

2021 Annual Groundwater Monitoring and Corrective Action Report

Georgia Power Company – Plant Mitchell

Ash Ponds A, 1, and 2 Putney, Georgia

Project No.: 6122160170

Prepared for:



Atlanta, Georgia 7/30/2021

CERTIFICATION STATEMENT

This 2021 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company Plant Mitchell - Ash Ponds A, 1, and 2, Putney, Georgia has been prepared in compliance with Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 under the supervision of a licensed professional engineer and a licensed professional geologist with Wood Environment & Infrastructure Solutions, Inc.

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SUMMARY

This summary of the 2021 Annual Groundwater Monitoring and Corrective Action Report provides the status of groundwater monitoring and corrective action program from the second half of 2020 through the first half of 2021 at Georgia Power Company's (Georgia Power's) Plant Mitchell Ash Ponds A, 1 and 2 (the Site). This summary was prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ 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 Company'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,



Plant Mitchell Ash Ponds A, 1, & 2

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 Application was submitted to Georgia Environmental Protection Division (GA EPD) in November 2018 and is currently being revised per GA EPD comments.

The groundwater monitoring program for the ash ponds is managed in accordance with the GA EPD CCR Rules. A well network around each ash pond monitors the groundwater conditions at the Site. The current monitoring well network at Ash Ponds A, 1, and 2 consists of 14 wells (4 upgradient and 10 downgradient wells). Twenty-five piezometers are used for water level measurements only. The monitoring wells were installed from June 2014 through March 2020 and meet federal and state monitoring requirements. The piezometers were installed from

¹ 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020

February 1995 to July 2016. Groundwater monitoring has been initiated in order to meet GA EPD CCR 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. Semi-annual assessment monitoring events were conducted in October 2020 and March 2021 and the Site remains in assessment monitoring.

During the latter half of 2020 and first half 2021 reporting period, three groundwater sampling events were conducted in August and October 2020, and March 2021. The August event was an assessment constituent screening event and samples were analyzed for only the full suite of Appendix IV² parameters. The October and March events were routine semi-annual assessment monitoring and samples were analyzed for the full suite of Appendix III³ parameters and those Appendix IV⁴ parameters detected in August. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the CCR rule, groundwater results for October 2020 and March 2021 were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III² parameters in wells provided in the table 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 October 2020 and March 2021 sampling events.

Appendix III Parameter	October 2020
Boron	PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25,
	PZ-33
Calcium	PZ-18, PZ-19, PZ-23A
Chloride	PZ-15, PZ-16, PZ-17, PZ-18, PZ-23A
Fluoride	None
рН	PZ-18, PZ-19, PZ-23A, PZ-25
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, PZ-33

⁴ Antimony, barium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228



² Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228

³ Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

Appendix III Parameter	March 2021
Boron	PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25,
	PZ-33
Calcium	PZ-7D, PZ-14, PZ-17, PZ-18, PZ-19 , PZ-23A
Chloride	PZ-15, PZ-16, PZ-18, PZ-23A
Fluoride	None
рН	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-17, 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 from August 2020 through March 2021, 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.

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1.0 INTRODUCTION

In accordance with the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10(6)(a)-(c), this 2021 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 during the second half of 2020 and the first half of 2021 in accordance with Georgia GA EPD Rule 391-3-4-.10(6)(c). Three monitoring events were conducted during this monitoring period: (1) an assessment monitoring constituent screening event was conducted in August 2020 because of statistical exceedances of Appendix III constituents during the monitoring event in March 2020, and (2) the subsequent semi-annual assessment monitoring events were conducted in October 2020 and March 2021.

1.1 Site Description and Background

Georgia Power Company'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 partly 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 will be 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 Application was submitted to GA EPD in November 2018 and is currently being revised per GA EPD comments. 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. Semi-annual assessment monitoring events during this reporting period were conducted in October 2020 and March 2021.

1.2 Regional Geology & 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, 2021) 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 (feet/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, 2021), in-situ hydraulic conductivity (slug) tests in the bedrock at the Site ranged from 3.83×10^{-4} to 2.05×10^{-3} cm/sec or 1.08 to 5.81 feet/day with an average of 1.07×10^{-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 – Upper Bedrock – August 2020**, **Figure 4:**

Potentiometric Surface – Upper Bedrock – October 2020, and Figure 5: Potentiometric Surface – Upper Bedrock – March 2021.

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.

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 based on groundwater flow direction. The monitoring well locations are shown in **Figure 2: Monitoring Network Well Location Map**. The current monitoring well network at Ash Ponds A, 1, and 2 consists of 14 wells (4 upgradient wells, and 10 downgradient wells). The upgradient wells used to monitor groundwater quality include wells PZ-1D, PZ-2D, PZ-31, and PZ-32. Downgradient wells used to monitor groundwater quality include wells PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, and PZ-33 (**Table 1 Summary of Monitoring Network Well Construction**). Twenty-five piezometers are used for water level measurements only (**Table 2: Summary of Piezometer Construction**).

2.0 GROUNDWATER MONITORING ACTIVITIES

As required by 257.90(e), the following describes monitoring-related activities performed during the events during the second half of 2020 and first half of 2021. The groundwater sampling was performed in October 2020 and March 2021 for assessment monitoring in accordance with § 257.93. Samples were collected from each of the 14 wells in the monitoring system shown on **Figure 2**. **Table 3: Groundwater Sampling Events**, presents a summary of CCR groundwater sampling events completed during this monitoring period at Plant Mitchell's Ash Ponds A, 1, and 2.

