	267	264	166		
3/4/2021				283	
3/8/2021					126
9/14/2021			179		71
9/15/2021	272	256			
9/16/2021				296	
1/25/2022					68

# Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/27/2023 10:07 AM View: Interwell PL  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	276	262	182		
1/27/2022				274	
8/24/2022		261		265	
8/25/2022					
10/11/2022	267		173		75
2/14/2023		257	177		140
2/15/2023	264				
2/16/2023				293	

FIGURE E.

# Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/27/2023, 3:46 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)	PZ-33	-0.01357	-95	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D	-0.03053	-92	-63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	5.157	99	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)	1.861	68	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	2.432	79	63	Yes	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-32 (bg)	1.923	86	63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15	-0.2261	-66	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16	-0.3078	-86	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18	-0.3963	-98	-63	Yes	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.3077	-92	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.574	91	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16	-2.492	-95	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-17	-6.421	-73	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19	-1.705	-73	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	3.597	78	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-2.402	-106	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)	-0.6054	-84	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-0.845	-99	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-12.24	-122	-63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D	-1.876	-65	-63	Yes	17	0	n/a	n/a	0.01	NP



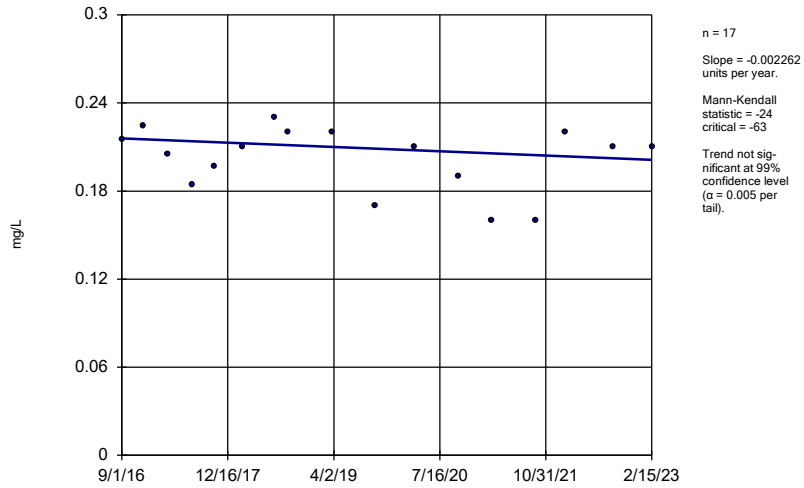
# Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/27/2023, 3:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-15	-0.002262	-24	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	6	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-17	-0.01801	-54	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18	0	8	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.0175	-50	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0003079	13	63	No	17	5.882	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A	-0.003353	-36	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25	-0.005802	-56	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	-0.001099	-59	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0	9	63	No	17	29.41	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	-0.0001065	-7	-63	No	17	5.882	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>PZ-33</b>	<b>-0.01357</b>	<b>-95</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>PZ-7D</b>	<b>-0.03053</b>	<b>-92</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-18</b>	<b>5.157</b>	<b>99</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-19	0.9112	16	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>PZ-1D (bg)</b>	<b>1.861</b>	<b>68</b>	<b>58</b>	<b>Yes</b>	<b>16</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-23A	2.216	47	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	2.169	44	63	No	17	5.882	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>2.432</b>	<b>79</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>PZ-32 (bg)</b>	<b>1.923</b>	<b>86</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	PZ-7D	1.139	23	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-14	-0.1015	-41	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-15</b>	<b>-0.2261</b>	<b>-66</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-16</b>	<b>-0.3078</b>	<b>-86</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>PZ-18</b>	<b>-0.3963</b>	<b>-98</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-1D (bg)	-0.06706	-46	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.03387	-29	-63	No	17	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.3077</b>	<b>-92</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	PZ-32 (bg)	-0.1391	-61	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.02277	-54	-68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0	-1	-74	No	19	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)	-0.01862	-42	-68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.008875	23	68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.2315	-34	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	-0.002286	-8	-68	No	18	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	0.004247	12	81	No	20	0	n/a	n/a	0.01	NP
pH (SU)	PZ-7D	0.0113	22	68	No	18	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-14</b>	<b>1.574</b>	<b>91</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-15	0.2902	8	63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-16</b>	<b>-2.492</b>	<b>-95</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-17</b>	<b>-6.421</b>	<b>-73</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-18	-0.8536	-19	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-19</b>	<b>-1.705</b>	<b>-73</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-1D (bg)	-0.02139	-10	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-23A</b>	<b>3.597</b>	<b>78</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-25</b>	<b>-2.402</b>	<b>-106</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-2D (bg)</b>	<b>-0.6054</b>	<b>-84</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-31 (bg)</b>	<b>-0.845</b>	<b>-99</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	PZ-32 (bg)	0	-12	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>PZ-33</b>	<b>-12.24</b>	<b>-122</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>PZ-7D</b>	<b>-1.876</b>	<b>-65</b>	<b>-63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
TDS (mg/L)	PZ-15	3.788	23	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-16	0.5318	5	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-18	3.261	29	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19	-5.143	-18	-63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)	2.66	31	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	4.898	49	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	4.561	20	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	-0.3587	-5	-63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	2.063	25	63	No	17	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D	-11.45	-63	-63	No	17	0	n/a	n/a	0.01	NP

### Sen's Slope Estimator

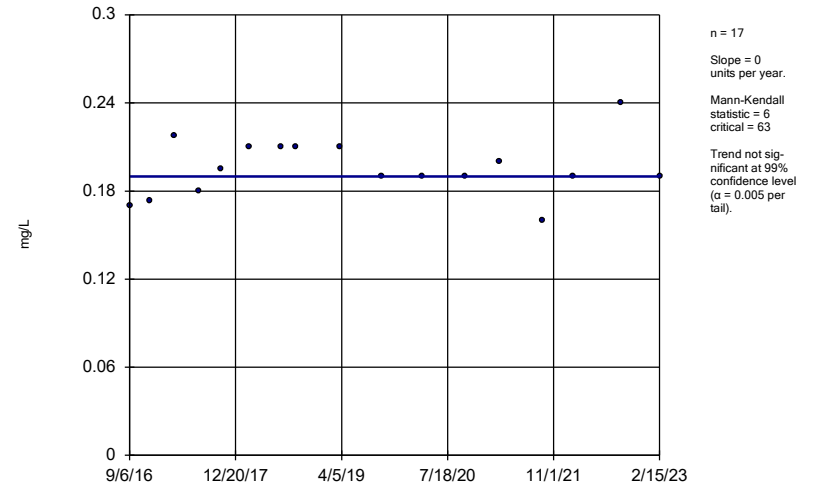
PZ-15



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

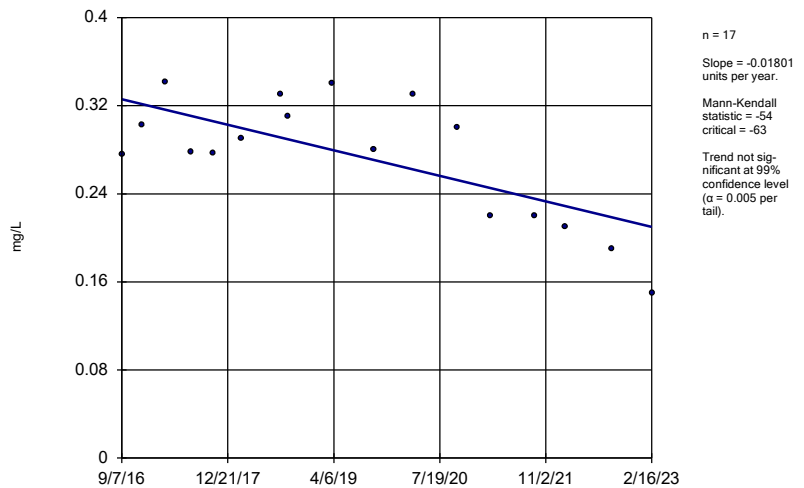
PZ-16



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

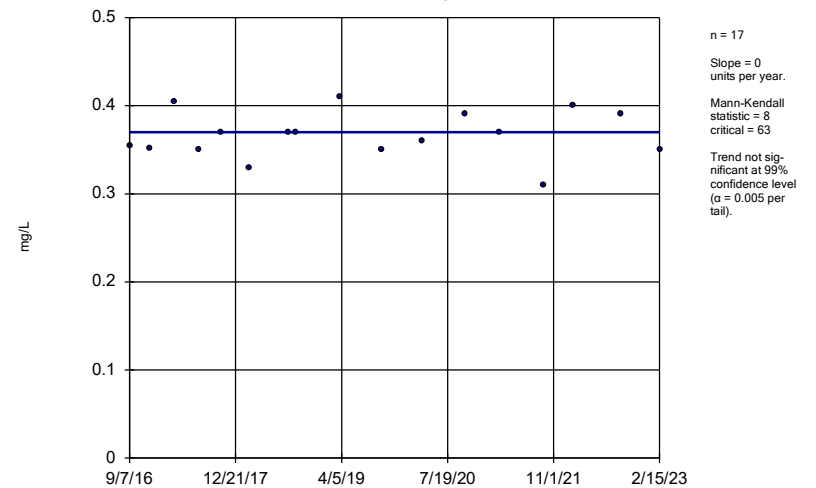
PZ-17



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

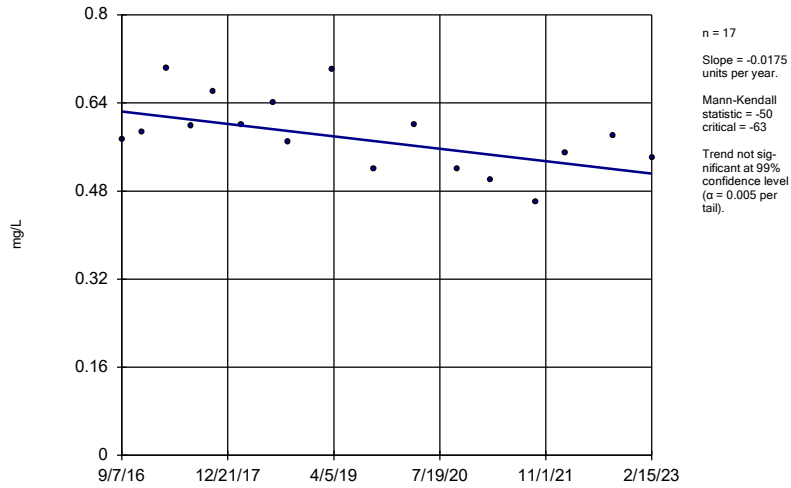
PZ-18



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-19

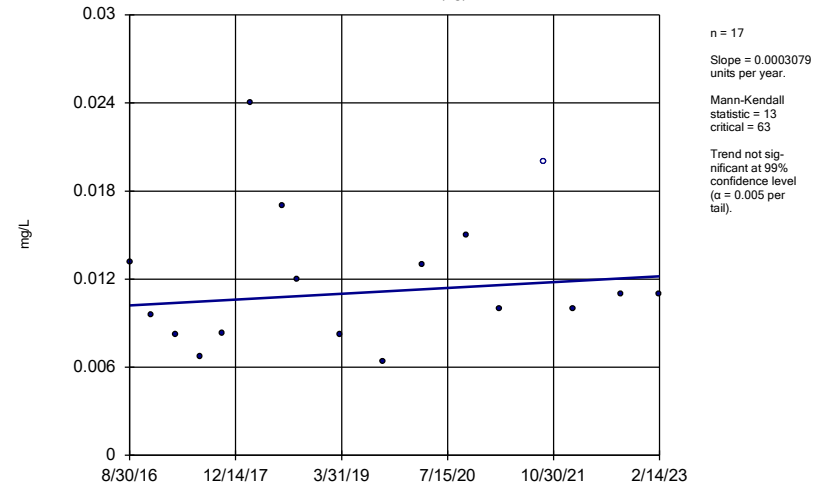


Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

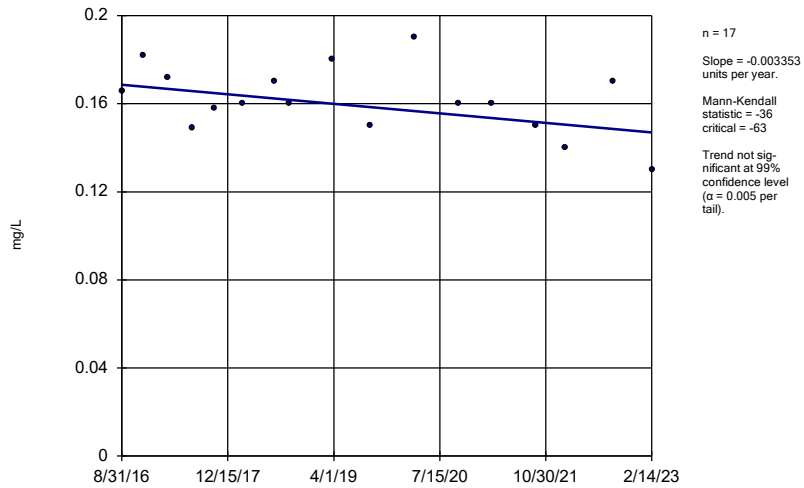
PZ-1D (bg)



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

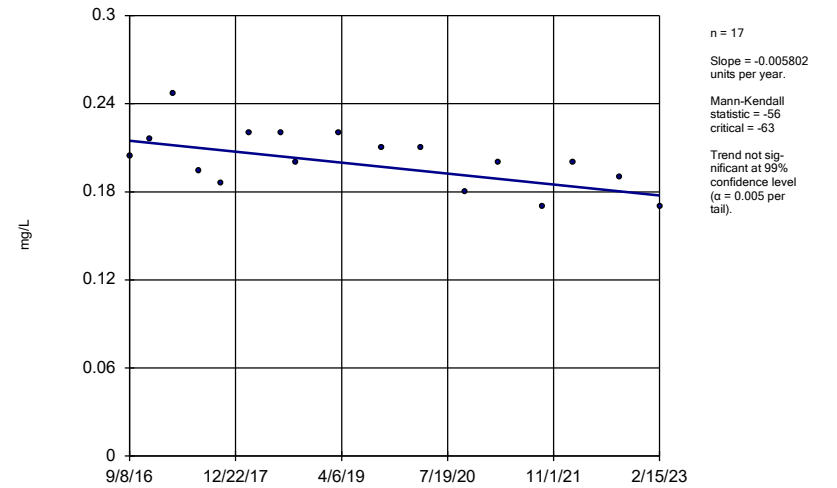
PZ-23A



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

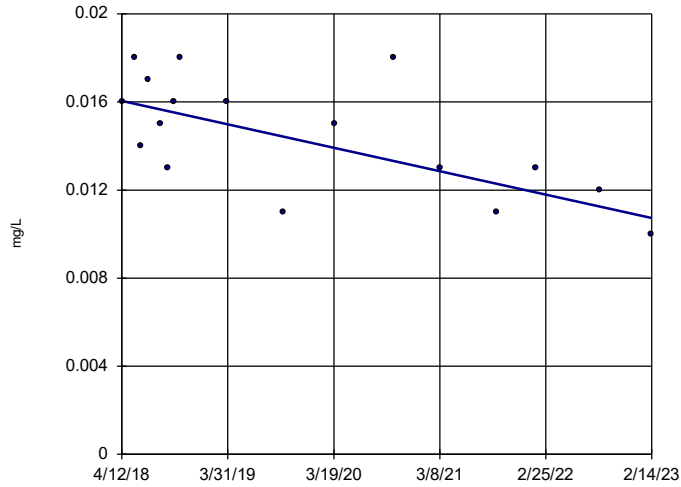
PZ-25



Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-2D (bg)



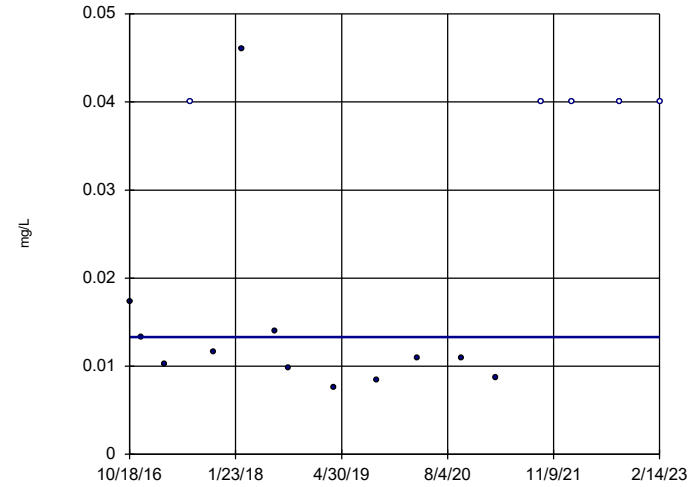
n = 17  
 Slope = -0.001099 units per year.  
 Mann-Kendall statistic = -59  
 critical = -63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

PZ-31 (bg)



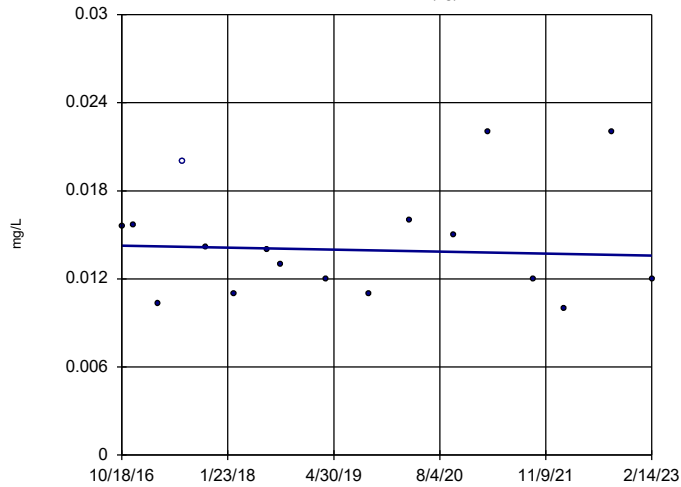
n = 17  
 Slope = 0 units per year.  
 Mann-Kendall statistic = 9  
 critical = 63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

PZ-32 (bg)

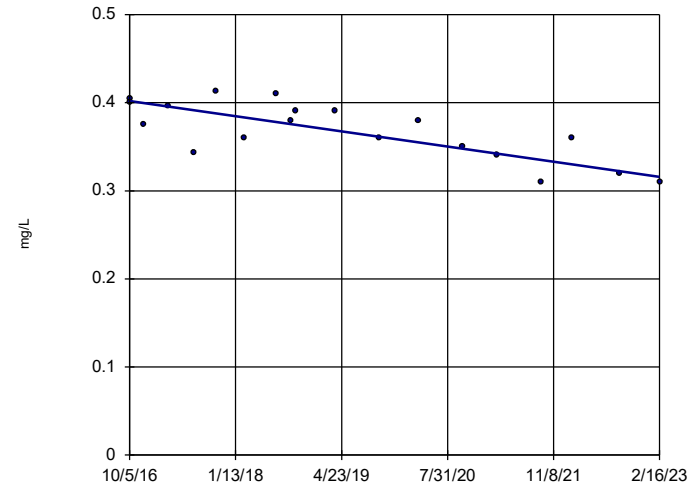


n = 17  
 Slope = -0.0001065 units per year.  
 Mann-Kendall statistic = -7  
 critical = -63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-33

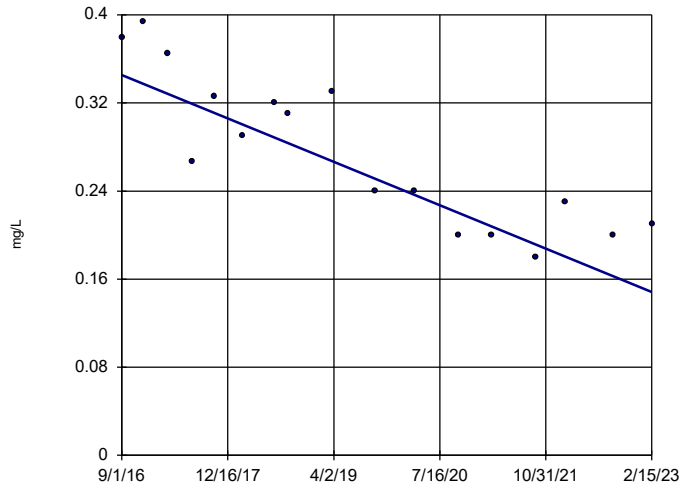


n = 19  
 Slope = -0.01357 units per year.  
 Mann-Kendall statistic = -95  
 critical = -74  
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-7D

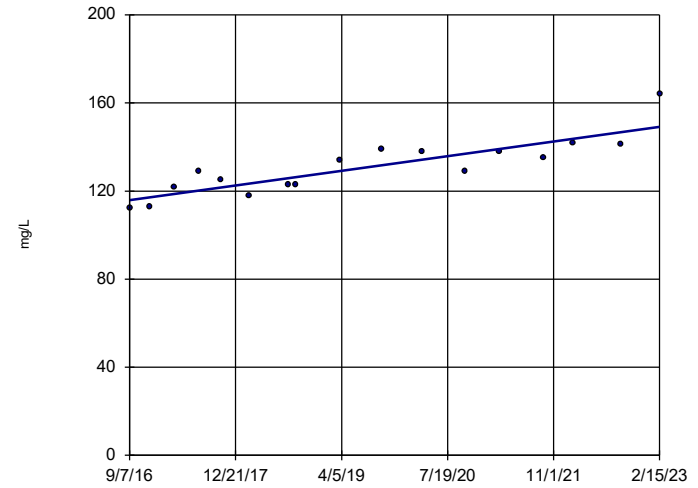


n = 17  
 Slope = -0.03053 units per year.  
 Mann-Kendall statistic = -92  
 critical = -63  
 Decreasing trend significant at 99% confidence level ( $\alpha = 0.005$  per tail).

Constituent: Boron Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-18

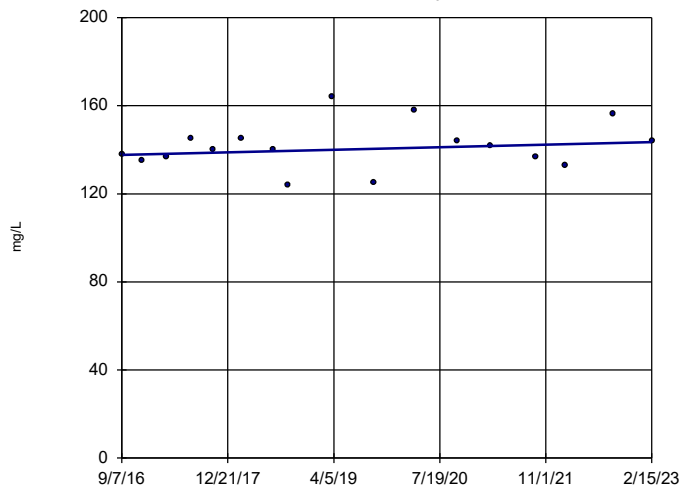


n = 17  
 Slope = 5.157 units per year.  
 Mann-Kendall statistic = 99  
 critical = 63  
 Increasing trend significant at 99% confidence level ( $\alpha = 0.005$  per tail).

Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-19

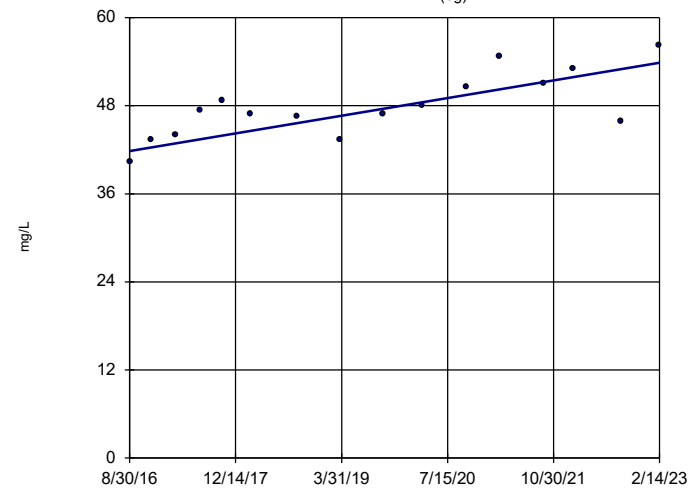


n = 17  
 Slope = 0.9112 units per year.  
 Mann-Kendall statistic = 16  
 critical = 63  
 Trend not significant at 99% confidence level ( $\alpha = 0.005$  per tail).

Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-1D (bg)

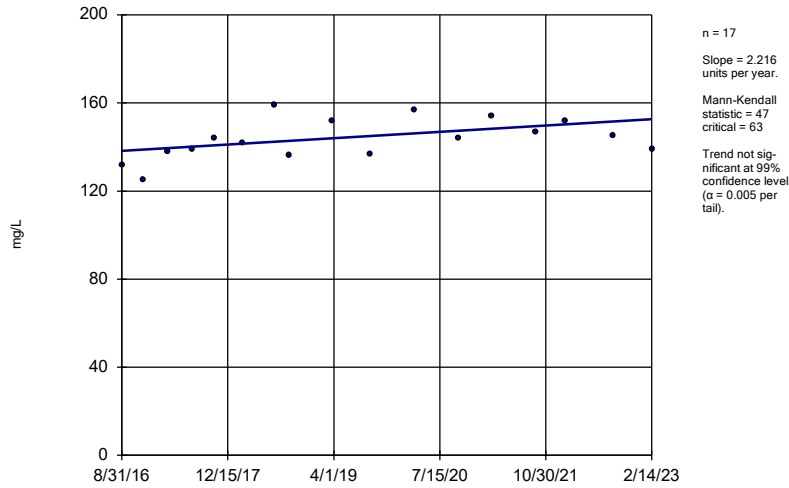


n = 16  
 Slope = 1.861 units per year.  
 Mann-Kendall statistic = 68  
 critical = 58  
 Increasing trend significant at 99% confidence level ( $\alpha = 0.005$  per tail).

Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-23A

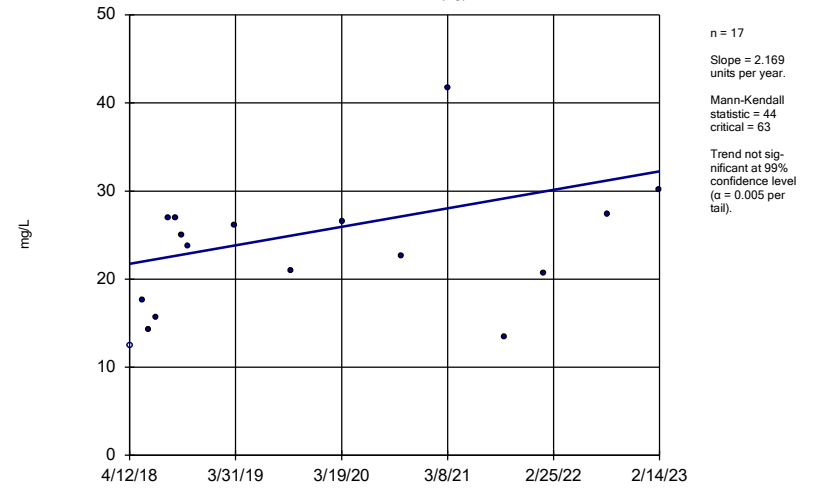


Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

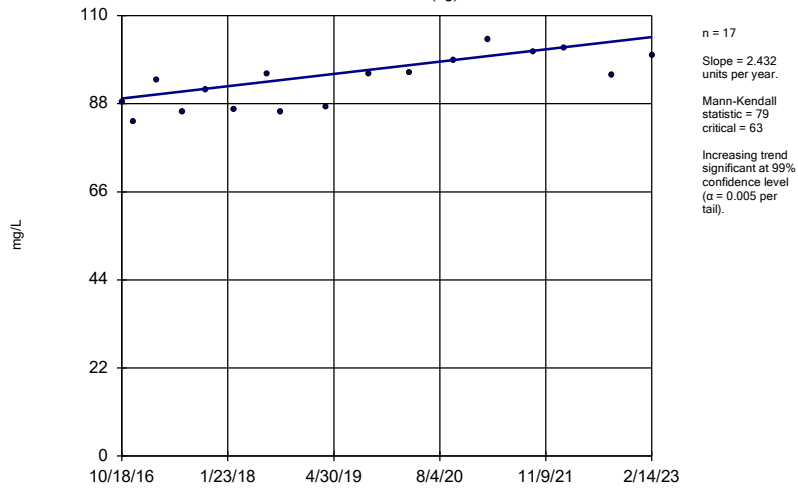
PZ-2D (bg)



Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

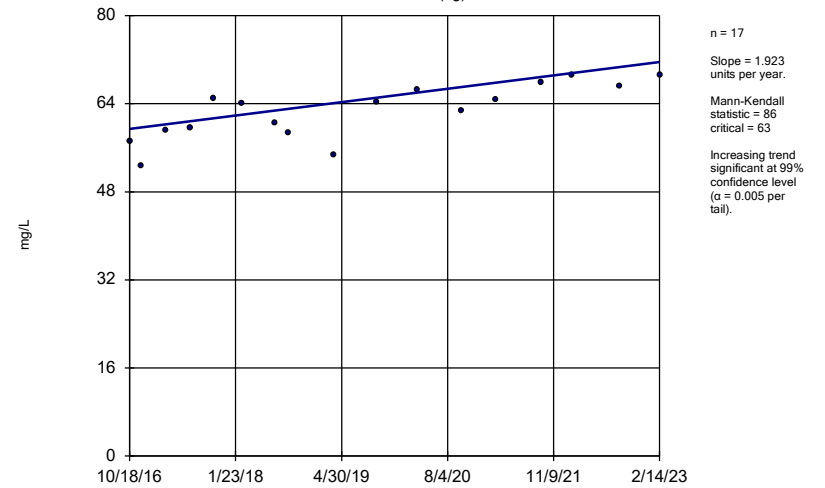
PZ-31 (bg)



Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

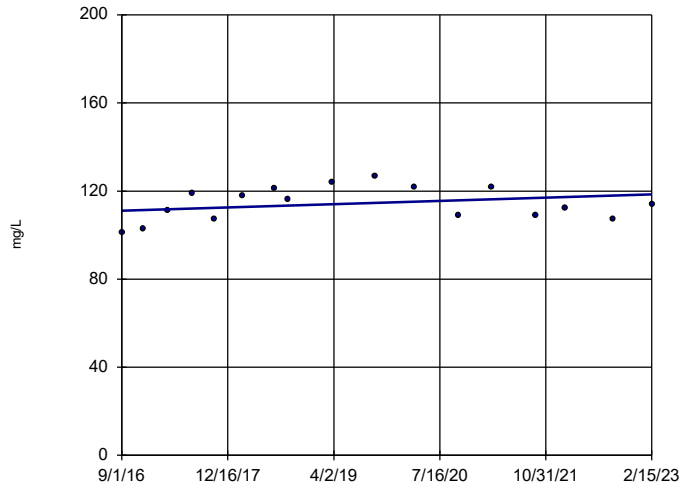
PZ-32 (bg)



Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-7D

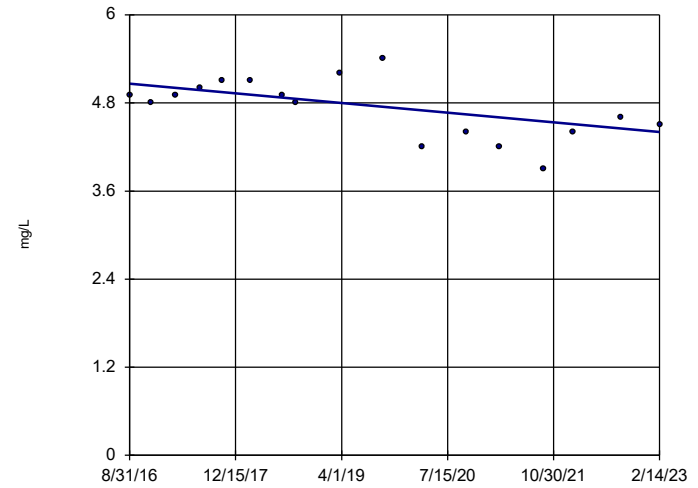


n = 17  
 Slope = 1.139  
 units per year.  
 Mann-Kendall  
 statistic = 23  
 critical = 63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-14

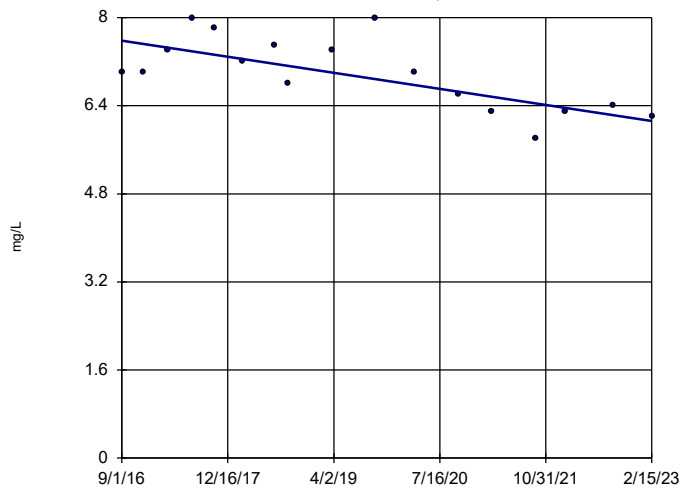


n = 17  
 Slope = -0.1015  
 units per year.  
 Mann-Kendall  
 statistic = -41  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-15

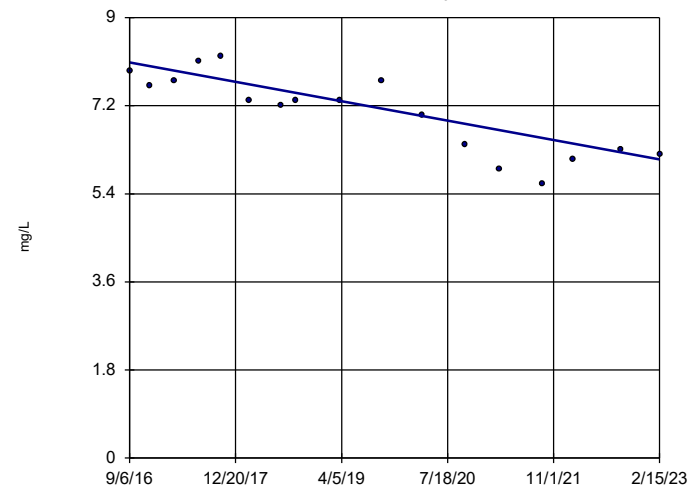


n = 17  
 Slope = -0.2261  
 units per year.  
 Mann-Kendall  
 statistic = -66  
 critical = -63  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-16

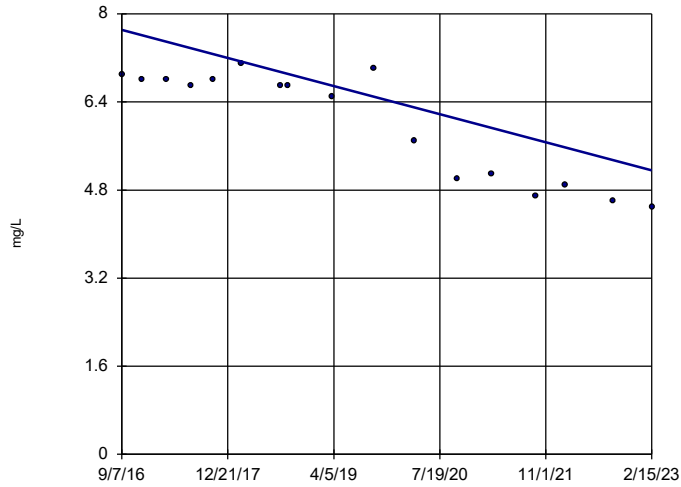


n = 17  
 Slope = -0.3078  
 units per year.  
 Mann-Kendall  
 statistic = -86  
 critical = -63  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-18

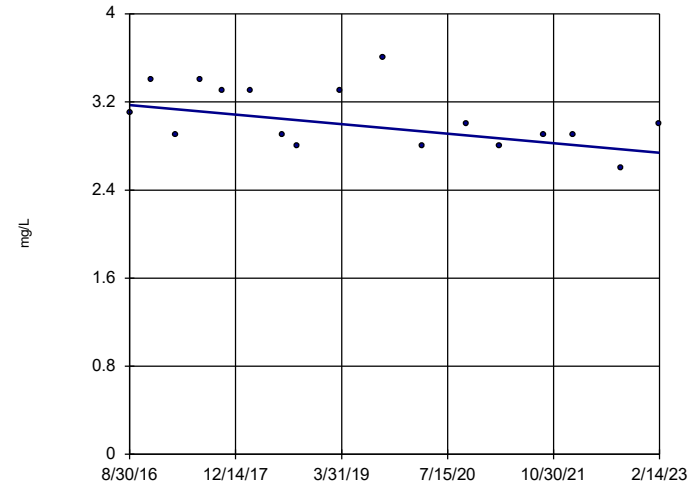


n = 17  
 Slope = -0.3963  
 units per year.  
 Mann-Kendall  
 statistic = -98  
 critical = -63  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-1D (bg)

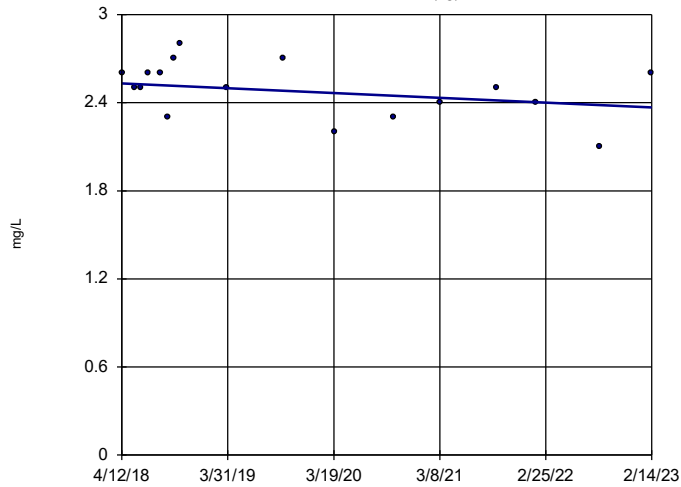


n = 17  
 Slope = -0.06706  
 units per year.  
 Mann-Kendall  
 statistic = -46  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-2D (bg)

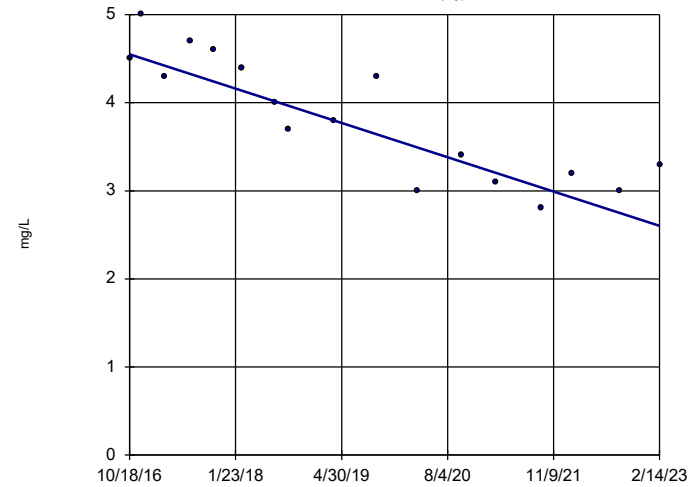


n = 17  
 Slope = -0.03387  
 units per year.  
 Mann-Kendall  
 statistic = -29  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-31 (bg)



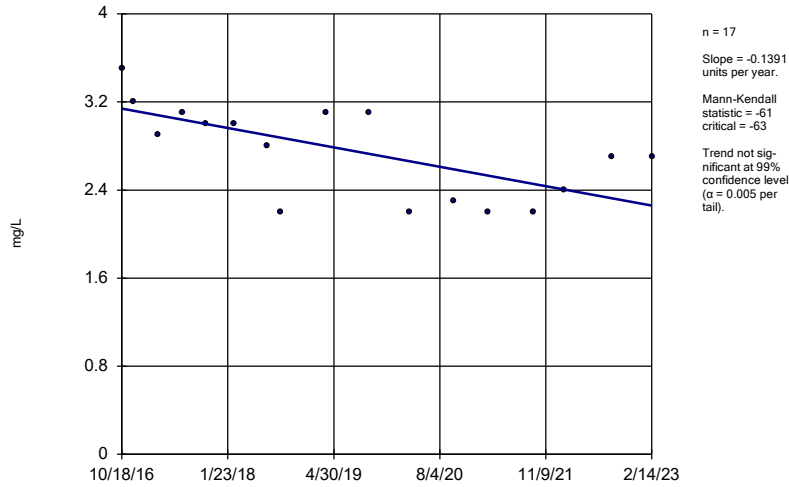
n = 17  
 Slope = -0.3077  
 units per year.  
 Mann-Kendall  
 statistic = -92  
 critical = -63  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