2.1 Monitoring Well Installation and Maintenance

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

- Visual inspection of well conditions prior to sampling, recording the Site conditions, and performing exterior maintenance to conduct sampling under safe and clean conditions. The August and October 2020 and March 2021 inspections indicated the monitoring wells were in good condition.
- The elevations of the top of well casings (TOC) for the CCR network monitoring wells and piezometers were re-surveyed in June 2020 to confirm the elevations were surveyed to 0.01 feet accuracy. The horizontal locations and the elevation of the ground surface adjacent to the wells were also re-surveyed. The updated elevations and location coordinates are summarized on **Tables 1 and 2.** The boring logs and well construction diagrams of the monitoring wells and piezometers were updated with the new TOC elevations and submitted to GA EPD as the *September 2020 Well Installation Addendum*.
- Piezometer PZ-03R was abandoned on December 18, 2020. The abandonment report is in **Appendix A: Well Abandonments**. The piezometer was abandoned to accommodate the on-going construction activities to remove CCR material and close Ash Pond 2.
- Piezometer PZ-26, part of the water level network for the CCR monitoring program, was abandoned on May 4, 2021. The abandonment report is in **Appendix A: Well Abandonments**. The piezometer was abandoned to accommodate the on-going construction activities to remove CCR material and close Ash Pond 2.
- Monitoring well PZ-23 was abandoned on September 10, 2019 to accommodate construction activities related to removal of the CCR material and closure of Ash Pond 1. The CCR monitoring network well PZ-23 was replaced with new monitoring well PZ-23A on March 10, 2020.

2.2 Assessment Monitoring

Pursuant to § 257.94(e)(1), Georgia Power implemented assessment monitoring based on Statistically significant increases (SSI) 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).

An assessment monitoring constituent screening event was conducted in August 2020 pursuant to § 257.95(b) for the full suite of Appendix IV constituents. Following receipt of the Appendix IV screening results, semi-annual assessment monitoring events were conducted in October 2020 and March 2021. Pursuant to § 257.95(d)(1), groundwater samples collected from the CCR monitoring network wells were analyzed for Appendix III constituents and those Appendix IV constituents detected during the August 2020 assessment monitoring screening event. Data reports for the August and October 2020, and March 2021 monitoring events are included in **Appendix B: Laboratory Analytical and Field Sampling Reports.**

3.0 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 were recorded from each well in the network for Plant Mitchell Ash Ponds A, 1, and 2. Groundwater elevations recorded during the August and October 2020, and March 2021 monitoring events are summarized in Table 4: **Summary of Groundwater Elevations.** Groundwater elevation data from the three monitoring events were used to develop potentiometric surface elevation contour maps (Figure 3: Potentiometric Surface – Upper Bedrock – August 2020, Figure 4: Potentiometric Surface – Upper Bedrock - October 2020, and Figure 5: Potentiometric Surface - Upper Bedrock -March 2021. The elevations of the top of well casings were re-surveyed in June 2020. The August and October 2020, and March 2021 groundwater elevations were calculated using the top of casing elevations from the June 2020 resurvey data. Groundwater flow in the carbonate upper bedrock (Figures 3, 4, and 5) is to the west-southwest. The groundwater flow pattern observed during the August and October 2020, and March 2021 monitoring events is consistent with conditions observed during previous monitoring events.

3.2 **Groundwater Gradient and Flow Velocity**

The groundwater flow velocity at Plant Mitchell Ash Ponds A, 1, and 2 was calculated using a derivation of Darcy's Law. Specifically,

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

Where:

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

 $K = Average \ hydraulic \ conductivity \ of the \ aquifer \ \left(rac{feet}{day}
ight)$ $i = Horizontal \ hydraulic \ gradient \ \left(rac{feet}{feet}
ight)$

 $n_a = Effective porosity$

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 aguifer. 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 aguifer, 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** summarize the groundwater flow velocities. Results for groundwater flow velocities ranged from 0.01 to 0.07 feet/day (4.30 to 26.54 feet/year).

3.3 Groundwater Sampling

Groundwater samples were collected for the August and October 2020, and March 2021 monitoring events in accordance with § 257.93(a). Each of the monitoring wells at the Site is equipped with a dedicated QED bladder pump. The 14 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. A SmarTroll or AquaTroll (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, dissolved oxygen (DO), temperature, and oxygen-reduction potential (ORP) and a Hach 2100Q was used to measure turbidity during well purging to verify stabilization prior to sampling. Groundwater samples were collected when the following stabilization criteria were met:

- pH ± 0.1 Standard Units (S.U.).
- Specific conductance ± 3 percent.
- 10 percent for DO > 0.5 milligrams per liter (mg/L). No criterion applies if DO < 0.5 mg/L.
- Turbidity measurements less than 5 Nephelometric Turbidity Units.

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

Arsenic, beryllium, and cadmium were not detected in the groundwater samples collected during the August 2020 assessment constituent screening event and were, therefore, not

analyzed during the subsequent semi-annual events in accordance with § 257.95(d)(1). Analytical methods used for groundwater sample analysis are listed on the analytical laboratory reports included in **Appendix B**.

Laboratory analyses were performed by Pace Analytical Services, LLC, of Peachtree Corners, Georgia, and Greensburg, Pennsylvania. Both 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.

3.5 Groundwater Analytical Results

Table 6: Analytical Data Summary Appendix III - October 2020 and March 2021, 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**.

Table 7: Analytical Data Summary Appendix IV – August, October 2020, and March 2021 summarizes the analytical data for the August 2020 Appendix IV assessment constituent screening event and the detected Appendix IV constituents for the October 2020 and March 2021 semi-annual monitoring events. The complete laboratory and field data sheets are included in **Appendix B**.

3.6 Quality Assurance & Quality Control

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**.

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 difference for the parent and duplicate sample data for anion and metals data was less than 20 percent indicating good sampling precision. The relative percent difference for total radium in one October 2020 sample set was at 20 percent. The data are considered usable for meeting project objectives and the results are considered valid.

4.0 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(fand following the 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 October 2020 and March 2021 semi-annual assessment monitoring events 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 October 2020 and March 2021. 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 parameters 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 October 2020 and March 2021 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 resample plan for each of the Appendix III parameters. 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 October 2020 and March 2021 monitoring events 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: Statistical Method Summary.** A confirmed exceedance is only noted when the resample confirms the initial exceedance by also exceeding the prediction limit or if resampling is not performed. If the resample 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 limits 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, fluoride, and radium. When data contained greater than 50 percent nondetects 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).

As described in 40 CFR § 257.95(h) (1-3), 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 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

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). GA EPD has not incorporated the updated GWPS into the current GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a); therefore, for sites regulated under GA EPD Rules, the GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

Following the above GA EPD Rule requirements, GWPS were established for statistical comparison of Appendix IV constituents for the October 2020 and March 2021 sample events. **Table 9: Summary of Groundwater Protection Standards** summarizes the background limits established for each Appendix IV constituent for each event and the GWPS established under GA EPD Rules for each event.