### Sen's Slope Estimator

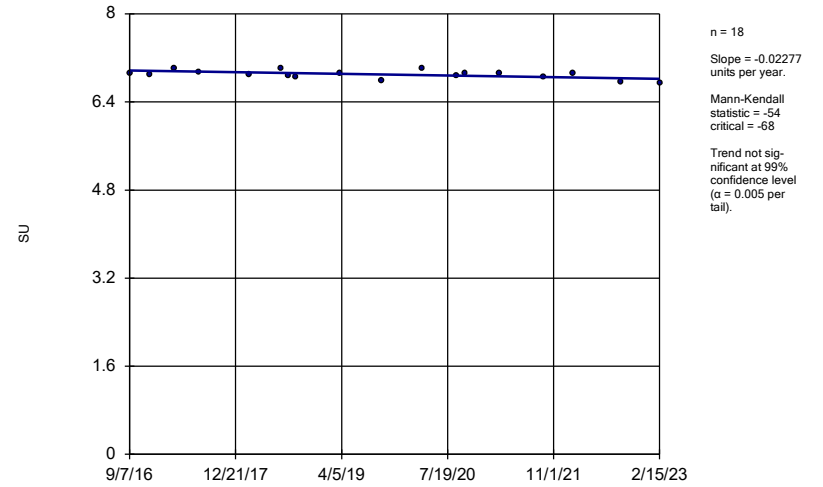
PZ-32 (bg)



Constituent: Chloride Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

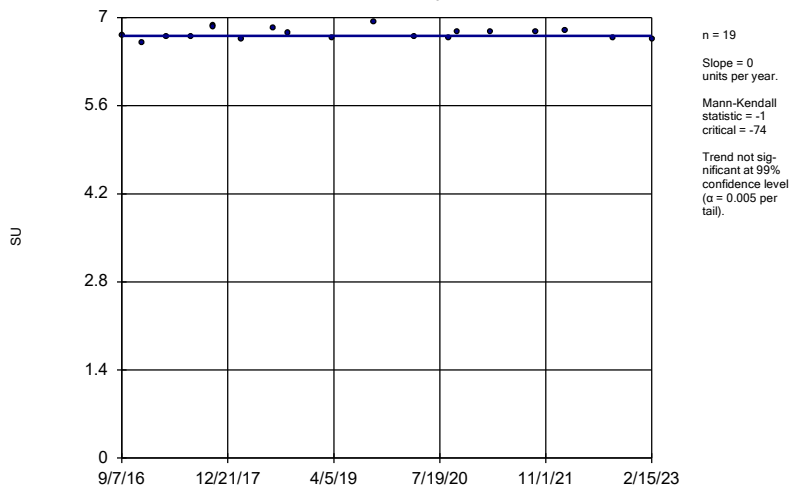
PZ-18



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

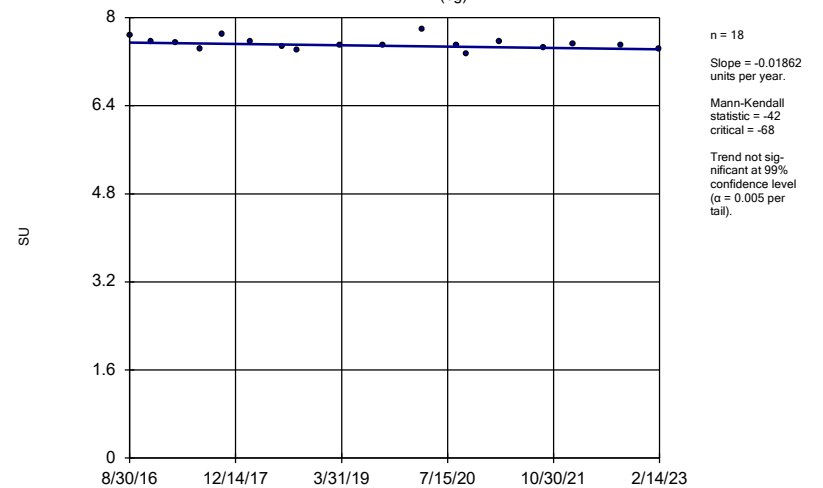
PZ-19



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

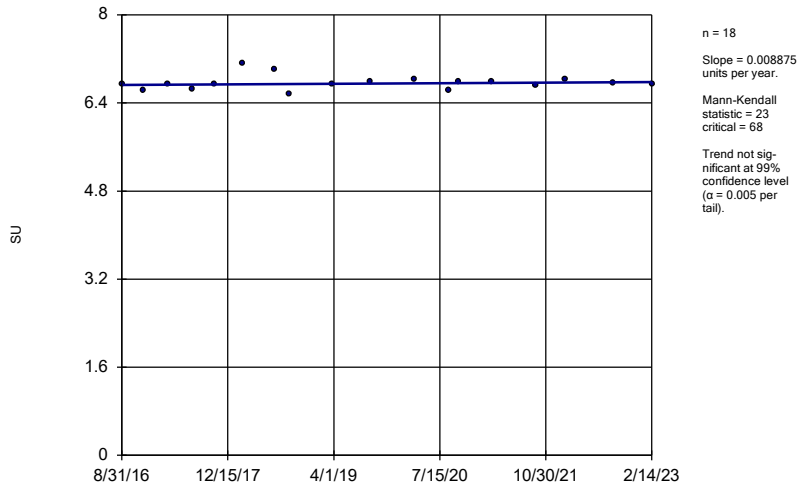
PZ-1D (bg)



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

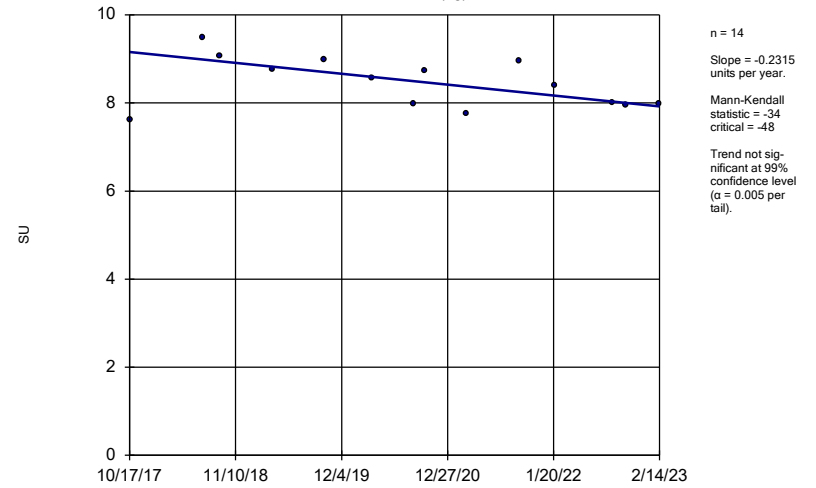
PZ-23A



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

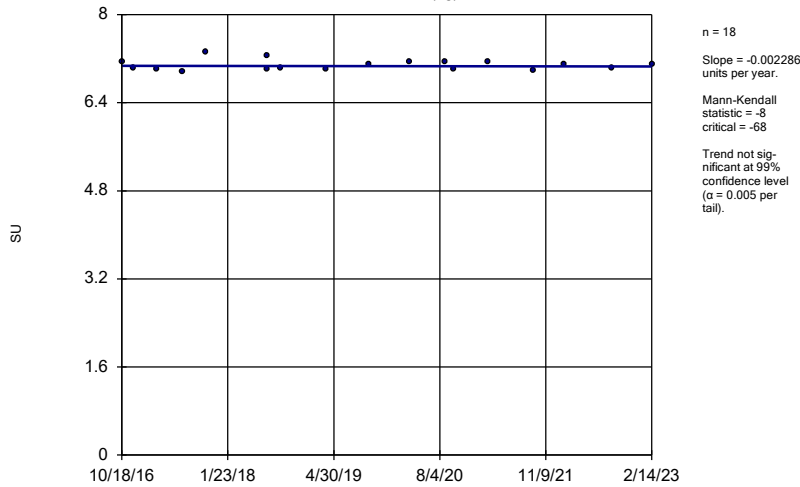
PZ-2D (bg)



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

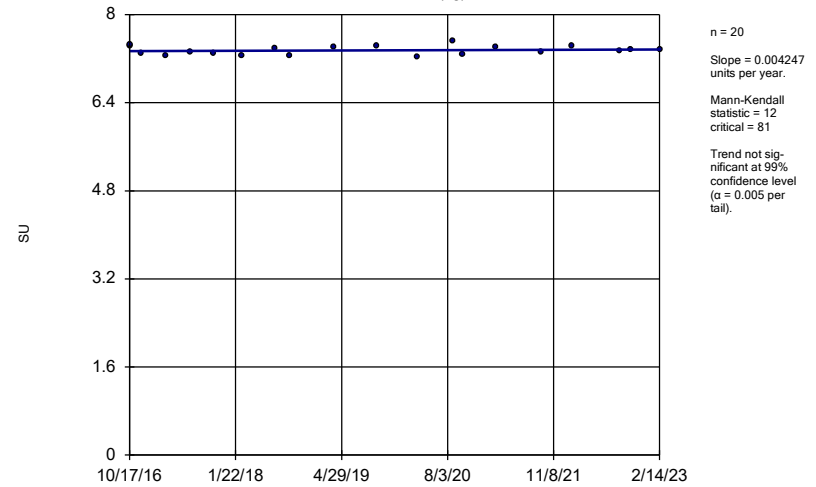
PZ-31 (bg)



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

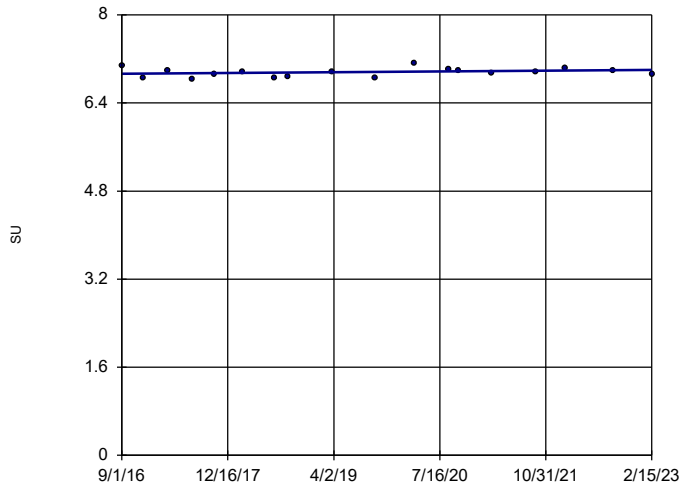
PZ-32 (bg)



Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-7D

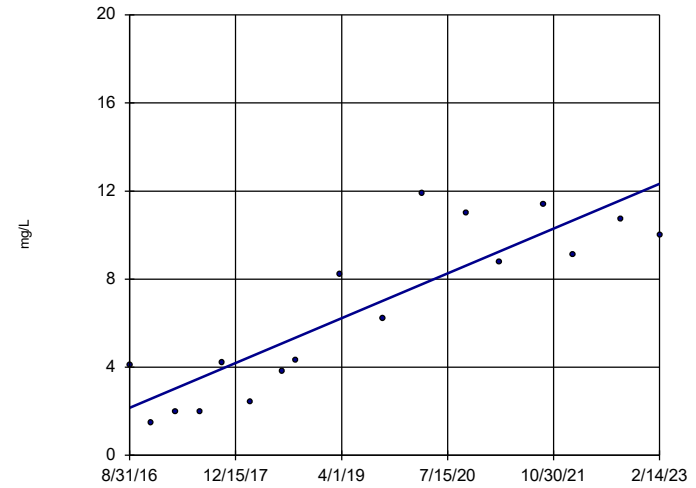


n = 18  
 Slope = 0.0113 units per year.  
 Mann-Kendall statistic = 22  
 critical = 68  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-14

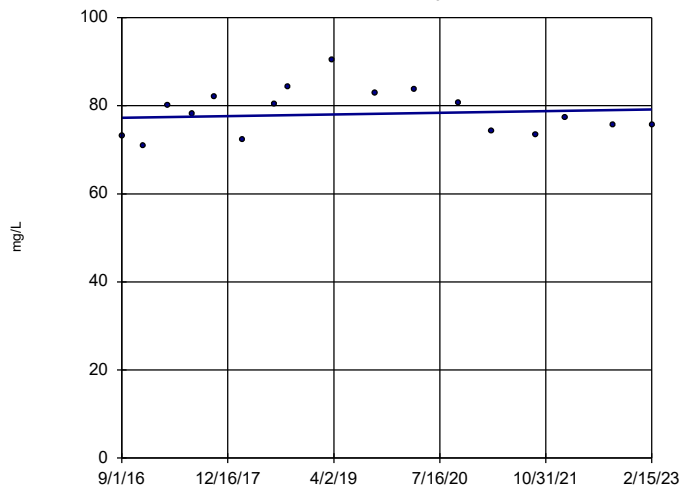


n = 17  
 Slope = 1.574 units per year.  
 Mann-Kendall statistic = 91  
 critical = 63  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-15

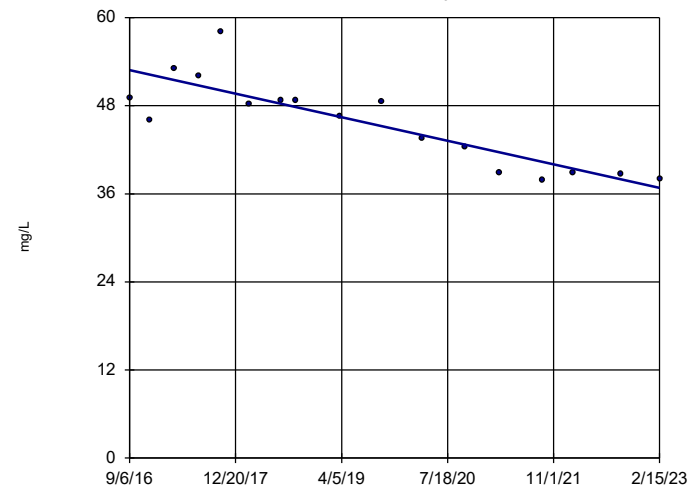


n = 17  
 Slope = 0.2902 units per year.  
 Mann-Kendall statistic = 8  
 critical = 63  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-16

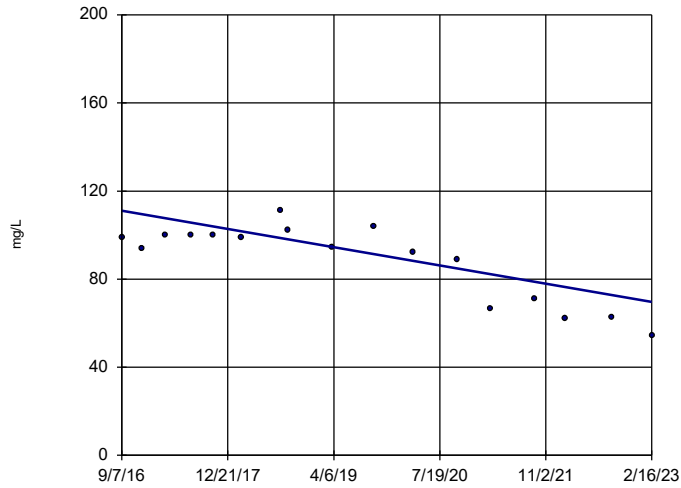


n = 17  
 Slope = -2.492 units per year.  
 Mann-Kendall statistic = -95  
 critical = -63  
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-17

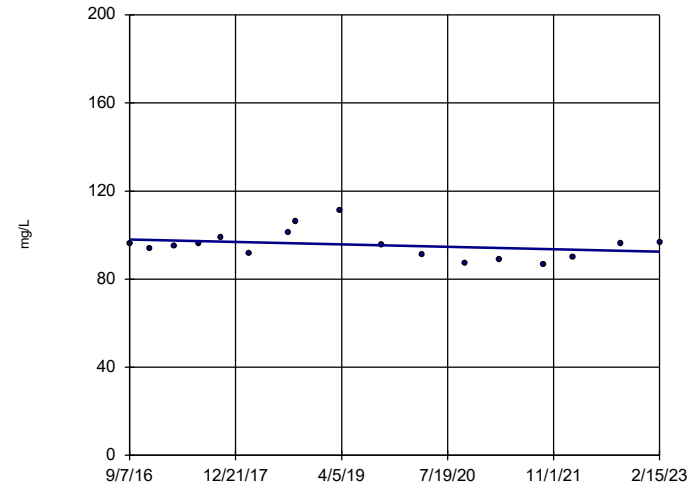


n = 17  
 Slope = -6.421  
 units per year.  
 Mann-Kendall  
 statistic = -73  
 critical = -63  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-18

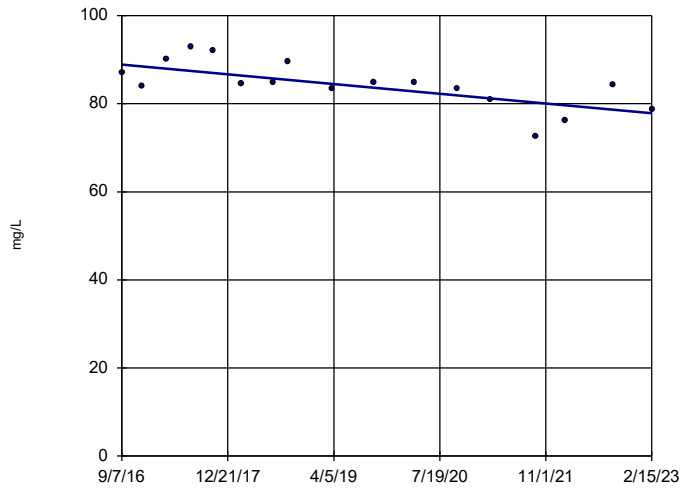


n = 17  
 Slope = -0.8536  
 units per year.  
 Mann-Kendall  
 statistic = -19  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-19

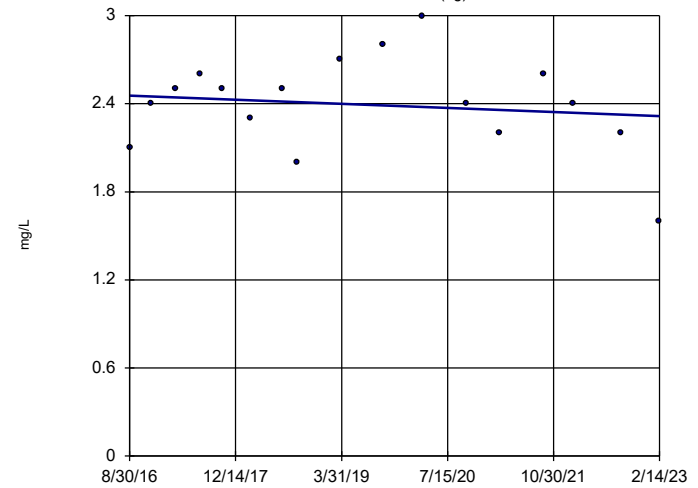


n = 17  
 Slope = -1.705  
 units per year.  
 Mann-Kendall  
 statistic = -73  
 critical = -63  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-1D (bg)

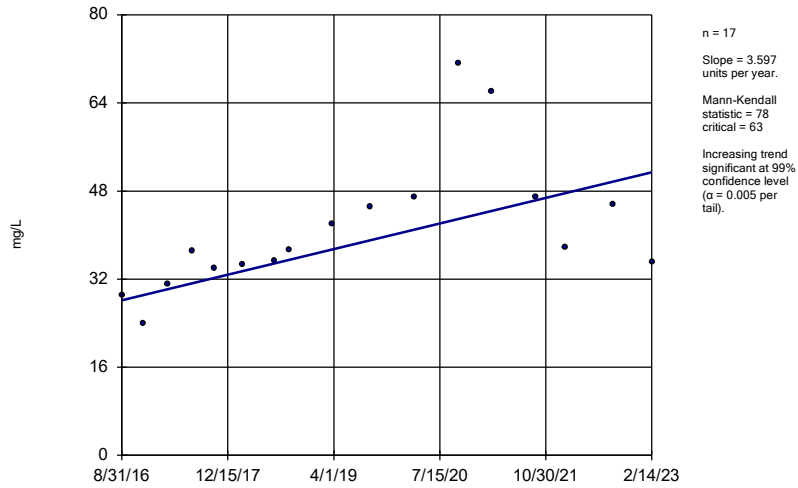


n = 17  
 Slope = -0.02139  
 units per year.  
 Mann-Kendall  
 statistic = -10  
 critical = -63  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