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**. A table of identified SSIs for the October 2020 and March 2021 Appendix III data can be found in **Appendix C**. 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 October 2020 and March 2021 sampling events.

5.0 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 October 2020 and March 2021 semi-annual events. No SSLs were identified for the Appendix IV constituents during the October 2020 and March 2021 events. Pursuant to § 257.95, Georgia Power will continue assessment monitoring at Plant Mitchell Ash Ponds A, 1, and 2.

6.0 CONCLUSIONS & FUTURE ACTIONS

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 September 2021. The September 2021 semi-annual assessment monitoring event will be a combined event to meet the requirements of GA EPD Rule 391-3-4-.10(6) and 40 C.F.R. §257.95(b) and (d)(1) and will include sampling and analysis of all Appendix III and IV constituents.

7.0 REFERENCES

- Clark, W.Z., and Zisa, A.C., 1976, Physiographic Map of Georgia: 1:2,000,000, Georgia Department of Natural Resources, Geologic and Water Resources Division, Atlanta, Georgia.
- 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
- 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, March 2009. Unified Guidance, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. Office of Solid Waste Management Division, U.S. Environmental Protection Agency, 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.
- 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 257and 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., November 2018, Hydrogeologic Assessment Report and Conceptual Site Model, Plant Mitchell Ash Ponds A, 1 & 2.
- Wood Environment & Infrastructure Solutions, Inc., 2021, Hydrogeologic Assessment Report, Plant Mitchell Ash Ponds A, 1 & 2, Dougherty and Mitchell Counties, Georgia.

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TABLES

TABLE 1 SUMMARY OF MONITORING NETWORK WELL CONSTRUCTION Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

Well Name	Installation Date	Northing ⁽¹⁾	Easting ⁽¹⁾	Ground Surface Elevation (feet NAVD88) ⁽²⁾ (Prior to June 2020 Resurvey)	Ground Surface Elevation (feet NAVD88) ⁽²⁾ (June 2020 Resurvey)	Top of Casing Elevation (feet NAVD88) ⁽²⁾ (Prior to June 2020 Resurvey)	Top of Casing Elevation (feet NAVD88) ⁽²⁾ (June 2020 Resurvey)	Top of Screen Elevation (feet NAVD88) ⁽⁴⁾	Bottom of Screen Elevation (feet NAVD88) ⁽⁴⁾	Total Well Depth Measured March 2021 (feet below TOC)	Total Well Depth on Construction Log (feet below land surface)	Groundwater Zone Screened	Location
PZ-1D	6/11/2014	526353.9	2307362.8	192.7	193.44	196.21	196.44	125.8	115.8	81.7	78.0	Bedrock	Upgradient
PZ-2D	6/10/2014	526067.3	2308155.4	175.1	175.64	178.39	178.51	108.0	98.0	81.0	78.0	Bedrock	Upgradient
PZ-31	10/13/2016	526996.3	2306857.6	180.1	180.32	182.86	182.96	133.3	123.3	61.6	57.0	Bedrock	Upgradient
PZ-32	10/13/2016	526078.7	2307723.7	178.0	178.19	180.72	180.75	126.2	116.2	65.3	62.0	Bedrock	Upgradient
PZ-7D	6/3/2014	521425.1	2305995.3	170.0	170.28	173.13	173.08	123.9	113.9	60.4	57.0	Bedrock	Downgradient
PZ-14	7/25/2016	521473.1	2306804.8	180.4	180.85	183.62	183.46	140.9	130.9	53.2	50.0	Bedrock	Downgradient
PZ-15	7/23/2016	521600.2	2305357.3	166.9	167.38	170.10	170.37	97.4	87.4	83.2	80.0	Bedrock	Downgradient
PZ-16	7/25/2016	522125.0	2305359.9	170.7	171.21	173.71	173.92	131.2	121.2	53.2	50.0	Bedrock	Downgradient
PZ-17	7/22/2016	522587.9	2305886.7	169.5	170.12	172.66	172.91	120.1	110.1	62.7	60.0	Bedrock	Downgradient
PZ-18	7/23/2016	523145.7	2306142.3	166.6	167.34	169.78	170.11	117.3	107.3	63.2	60.0	Bedrock	Downgradient
PZ-19	7/13/2016	523582.1	2306153.6	169.1	169.40	171.96	172.05	120.4	110.4	62.6	59.0	Bedrock	Downgradient
PZ-23A	3/10/2020	523831.5	2307743.4	188.9	189.06	191.91	191.85	134.6	124.6	67.3	64.5	Bedrock	Downgradient
PZ-25	7/20/2016	524492.6	2306152.0	167.9	168.24	171.12	171.14	118.2	108.2	63.2	60.0	Bedrock	Downgradient
PZ-33	10/2/2016	522212.6	2307233.9	186.9	187.08	189.52	189.61	126.7	116.7	73.6	70.4	Bedrock	Downgradient

Notes:

- (1) Horizontal locations referenced to the North American Datum of 1983 (NAD 83) (2011).
- (2) Vertical elevations are in feet referenced to North American Vertical Datum of 1988 (NAVD88)
- (3) TOC indicates top of casing.
- (4) Top and bottom screen elevations based on June 2020 resurveyed ground surface elevations.
- (5) Monitoring well PZ-23 was abandoned on 9/10/2019 and was replaced with new monitoring well PZ-23A on 3/10/2020.

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

Well Name	Installation Date	Northing ⁽¹⁾	Easting ⁽¹⁾	Ground Surface Elevation (feet NAVD88) ⁽²⁾ (Prior to June 2020 Resurvey)	Ground Surface Elevation (feet NAVD88) ⁽²⁾ (June 2020 Resurvey)	Top of Casing Elevation (feet NAVD88) ⁽²⁾ (Prior to June 2020 Resurvey)	Top of Casing Elevation (feet NAVD88) ⁽²⁾ (June 2020 Resurvey)	Top of Screen Elevation (feet NAVD88) ⁽⁴⁾	Bottom of Screen Elevation (feet NAVD88) ⁽⁴⁾	Total Well Depth Measured March 2021 (feet below TOC)	Total Well Depth on Construction Log (feet below land surface)	Lithology Screened
PZ-01R ⁽⁵⁾	2/10/2016	not sur	veyed ⁽⁵⁾	188.0	not surveyed ⁽⁵⁾	191.87	not surveyed ⁽⁵⁾	132.0	122.0	71.5	66.7	Overburden (Clay)/Bedrock
PZ-02R ⁽⁵⁾	2/3/2016	not sur	veyed ⁽⁵⁾	188.5	not surveyed ⁽⁵⁾	191.66	not surveyed ⁽⁵⁾	131.6	121.6	70.9	67.2	Overburden (Clay)/Bedrock
PZ-2S	6/10/2014	526066.7	2308163.4	175.0	175.63	178.60	178.61	131.6	121.6	49.9*	54.4	Overburden (Clay)
PZ-03R ⁽⁵⁾ (6)	2/9/2016	not sur	veyed ⁽⁵⁾	189.7	not surveyed ⁽⁵⁾	192.35	not surveyed ⁽⁵⁾	143.5	133.5	61.0	56.4	Overburden (Clay)/Bedrock
PZ-3D	5/28/2014	525373.2	2307918.1	187.7	188.08	190.82	190.98	110.5	100.5	91.2	88.0	Bedrock
PZ-4D	5/29/2014	524198.2	2308009.5	187.7	188.25	190.84	191.10	142.7	132.7	58.4	56.0	Bedrock
PZ-6S	6/13/2014	522254.0	2307207.5	186.2	186.52	189.34	189.47	148.9	138.9	42.5*	48.0	Overburden (Clay)
PZ-8D	6/5/2014	521442.1	2305207.9	166.7	167.24	170.27	170.35	100.6	90.6	80.8	77.0	Bedrock
PZ-9D	6/4/2014	521770.9	2305127.5	162.6	163.18	166.08	166.16	126.6	116.6	49.9	47.0	Bedrock
PZ-10S	6/3/2014	522465.8	2305401.6	172.3	172.64	175.51	175.63	137.0	127.0	48.3	46.0	Bedrock
PZ-11S	6/12/2014	523112.9	2305532.1	188.2	188.71	191.57	191.69	141.1	131.1	61.4	58.0	Bedrock
PZ-12S	6/4/2014	523794.9	2305676.8	169.8	170.93	173.19	173.92	133.3	123.3	51.6	48.0	Bedrock
PZ-20	7/14/2016	524025.0	2306152.6	170.4	170.62	173.43	173.44	121.1	111.1	63.0	60.0	Bedrock
PZ-21	7/29/2016	524639.5	2306932.0	176.7	177.08	179.83	179.84	117.1	107.1	72.6	70.0	Bedrock
PZ-22	7/28/2016	524622.4	2307749.0	184.5	184.76	187.68	187.69	134.8	124.8	62.8	60.0	Bedrock
PZ-24A	3/6/2020	523151.8	2307445.9	192.2	192.25	195.07	194.97	142.3	132.3	63.3	61.0	Bedrock
PZ-26	10/1/2016	521463.1	2305040.7	163.7	163.94	166.60	166.70	125.4	115.4	52.3	48.5	Bedrock
PZ-27	10/4/2016	522440.4	2305235.1	161.5	161.88	164.40	164.58	123.6	113.6	52.2	48.3	Bedrock
PZ-28	10/13/2016	522953.9	2305347.3	163.0	163.49	165.67	165.96	126.5	116.5	50.8	47.0	Bedrock
PZ-29	10/4/2016	523857.8	2305593.0	170.0	170.42	172.95	173.18	123.9	113.9	60.5	56.5	Bedrock
MW-102	2/22/1995	524508.2	2306153.6	168.0	168.10	170.75	170.93	132.0	122.8	49.4	45.9	Bedrock
MW-108	2/21/1995	521561.7	2306874.5	183.0	182.75	185.59	185.47	145.1	136.0	54.4	47.4	Bedrock
MW-111	2/23/1995	521618.2	2305308.8	165.3	165.28	168.00	168.06	127.8	118.8	48.9	47.1	Bedrock
MW-113	2/21/1995	522357.4	2305578.4	172.1	171.88	174.76	174.61	129.6	120.1	52.0	52.4	Bedrock
MW-115	2/21/1995	522837.4	2306080.2	166.2	166.23	168.97	169.05	88.6	79.5	90.2	87.3	Bedrock
MW-116	2/23/1995	523649.9	2306082.5	169.0	168.93	171.86	171.69	100.7	94.3	79.1	75.0	Bedrock

Notes:

- (1) Horizontal locations referenced to the North American Datum of 1983 (NAD 83) (2011).
- (2) Vertical elevations are feet referenced to North American Vertical Datum of 1988 (NAVD88)
- (3) TOC indicates top of casing.
- (4) Top and bottom screen elevations based on June 2020 resurveyed ground surface elevations.
- (5) Wells PZ-01R, PZ-02R, PZ-03R were not accessible due to construction activities and were not resurveyed in June 2020.
- (6) Piezometers PZ-03R and PZ-26 were abandoned on 12/18/2020 and 5/4/2021, respectively.
- * total depth to top of pump or depth of monitoring instruments

TABLE 3 GROUNDWATER SAMPLING EVENTS

Plant Mitchell Ash Ponds A, 1, and 2

Putney, Georgia

		Summary o	f Samplii	ng Events	
Well ID	Hydraulic Location	August 25 - 27, 2020	October 6 - 7, 2020	March 3 - 8, 2021	Status of Monitoring Well
Purpose of Sampli	ng Event	Assessment Constitutent Screening	Assessment	Assessment	
ASH PONDS MONITORING	WELL NETWORK				
PZ-1D	Upgradient	Screening	A03	A04	Assessment Monitoring
PZ-2D	Upgradient	Screening	A03	A04	Assessment Monitoring
PZ-31	Upgradient	Screening	A03	A04	Assessment Monitoring
PZ-32	Upgradient	Screening	A03	A04	Assessment Monitoring
PZ-7D	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-14	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-15	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-16	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-17	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-18	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-19	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-23A	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-25	Downgradient	Screening	A03	A04	Assessment Monitoring
PZ-33	Downgradient	Screening	A03	A04	Assessment Monitoring