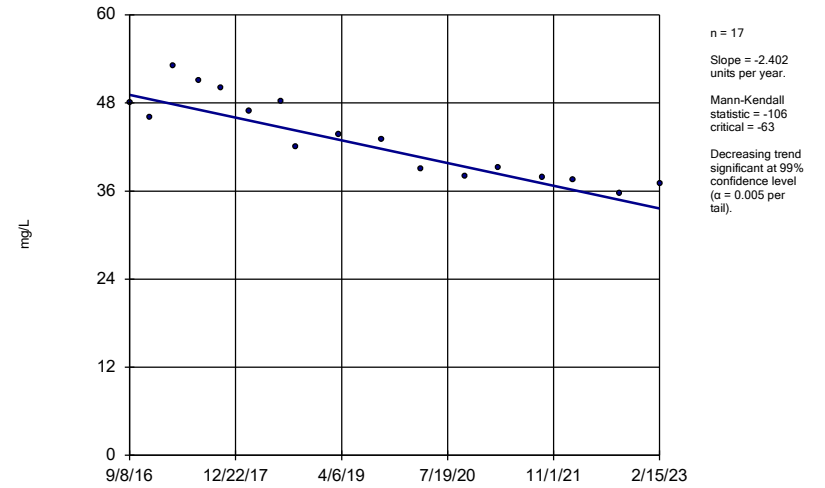
PZ-23A



Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

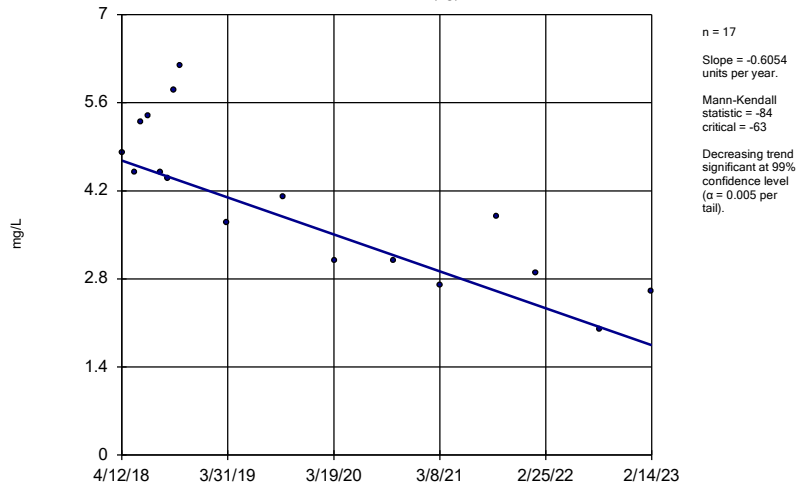
PZ-25



Constituent: Sulfate Analysis Run 3/27/2023 3:44 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

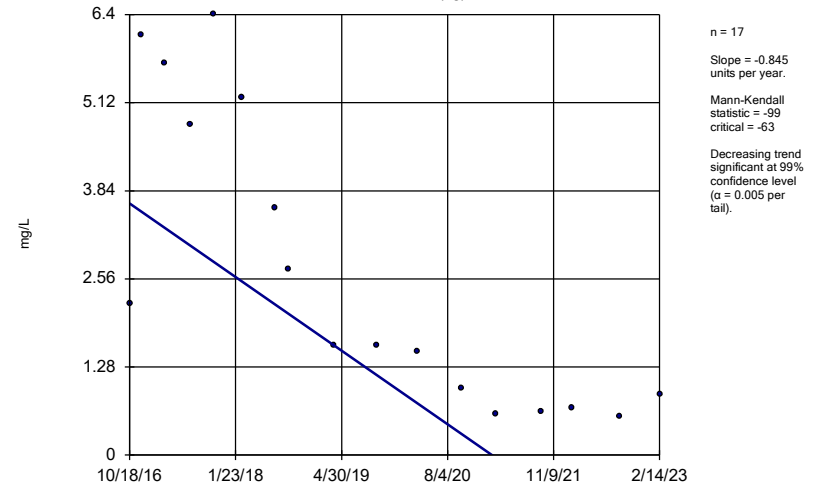
PZ-2D (bg)



Constituent: Sulfate Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

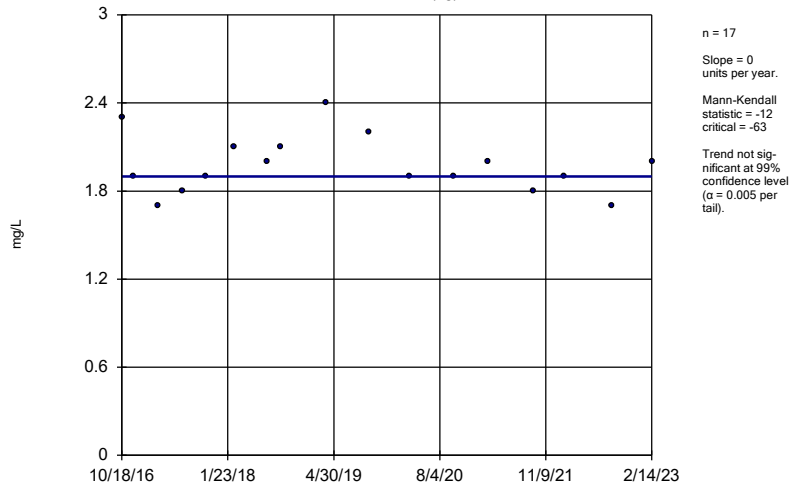
PZ-31 (bg)



Constituent: Sulfate Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

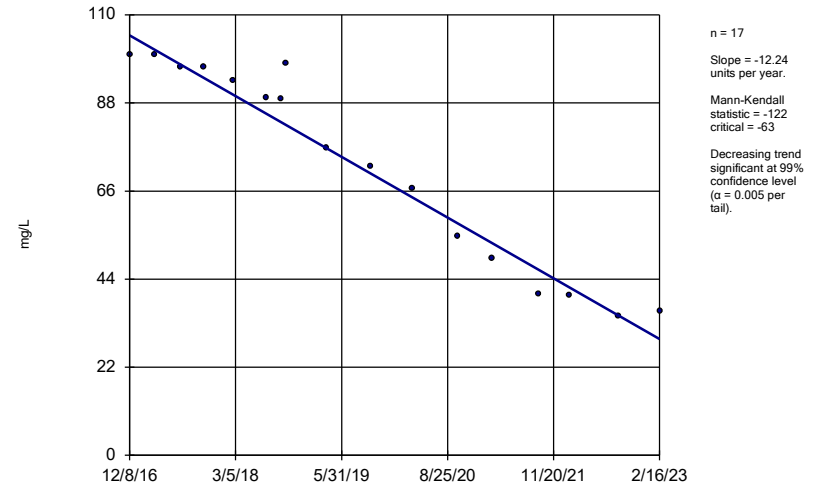
PZ-32 (bg)



Constituent: Sulfate Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

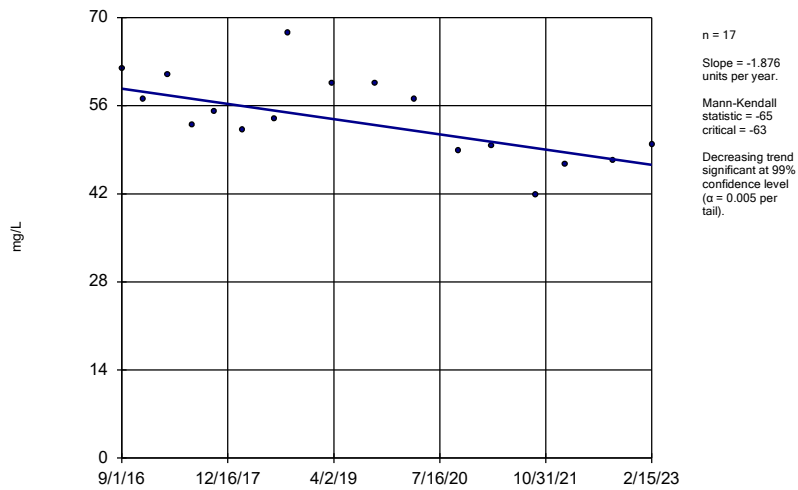
PZ-33



Constituent: Sulfate Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

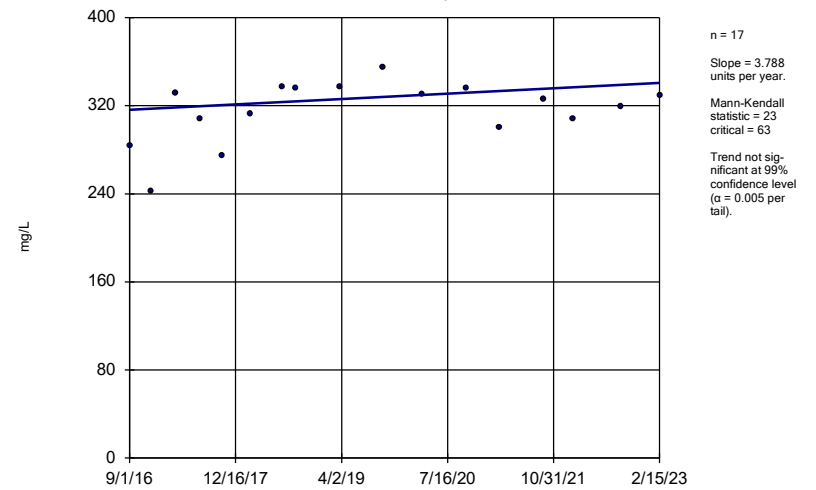
PZ-7D



Constituent: Sulfate Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

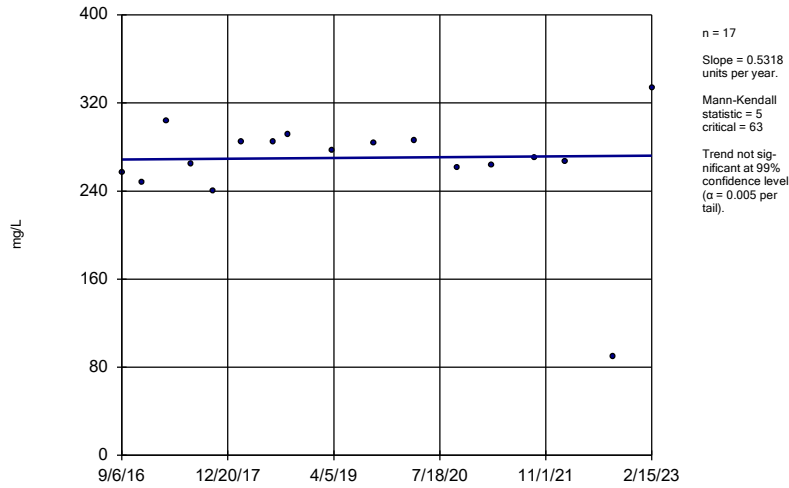
PZ-15



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

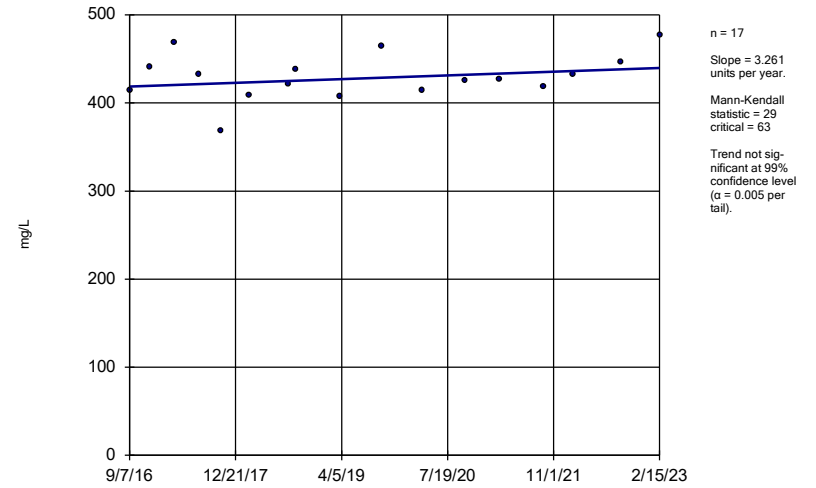
PZ-16



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

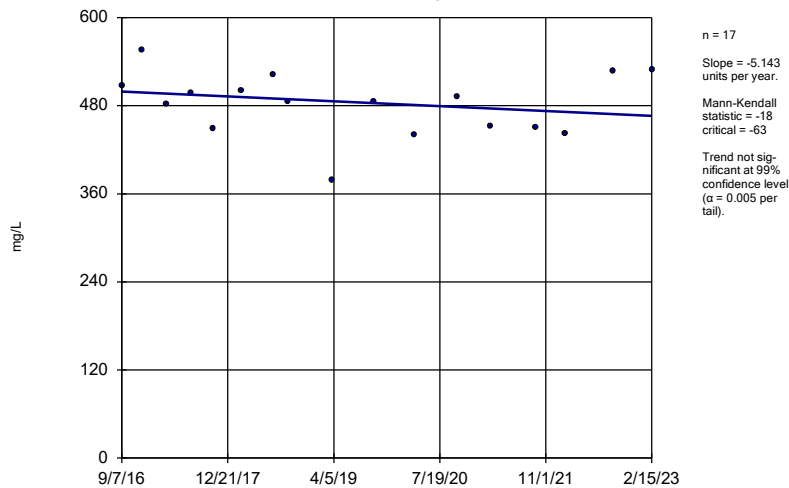
PZ-18



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

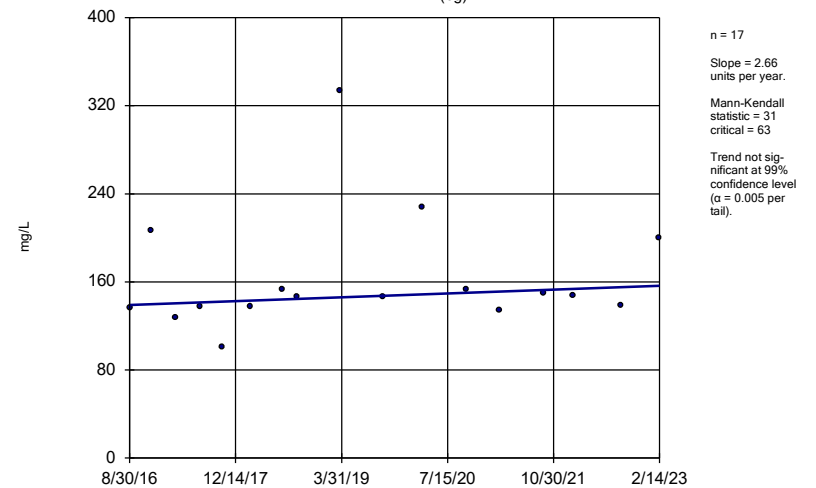
PZ-19



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

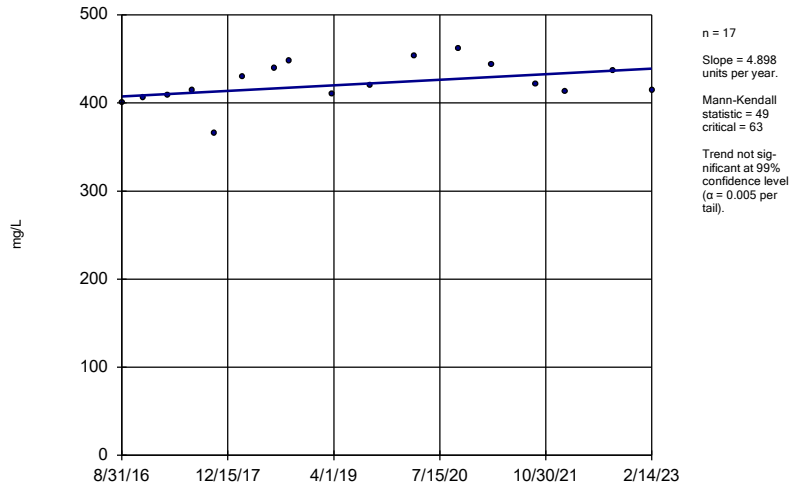
PZ-1D (bg)



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

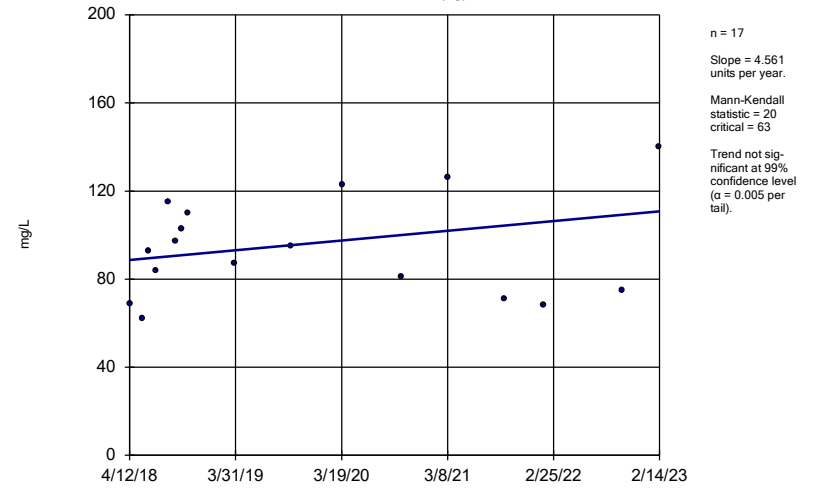
PZ-23A



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

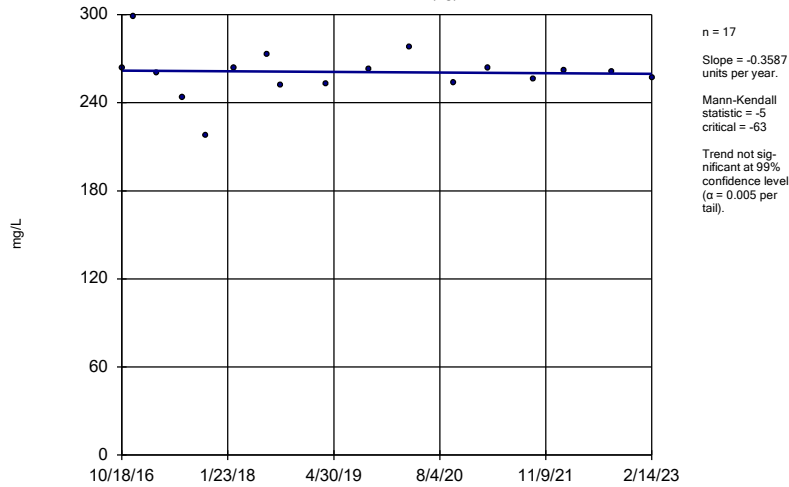
PZ-2D (bg)



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

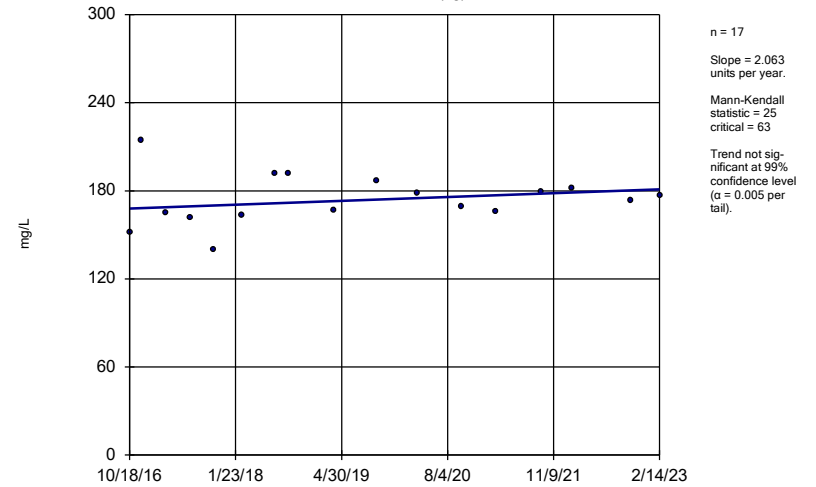
PZ-31 (bg)



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Sen's Slope Estimator

PZ-32 (bg)

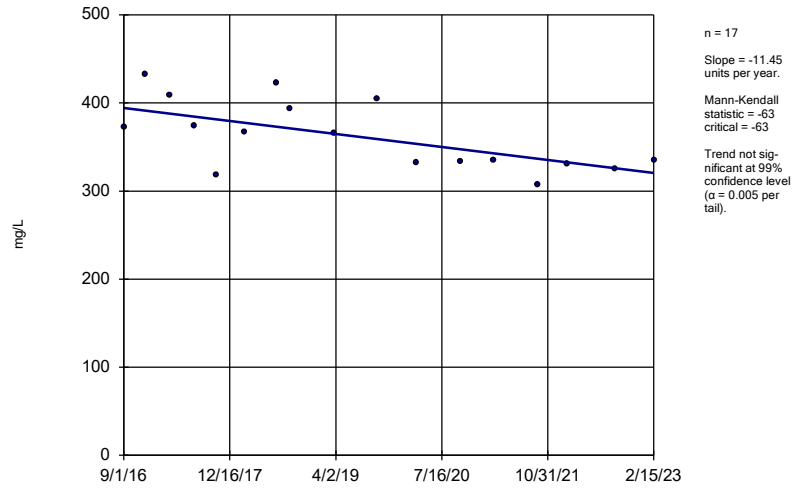


Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



### Sen's Slope Estimator

PZ-7D



Constituent: TDS Analysis Run 3/27/2023 3:45 PM View: Trend Tests  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE F.