Notes:

AXX - Assessment Event Number

Screening - Annual Assessment Constituent Screening Event for Appendix IV constituents

 $Monitoring \ well\ PZ-23\ was\ abandoned\ on\ 9/10/2019\ and\ was\ replaced\ with\ new\ monitoring\ well\ PZ-23A\ on\ 3/10/2020.$

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

Well ID	Top of Casing Elevation (feet NAVD88)	Top of Casing Elevation (feet NAVD88)	Groundwater Elevation (feet NAVD88)	Groundwater Elevation (feet NAVD88)	Groundwater Elevation (feet NAVD88)	
	(Elevations prior to	(June 2020 Resurvey	(Event #13)	(Event #14)	(Event #15)	
	June 2020 Resurvey)	Elevations)	8/25/2020	10/5/2020	3/2/2021	
MW-102	170.75	170.93	140.62	141.43	146.39	
MW-108	185.59	185.47	139.12	141.56	146.76	
MW-111	168.00	168.06	139.83	139.88	144.42	
MW-113	174.76	174.61	138.95	141.24	147.18	
MW-115	168.97	169.05	140.13	137.77	145.00	
MW-116	171.86	171.69	139.56	140.82	145.59	
PZ-1D	196.21	196.44	143.46	145.98	155.27	
PZ-01R	191.87	Not surveyed	140.70	141.69	146.08	
PZ-2D	178.39	178.51	142.41	144.66	155.01	
PZ-02R	191.66	Not surveyed	139.97	141.62	146.18	
PZ-2S	178.60	178.61	142.40	144.71	155.05	
PZ-3D	190.82	190.98	142.09	144.32	152.72	
PZ-03R	192.35	Not surveyed	139.32	140.99	Abandoned	
PZ-4D	190.84	191.10	140.69	143.63	149.76	
PZ-6S	189.34	189.47	170.51	173.30	178.75	
PZ-7D	173.13	173.08	139.80	140.80	145.69	
PZ-8D	170.27	170.35	140.03	140.13	144.53	
PZ-9D	166.08	166.16	139.49	140.15	144.46	
PZ-10S	175.51	175.63	139.02	141.30	146.06	
PZ-11S	191.57	191.69	139.08	140.91	145.03	
PZ-12S	173.19	173.92	139.87	140.34	144.95	
PZ-14	183.62	183.46	139.23	141.46	146.57	
PZ-15	170.10	170.37	139.85	140.20	144.21	
PZ-16	173.71	173.92	138.90	140.94	145.37	
PZ-17	172.66	172.91	140.84	141.39	145.89	
PZ-18	169.78	170.11	140.07	141.33	145.70	
PZ-19	171.96	172.05	139.49	141.13	145.91	
PZ-20	173.43	173.44	139.70	141.09	145.98	
PZ-21	179.83	179.84	140.75	142.64	148.01	
PZ-22	187.68	187.69	140.91	143.63	149.88	
PZ-23A	191.91	191.85	141.58	143.62	149.16	
PZ-24A	195.07	194.97	140.23	142.55	147.80	
PZ-25	171.12	171.14	140.57	141.40	146.44	
PZ-26	166.60	166.70	139.67	140.02	144.40	
PZ-27	164.40	164.58	138.90	140.77	145.68	
PZ-28	165.67	165.96	138.98	140.99	145.28	
PZ-29	172.95	173.18	140.14	140.17	144.95	
PZ-31	182.86	182.96	143.13	145.81	154.07	
PZ-32	180.72	180.75	142.27	144.92	155.76	
PZ-33	189.52	189.61	139.98	141.94	147.09	

Notes:

Vertical elevations are in feet referenced to North American Vertical Datum of 1988 (NAVD88) TOC - Top of Casing

Groundwater elevations for Events #13 through #15 calculated using TOC elevations from the June 2020 re-survey. Wells PZ-01R, PZ-02R, PZ-03R could not be surveyed during the June 2020 re-survey because the wells were inaccessible due to construction activities near the wells.

TABLE 5 GROUNDWATER FLOW VELOCITY CALCULATIONS

Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

Potentiometric Map Date	Water-Bearing Zone	Location	Groundwate in Wel (h ₁ ,	l Pairs h ₂)	Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/feet)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n _e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
August 2020	Limestone	PZ-1D to PZ-21	143.46	140.75	2.71	1740	0.002	3.04	0.2	0.02	8.64
August 2020	Limestone	PZ-23A to PZ-19	141.58	139.49	2.09	1620	0.001	3.04	0.2	0.02	7.16
October 2020	Limestone	PZ-1D to PZ-102	145.98	141.43	4.55	2190	0.002	3.04	0.2	0.03	11.53
October 2020	Limestone	PZ-23A to PZ-19	143.62	141.13	2.49	1620	0.002	3.04	0.2	0.02	8.53
October 2020	Limestone	PZ-33 to PZ-7D	141.94	140.80	1.14	1470	0.001	3.04	0.2	0.01	4.30
March 2021	Limestone	PZ-32 to PZ-21	155.76	148.01	7.75	1620	0.005	3.04	0.2	0.07	26.54
March 2021	Limestone	PZ-23A to PZ-18	149.16	145.70	3.46	1740	0.002	3.04	0.2	0.03	11.03

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)

TABLE 6 ANALYTICAL DATA SUMMARY APPENDIX III - OCTOBER 2020 AND MARCH 2021 Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

Well Name	Sample Date	Boron	Calcium	Chloride	Fluoride	pН	Sulfate	TDS
PZ-1D	10/6/2020	0.015 (J)	50.5	3.0	< 0.050	7.35	2.4	153
PZ-1D	3/3/2021	0.010 (J)	54.7	2.8	<0.050	7.56	2.2	134
PZ-2D	10/6/2020	0.018 (J)	22.7	2.3	0.073 (J)	8.72	3.1	81.0
PZ-2D	3/8/2021	0.013 (J)	41.7	2.4	<0.050	7.77	2.7	126
PZ-7D	10/7/2020	0.20	109	3.9	< 0.050	6.98	48.9	334
PZ-7D	3/4/2021	0.20	122	4.0	<0.050	6.95	49.7	335
PZ-14	10/6/2020	0.026 (J)	111	4.4	< 0.050	7.01	11.0	241
PZ-14	3/3/2021	0.028 (J)	114	4.2	<0.050	6.99	8.8	258
PZ-15	10/7/2020	0.19	93.5	6.6	< 0.050	7.11	80.7	336
PZ-15	3/4/2021	0.16	107	6.3	<0.050	7.09	74.1	300
PZ-16	10/6/2020	0.19	84.0	6.4	< 0.050	7.24	42.4	261
PZ-16	3/4/2021	0.20	90.9	5.9	<0.050	7.34	38.9	264
PZ-17	10/7/2020	0.30	112	5.7	< 0.050	7.04	89.1	392
PZ-17	3/4/2021	0.22	113	4.2	<0.050	7.09	66.8	325
PZ-18	10/7/2020	0.39	129	5.0	< 0.050	6.91	87.3	425
PZ-18	3/4/2021	0.37	138	5.1	<0.050	6.91	88.6	427
PZ-19	10/7/2020	0.52	144	4.5	0.064 (J)	6.78	83.3	492
PZ-19	3/3/2021	0.50	142	4.0	0.058 (J)	6.78	80.8	452
PZ-23A	10/6/2020	0.16	144	7.0	0.052 (J)	6.78	71.2	462
PZ-23A	3/3/2021	0.16	154	4.7	<0.050	6.79	66.0	444
PZ-25	10/7/2020	0.18	84.2	1.8	0.13	6.95	38.1	280
PZ-25	3/3/2021	0.20	96.8	1.6	0.12	7.04	39.2	267
PZ-31	10/6/2020	0.011 (J)	98.8	3.4	< 0.050	7.01	0.98 (J)	254
PZ-31	3/3/2021	0.0087 (J)	104	3.1	<0.050	7.14	0.60 (J)	264
PZ-32	10/6/2020	0.015 (J)	62.8	2.3	< 0.050	7.27	1.9	169
PZ-32	3/3/2021	0.022 (J)	64.8	2.2	<0.050	7.41	2.0	166
PZ-33	10/7/2020	0.35	94.7	2.0	< 0.050	7.04	54.6	337
PZ-33	3/4/2021	0.34	106	1.8	<0.050	7.22	49.3	283
FD-01 PZ-19	10/7/2020	0.55	138	4.5	0.062 (J)	6.78	84.0	496
FD-02 PZ-25	10/7/2020	0.19	85.7	1.8	0.14	6.95	38.3	288
Dup-01 PZ-25	3/3/2021	0.20	90.9	1.6	0.12	7.04	39.2	256
Dup-02 PZ-23A	3/3/2021	0.17	153	4.7	<0.050	6.79	66.5	434

Notes:

- 1. Results for metals and anions are reported in milligrams per liter (mg/L). Results for pH are reported in standard units.
- 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.