# Upper Tolerance Limits Summary Table

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/24/2023, 2:13 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg.N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	n/a	0.0035	n/a	n/a	n/a	68	55.88	n/a	0.03056	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	60	86.67	n/a	0.04607	NP Inter(NDs)
Barium (mg/L)	n/a	0.04631	n/a	n/a	n/a	68	1.471	ln(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	52	96.15	n/a	0.06944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	52	100	n/a	0.06944	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0093	n/a	n/a	n/a	68	25	sqrt(x)	0.05	Inter
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	68	97.06	n/a	0.03056	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.611	n/a	n/a	n/a	66	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.29	n/a	n/a	n/a	72	45.83	n/a	0.02489	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	68	80.88	n/a	0.03056	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	68	79.41	n/a	0.03056	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	60	90	n/a	0.04607	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	68	77.94	n/a	0.03056	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	68	100	n/a	0.03056	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	68	91.18	n/a	0.03056	NP Inter(NDs)

FIGURE G.

<b>PLANT MITCHELL ASH POND GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.0035	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.046	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0093	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.61	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
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		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*

FIGURE H.

# Confidence Intervals - All Results (No Significant)

Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR    Printed 3/24/2023, 2:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	17	82.35	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.003	0.0018	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-7D	0.003	0.00042	0.006	No	17	82.35	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	15	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	15	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	15	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	15	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00036	0.01	No	15	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.001	0.01	No	15	73.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.00094	0.01	No	15	86.67	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-14	0.02979	0.0164	2	No	17	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	PZ-15	0.0617	0.048	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.046	0.034	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07833	0.06912	2	No	17	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.0273	0.023	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05819	0.05215	2	No	17	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.04979	0.0367	2	No	17	0	None	No	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	17	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.06915	0.04872	2	No	16	0	None	No	0.01	Param.
Barium (mg/L)	PZ-7D	0.009458	0.006747	2	No	17	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	13	84.62	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	13	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-14	0.01	0.0012	0.1	No	17	52.94	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.00087	0.1	No	17	47.06	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-18	0.005	0.00056	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.0044	0.0014	0.1	No	17	17.65	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.001981	0.0007428	0.1	No	17	29.41	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0005	0.006	No	17	70.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0006	0.006	No	17	64.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	17	94.12	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	17	88.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.00067	0.006	No	17	70.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.0017	0.0008	0.006	No	17	5.882	None	No	0.01	NP (normality)
Cobalt (mg/L)	PZ-33	0.005	0.0008	0.006	No	17	64.71	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.8939	0.2977	5	No	17	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.052	0.7051	5	No	17	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.8429	0.4139	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.143	0.5586	5	No	16	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	1.146	0.4551	5	No	15	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.303	0.7144	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.166	0.7139	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.153	0.7191	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	0.9927	0.5548	5	No	17	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.602	0.2385	5	No	17	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-14	0.11	0.056	4	No	18	61.11	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-15	0.1118	0.06926	4	No	18	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-16	0.1	0.053	4	No	18	55.56	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1225	0.05972	4	No	18	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.08	4	No	18	55.56	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.15	0.064	4	No	18	11.11	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.13	0.057	4	No	18	38.89	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-25	0.2357	0.1499	4	No	18	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.082	4	No	18	55.56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-7D	0.1	0.05	4	No	18	61.11	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	17	94.12	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	17	94.12	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	17	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	17	94.12	None	No	0.01	NP (NDs)

# Confidence Intervals - All Results (No Significant)

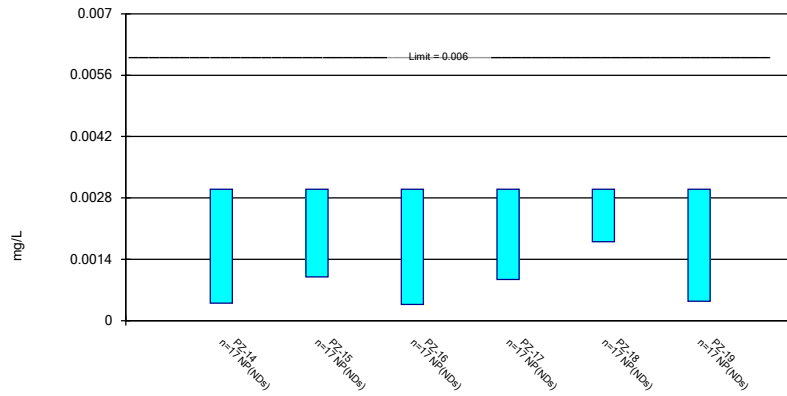
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 3/24/2023, 2:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	17	82.35	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	17	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	17	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	17	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.05	0.0012	0.04	No	17	29.41	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-17	0.0029	0.002	0.04	No	17	11.76	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0025	0.04	No	17	11.76	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01434	0.0106	0.04	No	17	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.001	0.04	No	17	70.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006843	0.005588	0.04	No	17	0	None	x^2	0.01	Param.
Lithium (mg/L)	PZ-7D	0.0037	0.0023	0.04	No	17	5.882	None	No	0.01	NP (normality)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.000053	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	15	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	15	86.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0024	0.002	0.1	No	17	5.882	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	17	88.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.001	0.1	No	17	94.12	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	17	88.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	17	94.12	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.01	0.0031	0.05	No	17	41.18	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-23A	0.01	0.0018	0.05	No	17	41.18	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-7D	0.005	0.0018	0.05	No	17	64.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	17	94.12	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.0002	0.002	No	17	64.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.00018	0.002	No	17	64.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00025	0.002	No	17	47.06	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	17	82.35	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0006651	0.0004784	0.002	No	17	5.882	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00017	0.002	No	17	47.06	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-25	0.001	0.00036	0.002	No	17	47.06	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00015	0.002	No	17	70.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-7D	0.001	0.0001	0.002	No	17	70.59	None	No	0.01	NP (NDs)



### Non-Parametric Confidence Interval

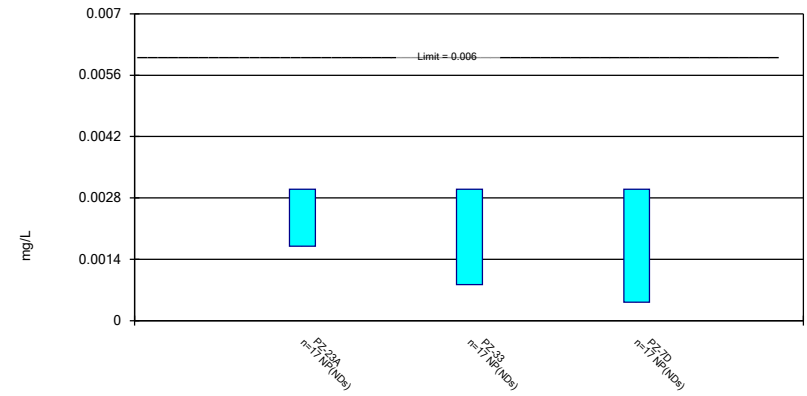
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

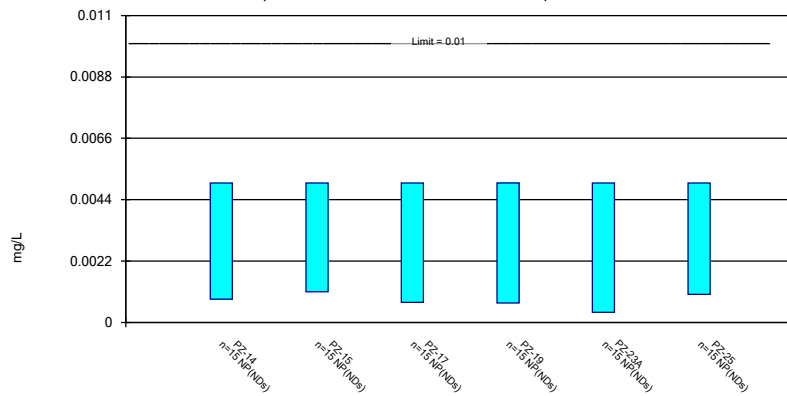
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

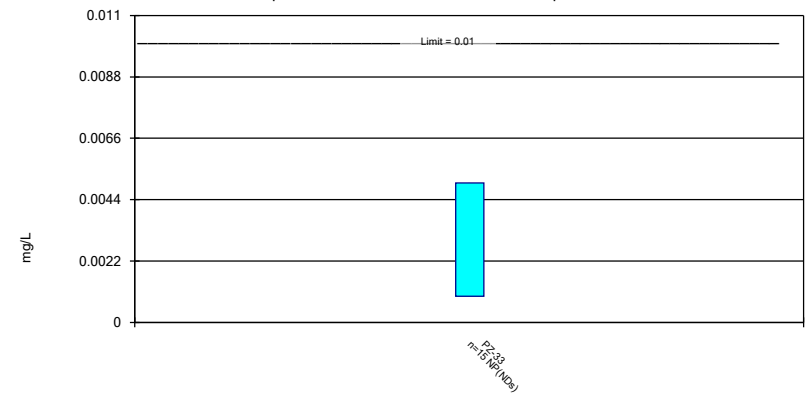
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

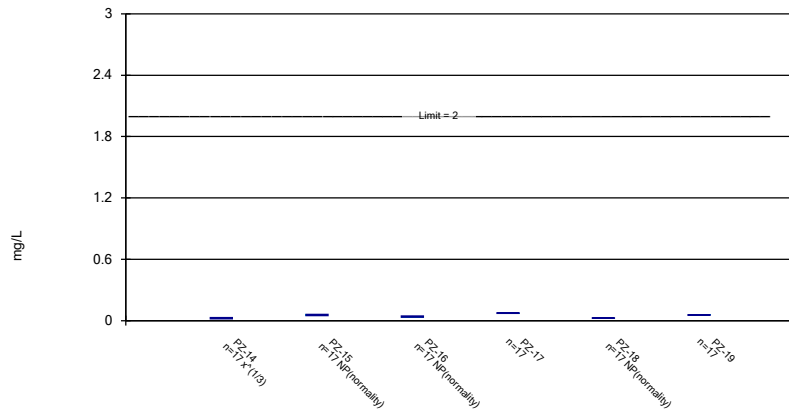
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

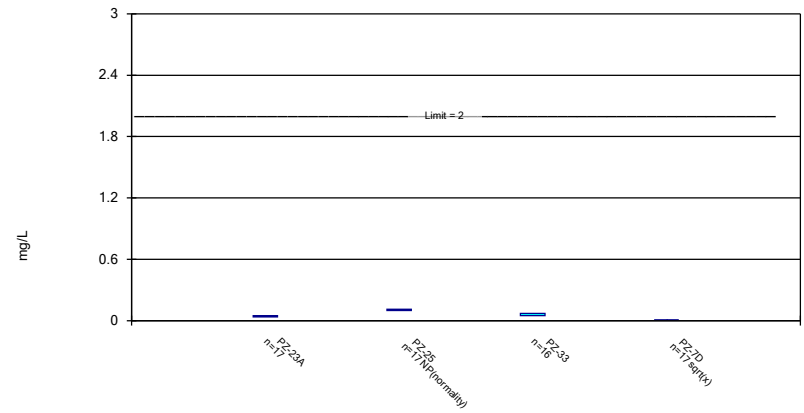
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

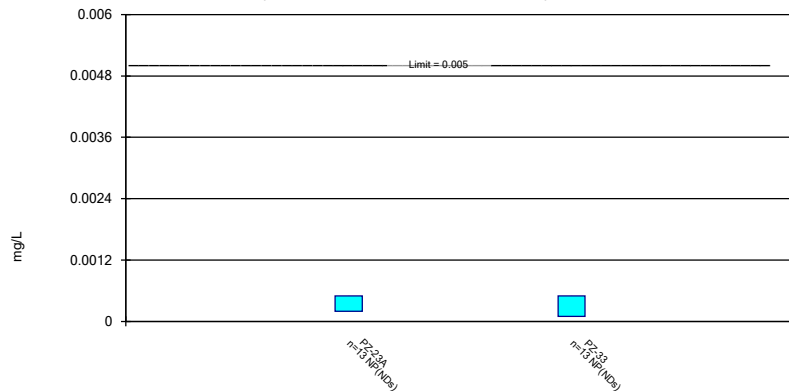
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

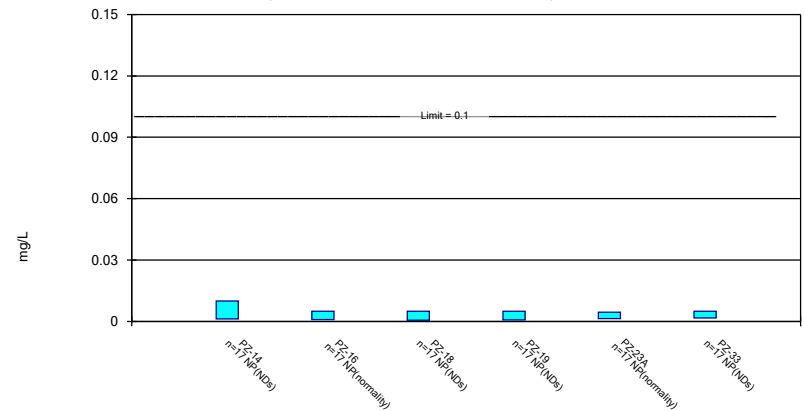
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

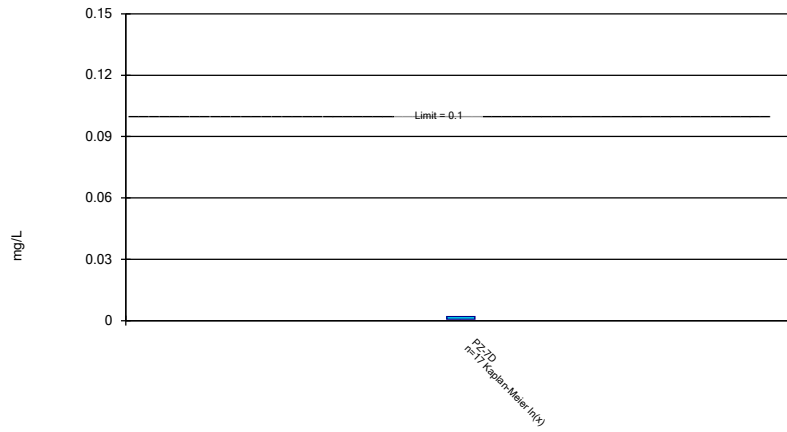
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric Confidence Interval

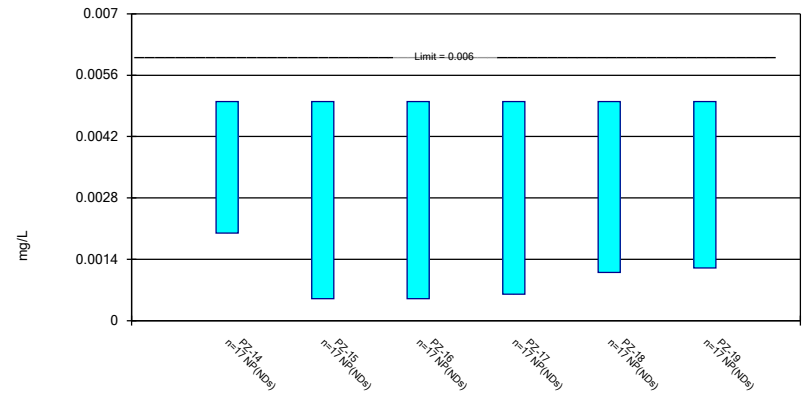
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

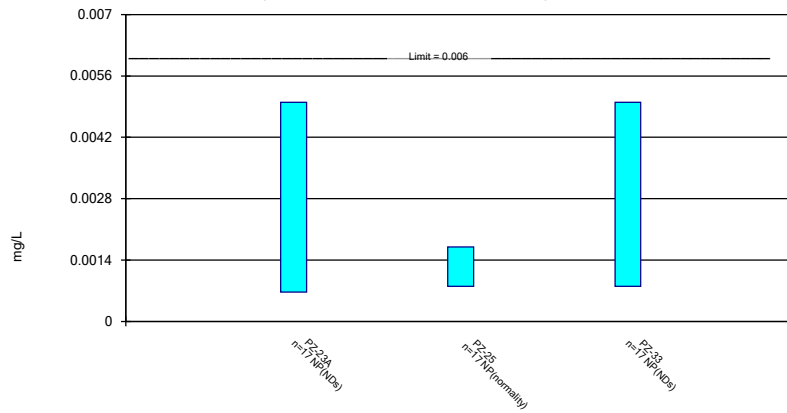
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

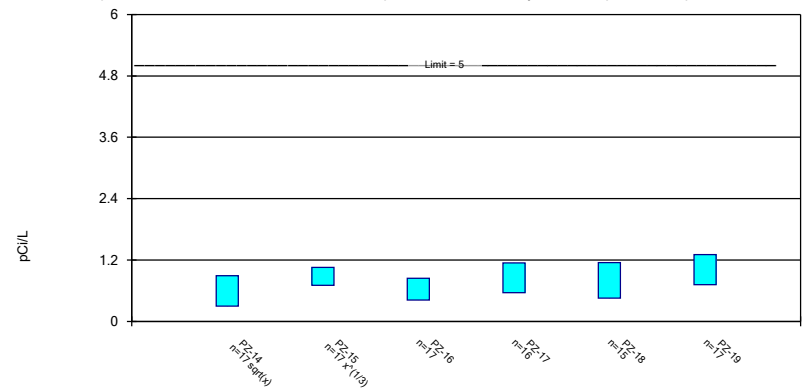
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric Confidence Interval

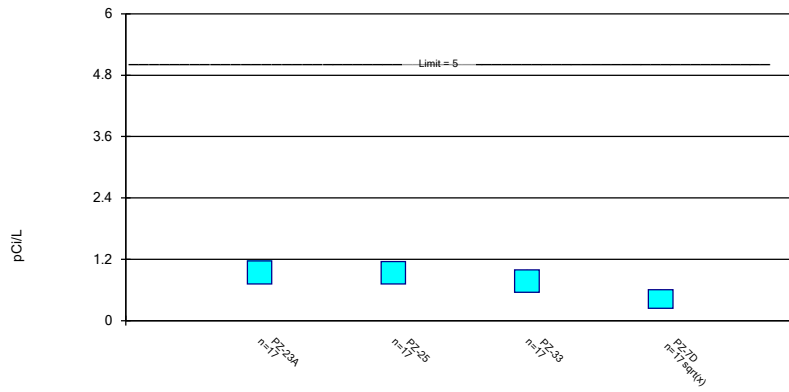
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric Confidence Interval

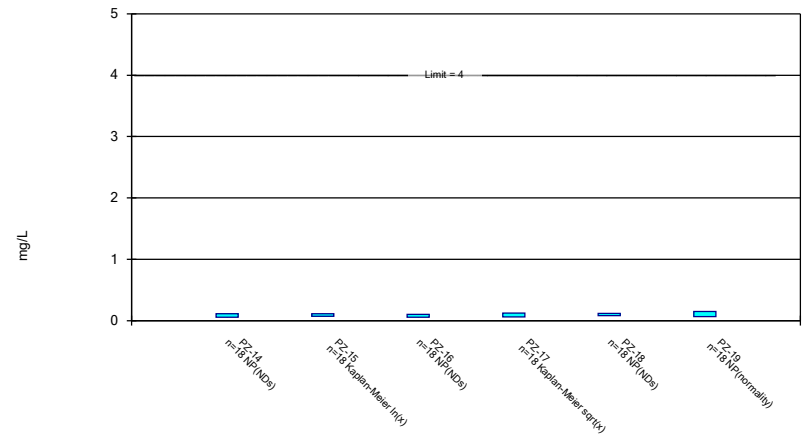
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