TABLE 7

ANALYTICAL DATA SUMMARY APPENDIX IV - AUGUST, OCTOBER 2020 AND MARCH 2021

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	8/25/2020	0.0012 (J)	< 0.00078	0.014	< 0.000046	< 0.00012	0.0030 (J)	< 0.00038	< 0.050	0.000065 (J)	< 0.00081	0.000099 (J)	0.0010 (J)	0.777 (U)	< 0.0016	< 0.00014
PZ-1D	10/6/2020	0.0021 (J)	NA	0.015	NA	NA	0.0021 (J)	< 0.00038	< 0.050	0.000066 (J)	< 0.00081	< 0.000078	0.00090 (J)	0.996 (U)	< 0.0016	< 0.00014
PZ-1D	3/3/2021	0.00093 (J)	NA	0.015	NA	NA	0.0018 (J)	<0.00038	< 0.050	0.000055 (J)	<0.00081	<0.00078	0.00076 (J)	0.915 (U)	<0.0016	<0.00014
PZ-2D	8/26/2020	0.00080 (J)	< 0.00078	0.0051 (J)	< 0.000046	< 0.00012	0.0040 (J)	< 0.00038	0.057 (J)	< 0.000036	0.0015 (J)	< 0.000078	< 0.00069	0.605 (U)	< 0.0016	< 0.00014
PZ-2D	10/6/2020	0.0013 (J)	NA	0.0039 (J)	NA	NA	0.0065 (J)	< 0.00038	0.073 (J)	< 0.000036	0.00099 (J)	< 0.000078	0.00069 (J)	0.929 (U)	< 0.0016	< 0.00014
PZ-2D	3/8/2021	0.00030 (J)	NA	0.0065	NA	NA	0.0028 (J)	<0.00038	< 0.050	0.000062 (J)	0.0019 (J)	<0.000078	<0.00069	0.475 (U)	<0.0016	<0.00014
PZ-7D	8/26/2020	0.00031 (J)	< 0.00078	0.0070 (J)	< 0.000046	< 0.00012	0.0011 (J)	< 0.00038	< 0.050	< 0.000036	0.0023 (J)	< 0.000078	< 0.00069	0.572 (U)	0.0018 (J)	< 0.00014
PZ-7D	10/7/2020	< 0.00028	NA	0.0061 (J)	NA	NA	0.0014 (J)	< 0.00038	< 0.050	< 0.000036	0.0023 (J)	< 0.000078	< 0.00069	0.232 (U)	< 0.0016	< 0.00014
PZ-7D	3/4/2021	<0.00028	NA	0.0061	NA	NA	0.0024 (J)	<0.00038	< 0.050	0.000041 (J)	0.0031 (J)	<0.000078	<0.00069	0.529 (U)	0.0018 (J)	<0.00014
PZ-14	8/26/2020	< 0.00028	< 0.00078	0.016	< 0.000046	< 0.00012	0.0011 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	0.00015 (J)	< 0.00069	0.115 (U)	< 0.0016	< 0.00014
PZ-14	10/6/2020	< 0.00028	NA	0.016	NA	NA	0.00098 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	< 0.000078	< 0.00069	0.265 (U)	< 0.0016	< 0.00014
PZ-14	3/3/2021	<0.00028	NA	0.017	NA	NA	0.00097 (J)	<0.00038	< 0.050	<0.00036	<0.00081	<0.000078	<0.00069	0.328 (U)	<0.0016	<0.00014
PZ-15	8/26/2020	0.00062 (J)	< 0.00078	0.053	< 0.000046	< 0.00012	< 0.00055	< 0.00038	< 0.050	< 0.000036	0.0013 (J)	< 0.000078	< 0.00069	0.681 (U)	0.0018 (J)	0.00027 (J)
PZ-15	10/7/2020	< 0.00028	NA	0.049	NA	NA	< 0.00055	< 0.00038	< 0.050	< 0.000036	0.0013 (J)	< 0.000078	< 0.00069	1.22 (U)	< 0.0016	0.00022 (J)
PZ-15	3/4/2021	<0.00028	NA	0.047	NA	NA	<0.00055	<0.00038	< 0.050	<0.00036	0.0014 (J)	<0.000078	<0.00069	0.674 (U)	<0.0016	0.00022 (J)
PZ-16	8/26/2020	0.00037 (J)	< 0.00078	0.036	< 0.000046	< 0.00012	0.00087 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	< 0.000078	< 0.00069	0.499 (U)	< 0.0016	< 0.00014
PZ-16	10/6/2020	< 0.00028	NA	0.034	NA	NA	0.0011 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	< 0.000078	< 0.00069	1.12 (U)	< 0.0016	< 0.00014
PZ-16	3/4/2021	<0.00028	NA	0.035	NA	NA	0.0012 (J)	<0.00038	< 0.050	<0.000036	<0.00081	<0.000078	<0.00069	0.404 (U)	<0.0016	<0.00014
PZ-17	8/26/2020	0.00061 (J)	< 0.00078	0.077	< 0.000046	< 0.00012	< 0.00055	< 0.00038	< 0.050	< 0.000036	0.0028 (J)	< 0.000078	< 0.00069	1.62	< 0.0016	0.00025 (J)
PZ-17	10/7/2020	< 0.00028	NA	0.074	NA	NA	< 0.00055	< 0.00038	< 0.050	< 0.000036	0.0029 (J)	< 0.000078	< 0.00069	0.432 (U)	< 0.0016	0.00022 (J)
PZ-17	3/4/2021	0.00055 (J)	NA	0.071	NA	NA	<0.00055	<0.00038	<0.050	<0.000036	0.0020 (J)	<0.000078	<0.00069	0.734 (U)	<0.0016	0.00039 (J)
PZ-18	8/27/2020	< 0.00028	< 0.00078	0.023	< 0.000046	< 0.00012	< 0.00055	< 0.00038	< 0.050	< 0.000036	0.0025 (J)	< 0.000078	< 0.00069	0.0939 (U)	< 0.0016	< 0.00014
PZ-18	10/7/2020	0.0014 (J)	NA	0.023	NA	NA	< 0.00055	< 0.00038	< 0.050	0.000042 (J)	0.0030 (J)	< 0.000078	< 0.00069	0.365 (U)	< 0.0016	< 0.00014
PZ-18	3/4/2021	<0.00028	NA	0.023	NA	NA	<0.00055	<0.00038	<0.050	<0.000036	0.0029 (J)	<0.000078	<0.00069	0.498 (U)	<0.0016	<0.00014
PZ-19	8/26/2020	< 0.00028	< 0.00078	0.049	< 0.000046	< 0.00012	< 0.00055	< 0.00038	0.062 (J)	< 0.000036	0.011 (J)	0.00010 (J)	0.0020 (J)	0.703 (U)	0.0031 (J)	0.00056 (J)
PZ-19	10/7/2020	< 0.00028	NA	0.054	NA	NA	< 0.00055	< 0.00038	0.064 (J)	0.000042 (J)	0.013 (J)	< 0.000078	0.0019 (J)	0.893	0.0035 (J)	0.00070 (J)
PZ-19	3/3/2021	<0.00028	NA	0.055	NA	NA	<0.00055	<0.00038	0.058 (J)	<0.000036	0.015 (J)	<0.000078	0.0021 (J)	0.469 (U)	0.0033 (J)	0.00072 (J)
PZ-23A	8/26/2020	0.00038 (J)	< 0.00078	0.039	< 0.000046	< 0.00012	0.0014 (J)	0.00058 (J)	0.057 (J)	< 0.000036	0.0011 (J)	0.00017 (J)	< 0.00069	0.774 (U)	0.0026 (J)	0.00016 (J)
PZ-23A	10/6/2020	< 0.00028	NA	0.037	NA	NA	0.0015 (J)	0.00067 (J)	0.052 (J)	0.000047 (J)	0.00097 (J)	< 0.000078	< 0.00069	1.24 (U)	0.0027 (J)	< 0.00014
PZ-23A	3/3/2021	0.0017 (J)	NA	0.039	NA	NA	0.0015 (J)	0.00049 (J)	<0.050	0.000058 (J)	0.0010 (J)	<0.000078	<0.00069	1.01 (U)	0.0025 (J)	0.00017 (J)
PZ-25	8/26/2020	< 0.00028	< 0.00078	0.10	< 0.000046	< 0.00012	< 0.00055	0.0016 (J)	0.14	< 0.000036	0.0065 (J)	< 0.000078	< 0.00069	0.950 (U)	< 0.0016	0.00037 (J)
PZ-25	10/7/2020	< 0.00028	NA	0.11	NA	NA	< 0.00055	0.0014 (J)	0.13	< 0.000036	0.0063 (J)	< 0.000078	< 0.00069	1.01 (U)	< 0.0016	0.00027 (J)
PZ-25	3/3/2021	<0.00028	NA	0.12	NA	NA	<0.00055	0.0016 (J)	0.12	<0.000036	0.0061 (J)	<0.000078	<0.00069	0.545 (U)	<0.0016	0.00036 (J)