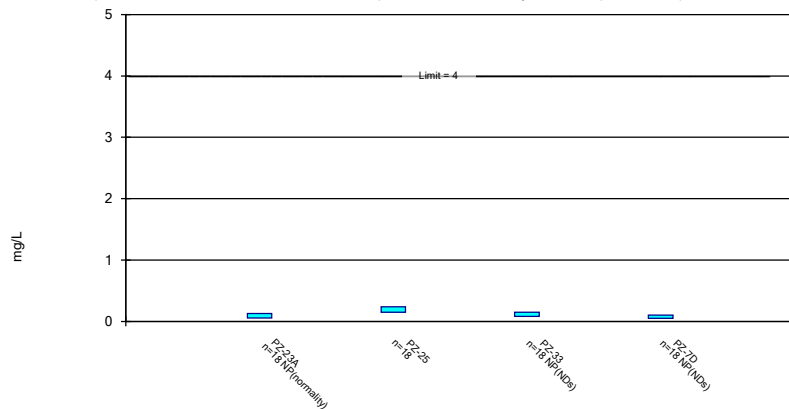
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

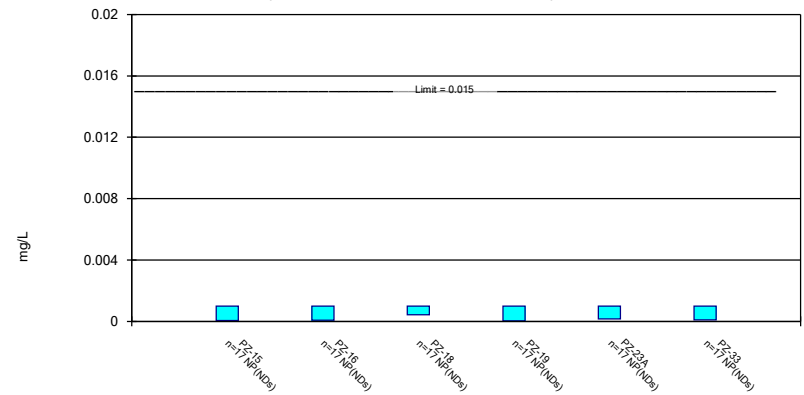
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

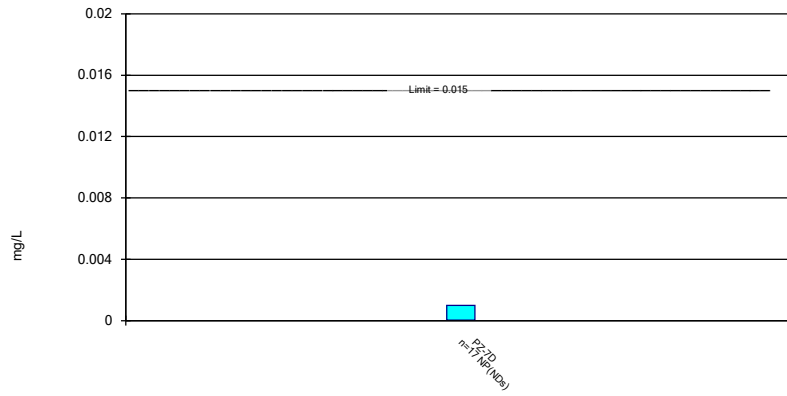
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

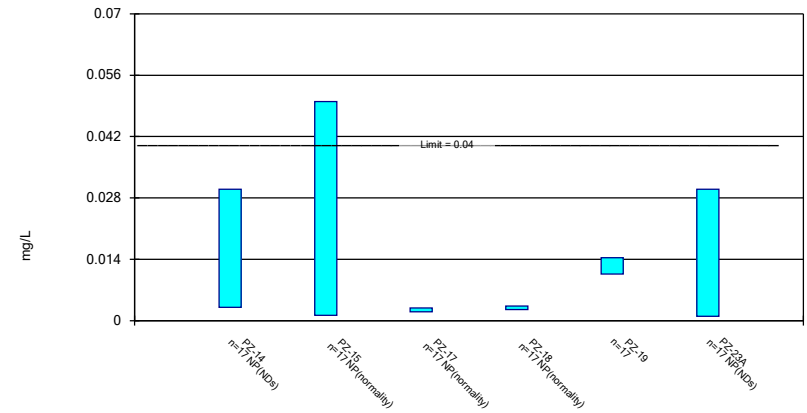
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

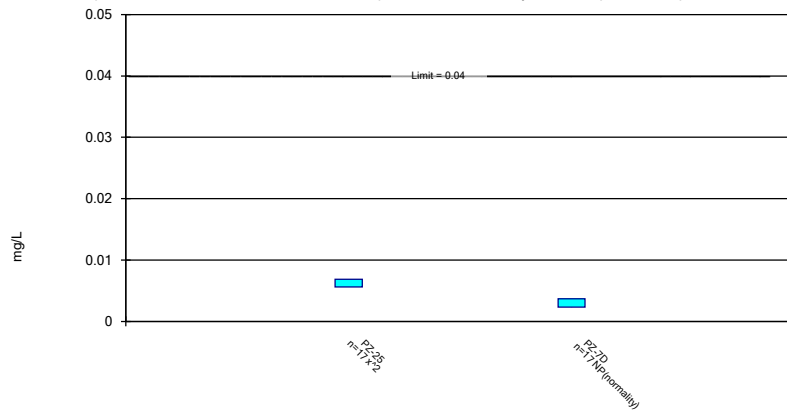
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

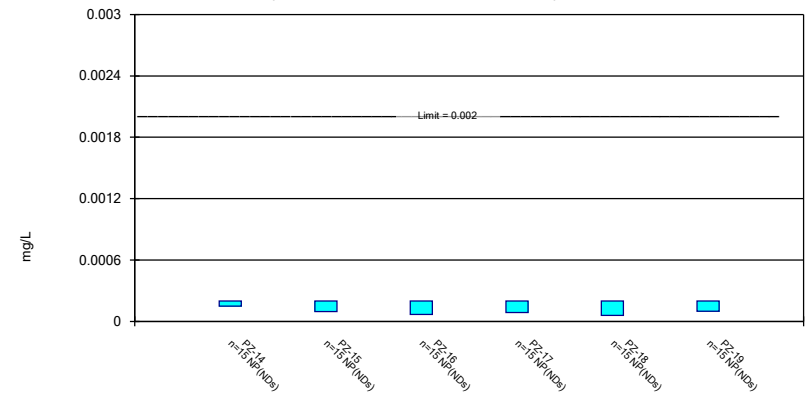
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

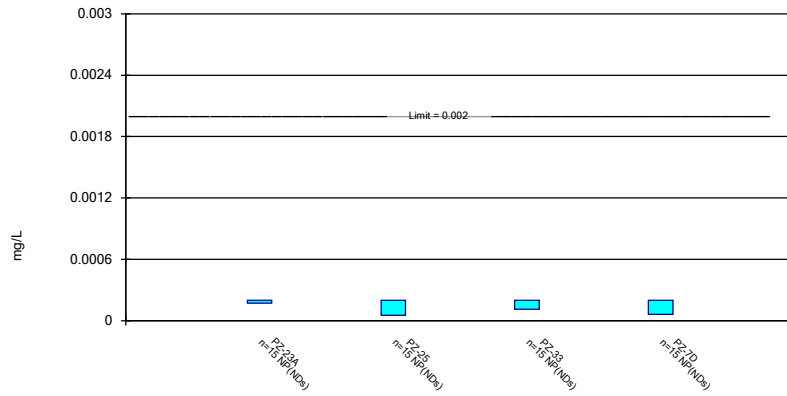
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

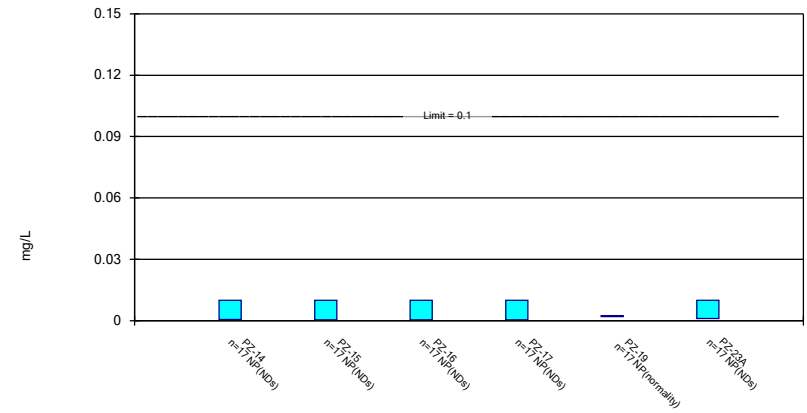
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

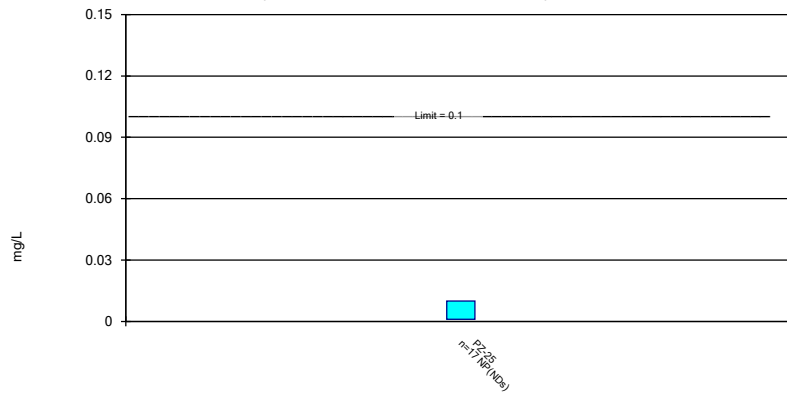
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

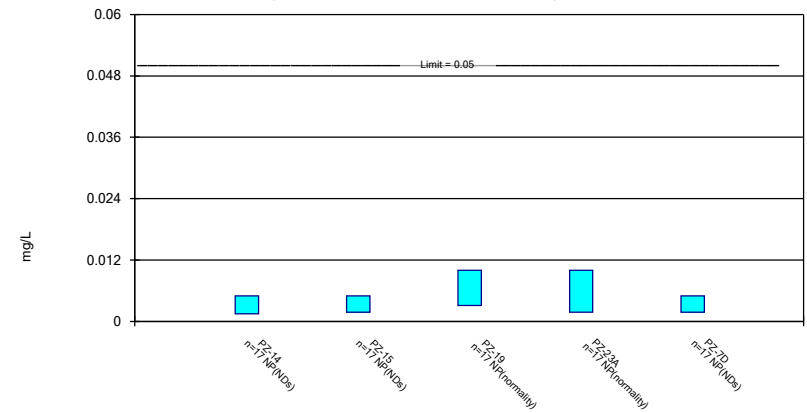
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

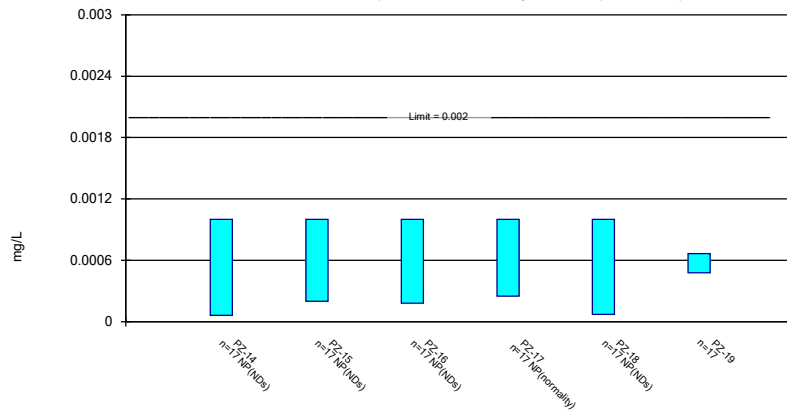
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Parametric and Non-Parametric (NP) Confidence Interval

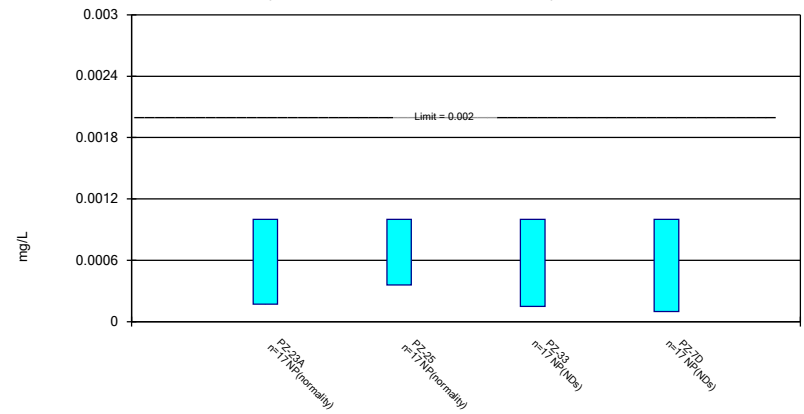
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

### Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 3/24/2023 2:26 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

# Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.003					
9/1/2016		0.001 (J)				
9/6/2016			<0.003			
9/7/2016				<0.003	<0.003	<0.003
12/7/2016	<0.003	<0.003	<0.003			
12/8/2016				<0.003	<0.003	<0.003
3/21/2017	0.0004 (J)					
3/22/2017		<0.003	<0.003	<0.003	<0.003	
3/23/2017						<0.003
7/11/2017	<0.003		<0.003			
7/12/2017		<0.003		<0.003	<0.003	<0.003
10/18/2017	<0.003	<0.003	<0.003	<0.003	<0.003	
10/19/2017						<0.003
2/20/2018	<0.003					
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003
7/11/2018	<0.003					
7/12/2018		<0.003	<0.003			<0.003
8/15/2018					<0.003	
8/16/2018				<0.003		
9/12/2018	<0.003					
9/13/2018		<0.003	<0.003		<0.003	
9/14/2018				<0.003		<0.003
10/2/2019	<0.003	<0.003	<0.003	<0.003		
10/3/2019					<0.003	0.00044 (X)
3/25/2020	<0.003			0.00094 (J)		
3/26/2020		<0.003	<0.003		0.0018 (J)	<0.003
8/26/2020	<0.003	0.00062 (J)	0.00037 (J)	0.00061 (J)		<0.003
8/27/2020					<0.003	
10/6/2020	<0.003		<0.003			
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003
3/3/2021	<0.003					<0.003
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003	
9/15/2021	<0.003	<0.003	<0.003			
9/16/2021				<0.003	<0.003	<0.003
1/26/2022	<0.003	<0.003	<0.003			
1/27/2022				<0.003	<0.003	<0.003
8/25/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2/14/2023	<0.003					
2/15/2023		<0.003	<0.003		<0.003	<0.003
2/16/2023				<0.003		
Mean	0.002847	0.002742	0.002845	0.002594	0.002835	0.002849
Std. Dev.	0.0006306	0.0007304	0.0006379	0.0009068	0.0004703	0.0006209
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0004	0.001	0.00037	0.00094	0.0018	0.00044



# Confidence Interval

Constituent: Antimony (mg/L)    Analysis Run 3/24/2023 2:28 PM    View: Confidence Interval  
 Plant Mitchell    Client: Southern Company    Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-33	PZ-7D
8/31/2016	<0.003		
9/1/2016			<0.003
12/7/2016	<0.003		<0.003
12/8/2016		<0.003	
3/21/2017	<0.003		
3/22/2017			<0.003
3/23/2017		<0.003	
7/11/2017	<0.003		
7/12/2017		<0.003	<0.003
10/18/2017	<0.003		
10/19/2017		<0.003	<0.003
2/20/2018	<0.003		
2/21/2018		<0.003	<0.003
7/11/2018	<0.003		
7/12/2018		<0.003	<0.003
9/13/2018	<0.003		<0.003
9/14/2018		<0.003	
10/4/2018		<0.003	
9/10/2019	<0.003		
10/3/2019		<0.003	0.00029 (X)
3/25/2020	<0.003		
3/26/2020		<0.003	0.00042 (J)
8/26/2020	0.00038 (J)	<0.003	0.00031 (J)
10/6/2020	<0.003		
10/7/2020		0.00037 (J)	<0.003
3/3/2021	0.0017 (J)		
3/4/2021		<0.003	<0.003
9/15/2021	<0.003		
9/16/2021		<0.003	<0.003
1/26/2022	<0.003		
1/27/2022		<0.003	<0.003
8/24/2022		0.00082 (J)	
8/25/2022	<0.003		<0.003
2/14/2023	<0.003		
2/15/2023			<0.003
2/16/2023		<0.003	
Mean	0.002769	0.002717	0.002531
Std. Dev.	0.0006915	0.0008027	0.001046
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.0017	0.00082	0.00042

# Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-19	PZ-23A	PZ-25
8/31/2016	<0.005				<0.005	
9/1/2016		<0.005				
9/7/2016			<0.005	<0.005		
9/8/2016						0.0017 (J)
12/7/2016	<0.005	<0.005			<0.005	
12/8/2016			<0.005	<0.005		<0.005
3/21/2017	<0.005				<0.005	
3/22/2017		0.0011 (J)	0.0007 (J)			0.001 (J)
3/23/2017				0.0007 (J)		
7/11/2017	<0.005				<0.005	<0.005
7/12/2017		0.0006 (J)	<0.005	<0.005		
10/18/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/19/2017				<0.005		
2/20/2018	<0.005				<0.005	
2/21/2018		0.00089 (J)	0.00072 (J)	<0.005		0.00071 (J)
7/11/2018	<0.005				<0.005	
7/12/2018		<0.005		<0.005		<0.005
8/16/2018			0.0007 (J)			
9/12/2018	<0.005					
9/13/2018		<0.005			<0.005	<0.005
9/14/2018			<0.005	<0.005		
9/10/2019					0.00036 (X)	
10/2/2019	0.00083 (X)	<0.005	<0.005			0.00063 (X)
10/3/2019				<0.005		
3/25/2020	<0.005		<0.005		<0.005	<0.005
3/26/2020		<0.005		<0.005		
8/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2021	<0.005	<0.005			<0.005	<0.005
9/16/2021			<0.005	<0.005		
1/26/2022	<0.005	<0.005			<0.005	<0.005
1/27/2022			<0.005	<0.005		
8/24/2022						<0.005
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	
2/14/2023	<0.005				<0.005	
2/15/2023		<0.005		<0.005		<0.005
2/16/2023			<0.005			
Mean	0.004722	0.004173	0.004141	0.004713	0.004691	0.003936
Std. Dev.	0.001077	0.001715	0.001778	0.00111	0.001198	0.00184
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00083	0.0011	0.00072	0.0007	0.00036	0.001

# Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-33
12/8/2016	<0.005
3/23/2017	0.0007 (J)
7/12/2017	<0.005
10/19/2017	<0.005
2/21/2018	0.00094 (J)
7/12/2018	<0.005
9/14/2018	<0.005
10/4/2018	<0.005
10/3/2019	<0.005
3/26/2020	<0.005
8/26/2020	<0.005
9/16/2021	<0.005
1/27/2022	<0.005
8/24/2022	<0.005
2/16/2023	<0.005
Mean	0.004443
Std. Dev.	0.001471
Upper Lim.	0.005
Lower Lim.	0.00094

# Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	0.0253					
9/1/2016		0.103				
9/6/2016			0.0794			
9/7/2016				0.0823	0.0717	0.067
12/7/2016	0.065	0.0781	0.0689			
12/8/2016				0.0668	0.0513	0.0522
3/21/2017	0.0379					
3/22/2017		0.0589	0.0423	0.0821	0.0273	
3/23/2017						0.0591
7/11/2017	0.036		0.0467			
7/12/2017		0.0613		0.0805	0.0269	0.0604
10/18/2017	0.0247	0.0617	0.0446	0.0776	0.0258	
10/19/2017						0.0542
2/20/2018	0.03					
2/21/2018		0.076	0.046	0.073	0.029	0.058
7/11/2018	0.027					
7/12/2018		0.056	0.043			0.057
8/15/2018					0.027	
8/16/2018				0.081		
9/12/2018	0.022					
9/13/2018		0.048	0.038		0.023	
9/14/2018				0.081		0.058
10/2/2019	0.017	0.049	0.038	0.074		
10/3/2019					0.025	0.057
3/25/2020	0.021			0.077		
3/26/2020		0.048	0.034		0.023	0.052
8/26/2020	0.016	0.053	0.036	0.077		0.049
8/27/2020					0.023	
10/6/2020	0.016		0.034			
10/7/2020		0.049		0.074	0.023	0.054
3/3/2021	0.017					0.055
3/4/2021		0.047	0.035	0.071	0.023	
9/15/2021	0.014	0.045	0.032			
9/16/2021				0.064	0.022	0.053
1/26/2022	0.016	0.055	0.034			
1/27/2022				0.072	0.025	0.055
8/25/2022	0.011	0.057	0.035	0.061	0.026	0.046
2/14/2023	0.014					
2/15/2023		0.048	0.033		0.026	0.051
2/16/2023				0.059		
Mean	0.02411	0.05847	0.04235	0.07372	0.02929	0.05517
Std. Dev.	0.01308	0.01493	0.013	0.00735	0.0128	0.004815
Upper Lim.	0.02979	0.0617	0.046	0.07833	0.0273	0.05819
Lower Lim.	0.0164	0.048	0.034	0.06912	0.023	0.05215

# Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	0.0407			
9/1/2016				0.0117
9/8/2016		0.102		
12/7/2016	0.0581			0.0133
12/8/2016		0.102	0.162 (o)	
3/21/2017	0.0678			
3/22/2017		0.0951		0.0114
3/23/2017			0.0753	
7/11/2017	0.0574	0.102		
7/12/2017			0.0756	0.0097 (J)
10/18/2017	0.0351	0.0997		
10/19/2017			0.0681	0.0091 (J)
2/20/2018	0.05			
2/21/2018		0.11	0.085	0.0086 (J)
7/11/2018	0.051			
7/12/2018		0.1	0.076	0.0093 (J)
9/13/2018	0.038	0.1		0.0078 (J)
9/14/2018			0.071	
10/4/2018			0.072	
9/10/2019	0.029			
10/2/2019		0.11		
10/3/2019			0.057	0.007 (X)
3/25/2020	0.048	0.11		
3/26/2020			0.057	0.0072 (J)
8/26/2020	0.039	0.1	0.051	0.007 (J)
10/6/2020	0.037			
10/7/2020		0.11	0.048	0.0061 (J)
3/3/2021	0.039	0.12		
3/4/2021			0.047	0.0061
9/15/2021	0.037	0.11		
9/16/2021			0.039	0.0062
1/26/2022	0.039	0.11		
1/27/2022			0.043	0.0068
8/24/2022		0.1	0.038	
8/25/2022	0.036			0.0058
2/14/2023	0.033			
2/15/2023		0.1		0.006
2/16/2023			0.04	
Mean	0.04324	0.1048	0.05894	0.008182
Std. Dev.	0.01044	0.006384	0.0157	0.002269
Upper Lim.	0.04979	0.11	0.06915	0.009458
Lower Lim.	0.0367	0.1	0.04872	0.006747

# Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-33
8/31/2016	0.0002 (J)	
12/7/2016	0.0002 (J)	
12/8/2016		<0.0005
3/21/2017	<0.0005	
3/23/2017		0.0001 (J)
7/11/2017	<0.0005	
7/12/2017		<0.0005
10/18/2017	<0.0005	
10/19/2017		<0.0005
2/20/2018	<0.0005	
2/21/2018		<0.0005
7/11/2018	<0.0005	
7/12/2018		<0.0005
9/13/2018	<0.0005	
9/14/2018		<0.0005
10/4/2018		<0.0005
8/26/2020	<0.0005	<0.0005
9/15/2021	<0.0005	
9/16/2021		<0.0005
1/26/2022	<0.0005	
1/27/2022		<0.0005
8/24/2022		<0.0005
8/25/2022	<0.0005	
2/14/2023	<0.0005	
2/16/2023		<0.0005
Mean	0.0004538	0.0004692
Std. Dev.	0.0001127	0.0001109
Upper Lim.	0.0005	0.0005
Lower Lim.	0.0002	0.0001

# Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval  
 Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33
8/31/2016	<0.01				<0.01	
9/6/2016		<0.005				
9/7/2016			<0.005	<0.005		
12/7/2016	<0.01	<0.005			<0.01	
12/8/2016			<0.005	<0.005		<0.005
3/21/2017	<0.01				0.0009 (J)	
3/22/2017		0.0008 (J)	<0.005			
3/23/2017				<0.005		0.0017 (J)
7/11/2017	<0.01	<0.005			0.0016 (J)	
7/12/2017			<0.005	<0.005		<0.005
10/18/2017	<0.01	<0.005	<0.005		0.0019 (J)	
10/19/2017				<0.005		<0.005
2/20/2018	<0.01				<0.01	
2/21/2018		<0.005	<0.005	<0.005		<0.005
7/11/2018	<0.01				0.0021 (J)	
7/12/2018		<0.005		<0.005		<0.005
8/15/2018			<0.005			
9/12/2018	<0.01					
9/13/2018		<0.005	<0.005		0.0022 (J)	
9/14/2018				<0.005		<0.005
10/4/2018						<0.005
9/10/2019					0.0044 (X)	
10/2/2019	<0.01	0.00044 (X)				
10/3/2019			<0.005	<0.005		<0.005
3/25/2020	0.0013 (J)				0.0012 (J)	
3/26/2020		0.0013 (J)	0.00056 (J)	0.00073 (J)		<0.005
8/26/2020	0.0011 (J)	0.00087 (J)		<0.005	0.0014 (J)	<0.005
8/27/2020			<0.005			
10/6/2020	0.00098 (J)	0.0011 (J)			0.0015 (J)	
10/7/2020			<0.005	<0.005		<0.005
3/3/2021	0.00097 (J)			<0.005	0.0015 (J)	
3/4/2021		0.0012 (J)	<0.005			<0.005
9/15/2021	0.0014 (J)	0.0011 (J)			0.0019 (J)	
9/16/2021			<0.005	<0.005		<0.005
1/26/2022	0.0012 (J)	0.0013 (J)			0.0028 (J)	
1/27/2022			<0.005	<0.005		<0.005
8/24/2022						<0.005
8/25/2022	0.0014 (J)	0.0012 (J)	<0.005	<0.005	0.0022 (J)	
2/14/2023	0.0018 (J)				0.0024 (J)	
2/15/2023		<0.005	<0.005	<0.005		
2/16/2023						<0.005
Mean	0.005891	0.002901	0.004739	0.004749	0.003412	0.004806
Std. Dev.	0.004496	0.00205	0.001077	0.001036	0.003237	0.0008004
Upper Lim.	0.01	0.005	0.005	0.005	0.0044	0.005
Lower Lim.	0.0012	0.00087	0.00056	0.00073	0.0014	0.0017

# Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-7D
9/1/2016	<0.01
12/7/2016	0.003 (J)
3/22/2017	0.0005 (J)
7/12/2017	<0.01
10/19/2017	0.0005 (J)
2/21/2018	<0.01
7/12/2018	<0.01
9/13/2018	<0.01
10/3/2019	0.0004 (X)
3/26/2020	0.0016 (J)
8/26/2020	0.0011 (J)
10/7/2020	0.0014 (J)
3/4/2021	0.0024 (J)
9/16/2021	0.0025 (J)
1/27/2022	0.0034 (J)
8/25/2022	0.0024 (J)
2/15/2023	0.0034 (J)
Mean	0.004271
Std. Dev.	0.003923
Upper Lim.	0.001981
Lower Lim.	0.0007428



# Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.005					
9/1/2016		0.0012 (J)				
9/6/2016			0.0005 (J)			
9/7/2016				0.0011 (J)	0.0011 (J)	0.0012 (J)
12/7/2016	0.002 (J)	0.0005 (J)	<0.005			
12/8/2016				0.0006 (J)	<0.005	0.0009 (J)
3/21/2017	<0.005					
3/22/2017		0.0005 (J)	<0.005	0.0006 (J)	<0.005	
3/23/2017						<0.005
7/11/2017	0.0003 (J)		<0.005			
7/12/2017		0.0004 (J)		0.0005 (J)	<0.005	<0.005
10/18/2017	<0.005	0.0004 (J)	<0.005	0.0005 (J)	<0.005	
10/19/2017						<0.005
2/20/2018	<0.005					
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018	<0.005					
7/12/2018		<0.005	<0.005			<0.005
8/15/2018					<0.005	
8/16/2018				<0.005		
9/12/2018	<0.005					
9/13/2018		<0.005	<0.005		<0.005	
9/14/2018				<0.005		<0.005
10/2/2019	<0.005	<0.005	<0.005	<0.005		
10/3/2019					<0.005	<0.005
3/25/2020	<0.005			0.00032 (J)		
3/26/2020		<0.005	<0.005		<0.005	<0.005
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005
8/27/2020					<0.005	
10/6/2020	<0.005		<0.005			
10/7/2020		<0.005		<0.005	<0.005	<0.005
3/3/2021	<0.005					<0.005
3/4/2021		<0.005	<0.005	<0.005	<0.005	
9/15/2021	<0.005	<0.005	<0.005			
9/16/2021				<0.005	<0.005	<0.005
1/26/2022	<0.005	<0.005	<0.005			
1/27/2022				<0.005	<0.005	<0.005
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/14/2023	<0.005					
2/15/2023		<0.005	<0.005		<0.005	<0.005
2/16/2023				<0.005		
Mean	0.004547	0.003706	0.004735	0.003448	0.004771	0.004535
Std. Dev.	0.001313	0.002073	0.001091	0.002171	0.0009459	0.001313
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.002	0.0005	0.0005	0.0006	0.0011	0.0012

# Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.005		
9/8/2016		0.0008 (J)	
12/7/2016	0.0008 (J)		
12/8/2016		<0.01	0.0041 (J)
3/21/2017	<0.005		
3/22/2017		0.001 (J)	
3/23/2017			0.0008 (J)
7/11/2017	<0.005	0.001 (J)	
7/12/2017			0.0007 (J)
10/18/2017	<0.005	0.0011 (J)	
10/19/2017			0.0005 (J)
2/20/2018	<0.005		
2/21/2018		0.00075 (J)	0.0012 (J)
7/11/2018	<0.005		
7/12/2018		0.0008 (J)	0.00053 (J)
9/13/2018	<0.005	0.001 (J)	
9/14/2018			<0.005
10/4/2018			<0.005
9/10/2019	<0.005		
10/2/2019		0.0017 (X)	
10/3/2019			<0.005
3/25/2020	0.0003 (J)	0.0018 (J)	
3/26/2020			<0.005
8/26/2020	0.00058 (J)	0.0016 (J)	<0.005
10/6/2020	0.00067 (J)		
10/7/2020		0.0014 (J)	<0.005
3/3/2021	0.00049 (J)	0.0016 (J)	
3/4/2021			<0.005
9/15/2021	<0.005	0.002 (J)	
9/16/2021			<0.005
1/26/2022	<0.005	0.0016 (J)	
1/27/2022			<0.005
8/24/2022		0.0016 (J)	<0.005
8/25/2022	<0.005		
2/14/2023	<0.005		
2/15/2023		0.0012 (J)	
2/16/2023			<0.005
Mean	0.003696	0.001526	0.003696
Std. Dev.	0.002084	0.000975	0.00198
Upper Lim.	0.005	0.0017	0.005
Lower Lim.	0.00067	0.0008	0.0008

# Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	1.77					
9/1/2016		1.19				
9/6/2016			1.12			
9/7/2016				1.06 (U)	1.51	1.22
12/7/2016	0.672 (U)	1.88	1.37			
12/8/2016				1.3	1.29	1.69
3/21/2017	0.33 (U)					
3/22/2017		0.617 (U)	0.435 (U)	0.566 (U)	0.799 (U)	
3/23/2017						1.07
7/11/2017	0.701 (U)		0.76 (U)			
7/12/2017		0.674 (U)		0.856 (U)	0.4 (U)	0.849 (U)
10/18/2017	0.808 (U)	0.844 (U)	0.847 (U)	0.957	0.613 (U)	
10/19/2017						0.398 (U)
2/20/2018	2.12					
2/21/2018		0.842 (U)	0.373 (U)	1.4	0.736 (U)	1.03 (U)
7/11/2018	0.232 (U)					
7/12/2018		0.552 (U)	0.408 (U)			1.28 (U)
9/12/2018	0.532 (U)					
9/13/2018		0.662 (U)	0.472 (U)		0.708 (U)	
9/14/2018				1.16		0.74 (U)
10/2/2019	0.915 (U)	1 (U)	0.65 (U)	1.34 (U)		
10/3/2019					2.07	1.9
3/25/2020	0.694 (U)			0.385 (U)		
3/26/2020		0.863 (U)	0.522 (U)		1.05	1.66
8/26/2020	0.115 (U)	0.681 (U)	0.499 (U)	1.62		0.703 (U)
10/6/2020	0.265 (U)		1.12 (U)			
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893
3/3/2021	0.328 (U)					0.469 (U)
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)	
9/15/2021	0.872 (U)	0.729 (U)	0.721 (U)			
9/16/2021				0.377 (U)	0.681 (U)	1.4
1/26/2022	0.185 (U)	0.879 (U)	0.117 (U)			
1/27/2022				0.314 (U)	0.418 (U)	0.255 (U)
8/25/2022	0.453 (U)	1.05	0.728 (U)	0.98 (U)	0.0434 (U)	0.937
2/14/2023	0.0857 (U)					
2/15/2023		0.875 (U)	0.137 (U)		0.828	0.652 (U)
2/16/2023				0.129 (U)		
Mean	0.6516	0.896	0.6284	0.8506	0.8006	1.009
Std. Dev.	0.5572	0.3187	0.3423	0.4489	0.51	0.4695
Upper Lim.	0.8939	1.052	0.8429	1.143	1.146	1.303
Lower Lim.	0.2977	0.7051	0.4139	0.5586	0.4551	0.7144

# Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	1.85			
9/1/2016				0.88 (U)
9/8/2016		1.41		
12/7/2016	0.844 (U)			0.179 (U)
12/8/2016		1.39	0.968 (U)	
3/21/2017	0.832 (U)			
3/22/2017		0.852 (U)		0.279 (U)
3/23/2017			0.444 (U)	
7/11/2017	0.824 (U)	1.04		
7/12/2017			0.814 (U)	0.125 (U)
10/18/2017	1.19	0.678 (U)		
10/19/2017			0.748 (U)	0.329 (U)
2/20/2018	0.975 (U)			
2/21/2018		0.863 (U)	1.05 (U)	0.504 (U)
7/11/2018	1.29			
7/12/2018		1.42	0.751 (U)	0.188 (U)
9/13/2018	0.765 (U)	0.766 (U)		0.0542 (U)
9/14/2018			1.01 (U)	
10/4/2018			1.05	
9/10/2019	0.575 (U)			
10/2/2019		1.48		
10/3/2019			1.62 (U)	1.37
3/25/2020	1.39	0.91 (U)		
3/26/2020			0.473 (U)	0.43 (U)
8/26/2020	0.774 (U)	0.95 (U)	0.782 (U)	0.572 (U)
10/6/2020	1.24 (U)			
10/7/2020		1.01 (U)	0.442 (U)	0.232 (U)
3/3/2021	1.01 (U)	0.545 (U)		
3/4/2021			1.03 (U)	0.529 (U)
9/15/2021	0.742 (U)	1.07 (U)		
9/16/2021			0.184 (U)	0.382 (U)
1/26/2022	0.76 (U)	0.282 (U)		
1/27/2022			0.259 (U)	0.315 (U)
8/24/2022		0.764 (U)	0.764 (U)	
8/25/2022	0.396 (U)			0.771 (U)
2/14/2023	0.521 (U)			
2/15/2023		0.484 (U)		0.496 (U)
2/16/2023			0.765	
Mean	0.9399	0.9361	0.7738	0.4491
Std. Dev.	0.3606	0.3463	0.3494	0.324
Upper Lim.	1.166	1.153	0.9927	0.602
Lower Lim.	0.7139	0.7191	0.5548	0.2385

# Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	0.13 (J)					
9/1/2016		0.06 (J)				
9/6/2016			0.09 (J)			
9/7/2016				0.03 (J)	0.12 (J)	0.15 (J)
12/7/2016	0.07 (J)	0.09 (J)	0.09 (J)			
12/8/2016				0.18 (J)	0.18 (J)	0.12 (J)
3/21/2017	<0.1					
3/22/2017		0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)	
3/23/2017						0.14 (J)
7/11/2017	0.05 (J)		0.05 (J)			
7/12/2017		0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)
10/18/2017	0.11 (J)	0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)	
10/19/2017						<0.3
2/20/2018	0.04 (J)					
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37
7/11/2018	<0.1					
7/12/2018		<0.1	<0.1			0.17 (J)
8/15/2018					<0.1	
8/16/2018				0.073 (J)		
9/12/2018	<0.1					
9/13/2018		0.15 (J)	<0.1		<0.1	
9/14/2018				<0.1		<0.3
3/27/2019	<0.1		<0.1		<0.1	
3/28/2019		0.1		0.15		0.074
10/2/2019	0.056 (X)	0.075 (X)	0.053 (X)	0.063 (X)		
10/3/2019					0.043 (X)	0.084 (X)
3/25/2020	<0.1			<0.1		
3/26/2020		0.056 (J)	<0.1		<0.1	0.077 (J)
8/26/2020	<0.1	<0.1	<0.1	<0.1		0.062 (J)
8/27/2020					<0.1	
10/6/2020	<0.1		<0.1			
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)
3/3/2021	<0.1					0.058 (J)
3/4/2021		<0.1	<0.1	<0.1	<0.1	
9/15/2021	<0.1	<0.1	<0.1			
9/16/2021				0.052 (J)	<0.1	0.067 (J)
1/26/2022	<0.1	<0.1	<0.1			
1/27/2022				<0.1	<0.1	0.056 (J)
8/25/2022	0.051 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)
2/14/2023	<0.1					
2/15/2023		0.064 (J)	0.053 (J)		<0.1	0.086 (J)
2/16/2023				0.077 (J)		
Mean	0.08928	0.1051	0.08189	0.1157	0.0995	0.113
Std. Dev.	0.02458	0.04433	0.02447	0.06239	0.03382	0.07457
Upper Lim.	0.11	0.1118	0.1	0.1225	0.12	0.15
Lower Lim.	0.056	0.06926	0.053	0.05972	0.08	0.064

# Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	0.13 (J)			
9/1/2016				<0.1
9/8/2016		0.25 (J)		
12/7/2016	0.13 (J)			0.15 (J)
12/8/2016		0.22 (J)	0.21 (J)	
3/21/2017	0.05 (J)			
3/22/2017		0.16 (J)		0.09 (J)
3/23/2017			0.18 (J)	
7/11/2017	0.05 (J)	0.23 (J)		
7/12/2017			0.06 (J)	0.02 (J)
10/18/2017	<0.1	0.28 (J)		
10/19/2017			<0.1	<0.1
2/20/2018	0.3 (J)			
2/21/2018		0.29 (J)	0.039 (J)	0.045 (J)
7/11/2018	0.077 (J)			
7/12/2018		0.21 (J)	<0.1	<0.1
9/13/2018	<0.1	0.22 (J)		<0.1
9/14/2018			<0.1	
10/4/2018			0.15 (J)	
3/27/2019	<0.1	0.37		
3/28/2019			<0.1	<0.1
9/10/2019	<0.1			
10/2/2019		0.16 (X)		
10/3/2019			0.06 (X)	0.041 (X)
3/25/2020	0.066 (J)	0.13 (J)		
3/26/2020			<0.1	<0.1
8/26/2020	0.057 (J)	0.14	<0.1	<0.1
10/6/2020	0.052 (J)			
10/7/2020		0.13	<0.1	<0.1
3/3/2021	<0.1	0.12		
3/4/2021			<0.1	<0.1
9/15/2021	<0.1	0.14		
9/16/2021			<0.1	<0.1
1/26/2022	<0.1	0.11		
1/27/2022			<0.1	<0.1
8/24/2022		0.15	0.092 (J)	
8/25/2022	0.074 (J)			0.056 (J)
2/14/2023	0.084 (J)			
2/15/2023		0.16		0.05 (J)
2/16/2023			0.082 (J)	
Mean	0.09833	0.1928	0.1041	0.08622
Std. Dev.	0.05611	0.07094	0.04059	0.03118
Upper Lim.	0.13	0.2357	0.15	0.1
Lower Lim.	0.057	0.1499	0.082	0.05

# Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-15	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33
8/31/2016					<0.001	
9/1/2016	<0.001					
9/6/2016		<0.001				
9/7/2016			<0.001	<0.001		
12/7/2016	<0.001	<0.001			<0.001	
12/8/2016			<0.001	<0.001		<0.001
3/21/2017					<0.001	
3/22/2017	5E-05 (J)	<0.001	<0.001			
3/23/2017				<0.001		9E-05 (J)
7/11/2017		<0.001			<0.001	
7/12/2017	<0.001		<0.001	<0.001		<0.001
10/18/2017	<0.001	<0.001	<0.001		<0.001	
10/19/2017				<0.001		<0.001
2/20/2018					<0.001	
2/21/2018	<0.001	<0.001	0.00043 (J)	<0.001		<0.001
7/11/2018					<0.001	
7/12/2018	<0.001	<0.001		<0.001		<0.001
8/15/2018			<0.001			
9/13/2018	<0.001	<0.001	<0.001		<0.001	
9/14/2018				<0.001		<0.001
10/4/2018						<0.001
9/10/2019					<0.001	
10/2/2019	<0.001	8.1E-05 (X)				
10/3/2019			<0.001	<0.001		4.7E-05 (X)
3/25/2020					0.00015 (J)	
3/26/2020	<0.001	<0.001	<0.001	<0.001		<0.001
8/26/2020	<0.001	<0.001		<0.001	<0.001	<0.001
8/27/2020			<0.001			
10/6/2020		<0.001			4.7E-05 (J)	
10/7/2020	<0.001		4.2E-05 (J)	4.2E-05 (J)		<0.001
3/3/2021				<0.001	5.8E-05 (J)	
3/4/2021	<0.001	<0.001	<0.001			<0.001
9/15/2021	<0.001	<0.001			<0.001	
9/16/2021			<0.001	<0.001		<0.001
1/26/2022	<0.001	<0.001			<0.001	
1/27/2022			<0.001	<0.001		<0.001
8/24/2022						<0.001
8/25/2022	<0.001	<0.001	<0.001	<0.001	<0.001	
2/14/2023					<0.001	
2/15/2023	<0.001	<0.001	<0.001	<0.001		
2/16/2023						<0.001
Mean	0.0009441	0.0009459	0.0009101	0.0009436	0.0008385	0.0008904
Std. Dev.	0.0002304	0.0002229	0.0002628	0.0002323	0.0003601	0.0003094
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	5E-05	8.1E-05	0.00043	4.2E-05	0.00015	9E-05

# Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-7D
9/1/2016	<0.001
12/7/2016	<0.001
3/22/2017	<0.001
7/12/2017	<0.001
10/19/2017	<0.001
2/21/2018	<0.001
7/12/2018	<0.001
9/13/2018	<0.001
10/3/2019	<0.001
3/26/2020	<0.001
8/26/2020	<0.001
10/7/2020	<0.001
3/4/2021	4.1E-05 (J)
9/16/2021	<0.001
1/27/2022	<0.001
8/25/2022	<0.001
2/15/2023	<0.001
Mean	0.0009436
Std. Dev.	0.0002326
Upper Lim.	0.001
Lower Lim.	4.1E-05



# Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016	<0.03					<0.03
9/1/2016		<0.05				
9/7/2016			<0.05	<0.05	0.0082 (J)	
12/7/2016	0.003 (J)	<0.05				<0.03
12/8/2016			<0.05	<0.05	0.0061 (J)	
3/21/2017	<0.03					<0.03
3/22/2017		0.0011 (J)	0.0021 (J)	0.0029 (J)		
3/23/2017					0.0122 (J)	
7/11/2017	<0.03					<0.03
7/12/2017		<0.05	0.002 (J)	0.0024 (J)	0.013 (J)	
10/18/2017	<0.03	<0.05	0.002 (J)	0.0027 (J)		<0.03
10/19/2017					0.013 (J)	
2/20/2018	<0.03					<0.03
2/21/2018		<0.05	0.0022 (J)	0.0021 (J)	0.0085 (J)	
7/11/2018	<0.03					<0.03
7/12/2018		0.0012 (J)			0.013 (J)	
8/15/2018				0.0027 (J)		
8/16/2018			0.0027 (J)			
9/12/2018	<0.03					
9/13/2018		0.0013 (J)		0.0029 (J)		<0.03
9/14/2018			0.0025 (J)		0.018 (J)	
9/10/2019						<0.03
10/2/2019	<0.03	0.0013 (X)	0.0024 (X)			
10/3/2019				0.0027 (X)	0.016 (X)	
3/25/2020	<0.03		0.003 (J)			0.0011 (J)
3/26/2020		0.0014 (J)		0.0027 (J)	0.013 (J)	
8/26/2020	<0.03	0.0013 (J)	0.0028 (J)		0.011 (J)	0.0011 (J)
8/27/2020				0.0025 (J)		
10/6/2020	<0.03					0.00097 (J)
10/7/2020		0.0013 (J)	0.0029 (J)	0.003 (J)	0.013 (J)	
3/3/2021	<0.03				0.015 (J)	0.001 (J)
3/4/2021		0.0014 (J)	0.002 (J)	0.0029 (J)		
9/15/2021	<0.03	0.0013 (J)				0.00085 (J)
9/16/2021			0.0021 (J)	0.0023 (J)	0.013 (J)	
1/26/2022	<0.03	0.0013 (J)				<0.03
1/27/2022			0.0022 (J)	0.003 (J)	0.016 (J)	
8/25/2022	<0.03	0.0012 (J)	0.0018 (J)	0.0033 (J)	0.012 (J)	<0.03
2/14/2023	<0.03					<0.03
2/15/2023		0.001 (J)		0.0027 (J)	0.011 (J)	
2/16/2023			0.0014 (J)			
Mean	0.02841	0.01559	0.004947	0.005341	0.01247	0.02147
Std. Dev.	0.006548	0.02289	0.007559	0.007405	0.002987	0.01362
Upper Lim.	0.03	0.05	0.0029	0.0033	0.01434	0.03
Lower Lim.	0.003	0.0012	0.002	0.0025	0.0106	0.001

# Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-7D
9/1/2016		0.0022 (J)
9/8/2016	0.0038 (J)	
12/7/2016		0.0023 (J)
12/8/2016	0.0038 (J)	
3/22/2017	0.0068 (J)	0.0025 (J)
7/11/2017	0.0059 (J)	
7/12/2017		0.0033 (J)
10/18/2017	0.0057 (J)	
10/19/2017		<0.25
2/21/2018	0.0063 (J)	0.0034 (J)
7/12/2018	0.0063 (J)	0.0038 (J)
9/13/2018	0.0061 (J)	0.0026 (J)
10/2/2019	0.0074 (X)	
10/3/2019		0.0032 (X)
3/25/2020	0.0066 (J)	
3/26/2020		0.0031 (J)
8/26/2020	0.0065 (J)	0.0023 (J)
10/7/2020	0.0063 (J)	0.0023 (J)
3/3/2021	0.0061 (J)	
3/4/2021		0.0031 (J)
9/15/2021	0.0061 (J)	
9/16/2021		0.0025 (J)
1/26/2022	0.008 (J)	
1/27/2022		0.0039 (J)
8/24/2022	0.0073 (J)	
8/25/2022		0.003 (J)
2/15/2023	0.0057 (J)	0.0037 (J)
Mean	0.006159	0.01013
Std. Dev.	0.001079	0.02961
Upper Lim.	0.006843	0.0037
Lower Lim.	0.005588	0.0023

# Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.0002					
9/1/2016		<0.0002				
9/6/2016			<0.0002			
9/7/2016				<0.0002	<0.0002	<0.0002
12/7/2016	7E-05 (J)	<0.0002	<0.0002			
12/8/2016				<0.0002	<0.0002	<0.0002
3/21/2017	<0.0002					
3/22/2017		<0.0002	<0.0002	<0.0002	<0.0002	
3/23/2017						<0.0002
7/11/2017	<0.0002		<0.0002			
7/12/2017		<0.0002		<0.0002	<0.0002	<0.0002
10/18/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
10/19/2017						<0.0002
2/20/2018	<0.0002					
2/21/2018		9.7E-05 (J)	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)
7/11/2018	<0.0002					
7/12/2018		<0.0002	<0.0002			<0.0002
8/15/2018					<0.0002	
8/16/2018				<0.0002		
9/12/2018	<0.0002					
9/13/2018		<0.0002	<0.0002		<0.0002	
9/14/2018				<0.0002		<0.0002
8/26/2020	0.00015 (J)	<0.0002	<0.0002	<0.0002		0.0001 (J)
8/27/2020					<0.0002	
10/6/2020	<0.0002		<0.0002			
10/7/2020		<0.0002		<0.0002	<0.0002	<0.0002
3/3/2021	<0.0002					<0.0002
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002	
9/15/2021	<0.0002	<0.0002	<0.0002			
9/16/2021				<0.0002	<0.0002	<0.0002
1/26/2022	<0.0002	<0.0002	<0.0002			
1/27/2022				<0.0002	<0.0002	<0.0002
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/14/2023	<0.0002					
2/15/2023		<0.0002	<0.0002		<0.0002	<0.0002
2/16/2023				<0.0002		
Mean	0.000188	0.0001931	0.0001912	0.0001924	0.0001905	0.000183
Std. Dev.	3.509E-05	2.659E-05	3.408E-05	2.943E-05	3.692E-05	4.605E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00015	9.7E-05	6.8E-05	8.6E-05	5.7E-05	0.0001

# Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	<0.0002			
9/1/2016				<0.0002
9/8/2016		<0.0002		
12/7/2016	9E-05 (J)			6E-05 (J)
12/8/2016		<0.0002	<0.0002	
3/21/2017	<0.0002			
3/22/2017		<0.0002		<0.0002
3/23/2017			<0.0002	
7/11/2017	<0.0002	<0.0002		
7/12/2017			<0.0002	<0.0002
10/18/2017	<0.0002	<0.0002		
10/19/2017			<0.0002	<0.0002
2/20/2018	<0.0002			
2/21/2018		5.3E-05 (J)	4.3E-05 (J)	5.3E-05 (J)
7/11/2018	<0.0002			
7/12/2018		<0.0002	<0.0002	<0.0002
9/13/2018	<0.0002	<0.0002		<0.0002
9/14/2018			4.1E-05 (J)	
10/4/2018			<0.0002	
8/26/2020	0.00017 (J)	<0.0002	0.00011 (J)	<0.0002
10/6/2020	<0.0002			
10/7/2020		<0.0002	<0.0002	<0.0002
3/3/2021	<0.0002	<0.0002		
3/4/2021			<0.0002	<0.0002
9/15/2021	<0.0002	<0.0002		
9/16/2021			<0.0002	<0.0002
1/26/2022	<0.0002	<0.0002		
1/27/2022			<0.0002	<0.0002
8/24/2022			<0.0002	
8/25/2022	<0.0002			<0.0002
10/11/2022		<0.0002		
2/14/2023	<0.0002			
2/15/2023		<0.0002		<0.0002
2/16/2023			<0.0002	
Mean	0.0001907	0.0001902	0.0001729	0.0001809
Std. Dev.	2.89E-05	3.796E-05	5.797E-05	5.051E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00017	5.3E-05	0.00011	6E-05

# Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-19	PZ-23A
8/31/2016	<0.01					<0.01
9/1/2016		<0.01				
9/6/2016			<0.01			
9/7/2016				<0.01	0.0027 (J)	
12/7/2016	<0.01	<0.01	<0.01			<0.01
12/8/2016				<0.01	0.0022 (J)	
3/21/2017	0.0005 (J)					0.0006 (J)
3/22/2017		0.0004 (J)	0.0004 (J)	0.0004 (J)		
3/23/2017					0.0025 (J)	
7/11/2017	<0.01		<0.01			<0.01
7/12/2017		<0.01		<0.01	0.0022 (J)	
10/18/2017	<0.01	<0.01	<0.01	<0.01		<0.01
10/19/2017					0.0021 (J)	
2/20/2018	<0.01					<0.01
2/21/2018		<0.01	<0.01	<0.01	<0.01	
7/11/2018	<0.01					<0.01
7/12/2018		<0.01	<0.01		0.0022 (J)	
8/16/2018				<0.01		
9/12/2018	<0.01					
9/13/2018		<0.01	<0.01			<0.01
9/14/2018				<0.01	0.0023 (J)	
9/10/2019						<0.01
10/2/2019	<0.01	<0.01	<0.01	<0.01		
10/3/2019					0.0024 (X)	
3/25/2020	<0.01			<0.01		0.0011 (J)
3/26/2020		<0.01	<0.01		0.0021 (J)	
8/26/2020	<0.01	<0.01	<0.01	<0.01	0.002 (J)	<0.01
10/6/2020	<0.01		<0.01			<0.01
10/7/2020		<0.01		<0.01	0.0019 (J)	
3/3/2021	<0.01				0.0021 (J)	<0.01
3/4/2021		<0.01	<0.01	<0.01		
9/15/2021	<0.01	<0.01	<0.01			<0.01
9/16/2021				<0.01	0.0021 (J)	
1/26/2022	<0.01	<0.01	<0.01			<0.01
1/27/2022				<0.01	0.0022 (J)	
8/25/2022	<0.01	<0.01	<0.01	<0.01	0.0017 (J)	<0.01
2/14/2023	<0.01					<0.01
2/15/2023		<0.01	<0.01		0.0016 (J)	
2/16/2023				<0.01		
Mean	0.009441	0.009435	0.009435	0.009435	0.002312	0.008924
Std. Dev.	0.002304	0.002328	0.002328	0.002328	0.0007415	0.00304
Upper Lim.	0.01	0.01	0.01	0.01	0.0024	0.01
Lower Lim.	0.0005	0.0004	0.0004	0.0004	0.002	0.0011

# Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval  
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

---

	PZ-25
9/8/2016	<0.01
12/8/2016	<0.01
3/22/2017	0.001 (J)
7/11/2017	<0.01
10/18/2017	<0.01
2/21/2018	<0.01
7/12/2018	<0.01
9/13/2018	<0.01
10/2/2019	<0.01
3/25/2020	<0.01
8/26/2020	<0.01
10/7/2020	<0.01
3/3/2021	<0.01
9/15/2021	<0.01
1/26/2022	<0.01
8/24/2022	<0.01
2/15/2023	<0.01
Mean	0.009471
Std. Dev.	0.002183
Upper Lim.	0.01
Lower Lim.	0.001

# Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-19	PZ-23A	PZ-7D
8/31/2016	0.0012 (J)			0.0014 (J)	
9/1/2016		<0.005			<0.005
9/7/2016			<0.01		
12/7/2016	<0.005	<0.005		<0.01	<0.005
12/8/2016			<0.01		
3/21/2017	<0.005			<0.01	
3/22/2017		<0.005			<0.005
3/23/2017			<0.01		
7/11/2017	<0.005			<0.01	
7/12/2017		<0.005	<0.01		<0.005
10/18/2017	<0.005	<0.005		<0.01	
10/19/2017			<0.01		<0.005
2/20/2018	<0.005			<0.01	
2/21/2018		<0.005	<0.01		<0.005
7/11/2018	<0.005			<0.01	
7/12/2018		<0.005	<0.01		<0.005
9/12/2018	<0.005				
9/13/2018		<0.005		<0.01	<0.005
9/14/2018			0.0015 (J)		
9/10/2019				0.0018 (X)	
10/2/2019	0.0015 (X)	<0.005			
10/3/2019			0.0034 (X)		0.0017 (X)
3/25/2020	<0.005			0.003 (J)	
3/26/2020		<0.005	0.0016 (J)		<0.005
8/26/2020	<0.005	0.0018 (J)	0.0031 (J)	0.0026 (J)	0.0018 (J)
10/6/2020	<0.005			0.0027 (J)	
10/7/2020		<0.005	0.0035 (J)		<0.005
3/3/2021	<0.005		0.0033 (J)	0.0025 (J)	
3/4/2021		<0.005			0.0018 (J)
9/15/2021	<0.005	<0.005		0.0024 (J)	
9/16/2021			0.0033 (J)		<0.005
1/26/2022	<0.005	<0.005		0.0023 (J)	
1/27/2022			0.005		0.0018 (J)
8/25/2022	<0.005	<0.005	0.0019 (J)	0.0023 (J)	0.0017 (J)
2/14/2023	<0.005			0.0015 (J)	
2/15/2023		<0.005	0.0036 (J)		0.0017 (J)
Mean	0.004571	0.004812	0.005894	0.005441	0.003853
Std. Dev.	0.001213	0.0007761	0.003631	0.003951	0.001601
Upper Lim.	0.005	0.005	0.01	0.01	0.005
Lower Lim.	0.0015	0.0018	0.0031	0.0018	0.0018

# Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/31/2016	<0.001					
9/1/2016		<0.001				
9/6/2016			<0.001			
9/7/2016				<0.001	<0.001	<0.001
12/7/2016	<0.001	<0.001	<0.001			
12/8/2016				<0.001	<0.001	0.0003 (J)
3/21/2017	6E-05 (J)					
3/22/2017		<0.001	0.0002 (J)	<0.001	4E-05 (J)	
3/23/2017						0.0003 (J)
7/11/2017	<0.001		0.0002 (J)			
7/12/2017		<0.001		<0.001	<0.001	0.0004 (J)
10/18/2017	<0.001	<0.001	0.0002 (J)	<0.001	5E-05 (J)	
10/19/2017						0.0005 (J)
2/20/2018	<0.001					
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)
7/11/2018	<0.001					
7/12/2018		<0.001	<0.001			0.00077 (J)
8/15/2018					<0.001	
8/16/2018				<0.001		
9/12/2018	<0.001					
9/13/2018		<0.001	0.00017 (J)		<0.001	
9/14/2018				<0.001		0.00076 (J)
10/2/2019	<0.001	0.00016 (X)	5.3E-05 (X)	0.00016 (X)		
10/3/2019					<0.001	0.00071 (X)
3/25/2020	<0.001			0.0002 (J)		
3/26/2020		0.00014 (J)	<0.001		7.1E-05 (J)	0.00068 (J)
8/26/2020	<0.001	0.00027 (J)	<0.001	0.00025 (J)		0.00056 (J)
8/27/2020					<0.001	
10/6/2020	<0.001		<0.001			
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)
3/3/2021	<0.001					0.00072 (J)
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001	
9/15/2021	<0.001	0.0002 (J)	<0.001			
9/16/2021				0.00034 (J)	<0.001	0.00066 (J)
1/26/2022	<0.001	<0.001	<0.001			
1/27/2022				0.00038 (J)	<0.001	0.00063 (J)
8/25/2022	<0.001	<0.001	<0.001	0.00037 (J)	<0.001	0.00053 (J)
2/14/2023	<0.001					
2/15/2023		<0.001	<0.001		<0.001	0.00051 (J)
2/16/2023				0.00038 (J)		
Mean	0.0009447	0.0007182	0.0007061	0.0006288	0.000833	0.0005718
Std. Dev.	0.000228	0.0003941	0.0004115	0.0003664	0.0003719	0.000149
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0006651
Lower Lim.	6E-05	0.0002	0.00018	0.00025	7.1E-05	0.0004784



# Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/24/2023 2:28 PM View: Confidence Interval

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	<0.001			
9/1/2016				<0.001
9/8/2016		<0.001		
12/7/2016	0.0002 (J)			<0.001
12/8/2016		<0.001	<0.001	
3/21/2017	0.0003 (J)			
3/22/2017		<0.001		0.0002 (J)
3/23/2017			0.0001 (J)	
7/11/2017	0.0002 (J)	<0.001		
7/12/2017			0.0001 (J)	0.0001 (J)
10/18/2017	0.0001 (J)	<0.001		
10/19/2017			0.0001 (J)	0.0001 (J)
2/20/2018	0.00026 (J)			
2/21/2018		<0.001	<0.001	<0.001
7/11/2018	0.00018 (J)			
7/12/2018		<0.001	<0.001	<0.001
9/13/2018	<0.001	<0.001		<0.001
9/14/2018			<0.001	
10/4/2018			<0.001	
9/10/2019	<0.001			
10/2/2019		0.00024 (X)		
10/3/2019			0.00018 (X)	7.8E-05 (X)
3/25/2020	0.00015 (J)	0.00037 (J)		
3/26/2020			0.00015 (J)	8.5E-05 (J)
8/26/2020	0.00016 (J)	0.00037 (J)	<0.001	<0.001
10/6/2020	<0.001			
10/7/2020		0.00027 (J)	<0.001	<0.001
3/3/2021	0.00017 (J)	0.00036 (J)		
3/4/2021			<0.001	<0.001
9/15/2021	<0.001	0.00066 (J)		
9/16/2021			<0.001	<0.001
1/26/2022	<0.001	0.00039 (J)		
1/27/2022			<0.001	<0.001
8/24/2022		0.00048 (J)	<0.001	
8/25/2022	<0.001			<0.001
2/14/2023	<0.001			
2/15/2023		0.00045 (J)		<0.001
2/16/2023			<0.001	
Mean	0.0005718	0.0006818	0.0007429	0.000739
Std. Dev.	0.0004183	0.0003214	0.0004109	0.0004175
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00017	0.00036	0.00015	0.0001