TABLE 7

ANALYTICAL DATA SUMMARY APPENDIX IV - AUGUST, OCTOBER 2020 AND MARCH 2021

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-31	8/25/2020	< 0.00028	< 0.00078	0.0071 (J)	< 0.000046	< 0.00012	0.0011 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	0.00010 (J)	< 0.00069	0.405 (U)	< 0.0016	< 0.00014
PZ-31	10/6/2020	0.00045 (J)	NA	0.0075 (J)	NA	NA	0.0013 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	< 0.000078	< 0.00069	0.276 (U)	< 0.0016	< 0.00014
PZ-31	3/3/2021	<0.00028	NA	0.0069	NA	NA	0.0015 (J)	<0.00038	< 0.050	<0.000036	< 0.00081	<0.000078	<0.00069	0.907 (U)	<0.0016	<0.00014
PZ-32	8/25/2020	< 0.00028	< 0.00078	0.015	< 0.000046	< 0.00012	0.0010 (J)	< 0.00038	< 0.050	0.000063 (J)	< 0.00081	< 0.000078	< 0.00069	0.340 (U)	< 0.0016	< 0.00014
PZ-32	10/6/2020	< 0.00028	NA	0.015	NA	NA	0.00072 (J)	< 0.00038	< 0.050	< 0.000036	< 0.00081	< 0.000078	< 0.00069	0.371 (U)	< 0.0016	< 0.00014
PZ-32	3/3/2021	<0.00028	NA	0.013	NA	NA	<0.00055	<0.00038	< 0.050	<0.000036	<0.00081	<0.000078	<0.00069	0.836 (U)	<0.0016	<0.00014
PZ-33	8/26/2020	< 0.00028	< 0.00078	0.051	< 0.000046	< 0.00012	< 0.00055	< 0.00038	< 0.050	< 0.000036	< 0.00081	0.00011 (J)	< 0.00069	0.782 (U)	< 0.0016	< 0.00014
PZ-33	10/7/2020	0.00037 (J)	NA	0.048	NA	NA	< 0.00055	< 0.00038	< 0.050	< 0.000036	< 0.00081	< 0.000078	< 0.00069	0.442 (U)	< 0.0016	< 0.00014
PZ-33	3/4/2021	<0.00028	NA	0.047	NA	NA	<0.00055	<0.00038	< 0.050	<0.000036	<0.00081	<0.000078	<0.00069	1.03 (U)	<0.0016	<0.00014
Dup-01 PZ-25	8/26/2020	< 0.00028	< 0.00078	0.10	< 0.000046	< 0.00012	< 0.00055	0.0015 (J)	0.14	< 0.000036	0.0062 (J)	< 0.000078	< 0.00069	1.13 (U)	< 0.0016	0.00036 (J)
Dup-02 PZ-23A	8/26/2020	0.0016 (J)	< 0.00078	0.037	< 0.000046	< 0.00012	0.0013 (J)	0.00055 (J)	< 0.050	< 0.000036	0.0011 (J)	0.00017 (J)	< 0.00069	0.552 (U)	0.0033 (J)	< 0.00014
FD-01 PZ-19	10/7/2020	< 0.00028	NA	0.053	NA	NA	< 0.00055	< 0.00038	0.062 (J)	< 0.000036	0.014 (J)	< 0.000078	0.0019 (J)	1.09	0.0029 (J)	0.00068 (J)
FD-02 PZ-25	10/7/2020	< 0.00028	NA	0.11	NA	NA	< 0.00055	0.0014 (J)	0.14	< 0.000036	0.0062 (J)	< 0.000078	< 0.00069	0.960 (U)	< 0.0016	0.00027 (J)
Dup-01 PZ-25	3/3/2021	<0.00028	NA	0.12	NA	NA	<0.00055	0.0016 (J)	0.12	<0.00036	0.0061 (J)	<0.000078	<0.00069	0.292 (U)	<0.0016	0.00036 (J)
Dup-02 PZ-23A	3/3/2021	0.00057 (J)	NA	0.039	NA	NA	0.0015 (J)	0.00050 (J)	<0.050	0.00012 (J)	0.0011 (J)	<0.000078	<0.00069	0.624 (U)	0.0024 (J)	0.00015 (J)

Notes:

- 1. Results for metals are reported in milligrams per liter (mg/L).
- 2. NA indicates a constituent was not analyzed in October and March semi-annual events because it was not detected during the August 2020 assessment constituent screening.
- 3. < indicates the constituent was not detected above the analytical method detection limit.
- 4. (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.
- 5. Radium units are in picocuries per liter (pci/L)
- 6. U indicates the substance 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.

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

	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	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.					
		Nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed normally distributed.					
	Management of Non-Detects	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.					
Statistical Methodology		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.					
	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, Chap 6).					
	Verification Resample Plan	Optional 1-of-2 with minimum of 8 samples per well for interwell testing.					
	Optional	 Initial statistical exceedance warrants optional independent resampling within 90 days. If resample passes, well/parameter is not a confirmed statistically significant increase (SSI). If resample exceeds, well/parameter has a confirmed SSI. If no resample is collected, the original result is deemed verified. 					

TABLE 9 SUMMARY OF GROUNDWATER PROTECTION STANDARDS

Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

Constituent	Units	MCL	Federal CCR Rule Specified Limit	Site-Specific Background October 2020	State Derived Site GWPS ⁽²⁾ October 2020	Site-Specific Background March 2021	State Derived Site GWPS ⁽²⁾ March 2021
Antimony	mg/L	0.006		0.0035	0.006	0.0035	0.006
Arsenic	mg/L	0.01		0.005	0.01	0.005	0.01
Barium	mg/L	2.0		0.0587	2.0	0.0547	2.0
Beryllium	mg/L	0.004		0.003	0.004	0.003	0.004
Cadmium	mg/L	0.005		0.0025	0.005	0.0025	0.005
Chromium	mg/L	0.1		0.011	0.1	0.011	0.1
Cobalt (1)	mg/L		0.006	0.005	0.005	0.005	0.005
Fluoride	mg/L	4.0		0.29	4.0	0.29	4.0
Lead (1) (3)	mg/L		0.015	0.005	0.005	0.001	0.001
Lithium (1) (4)	mg/L		0.04	0.03	0.03	0.03	0.03
Mercury	mg/L	0.002		0.0005	0.002	0.0002	0.002
Molybdenum (1)	mg/L		0.1	0.01	0.01	0.01	0.01
Combined Radium	piC/L	5.0		1.783	5.0	1.754	5.0
Selenium	mg/L	0.05		0.01	0.05	0.005	0.05
Thallium	mg/L	0.002		0.001	0.002	0.001	0.002

Notes:

mg/L - milligrams per liter

piC/L - picoCuries per liter

MCL - Maximum Contaminant Level

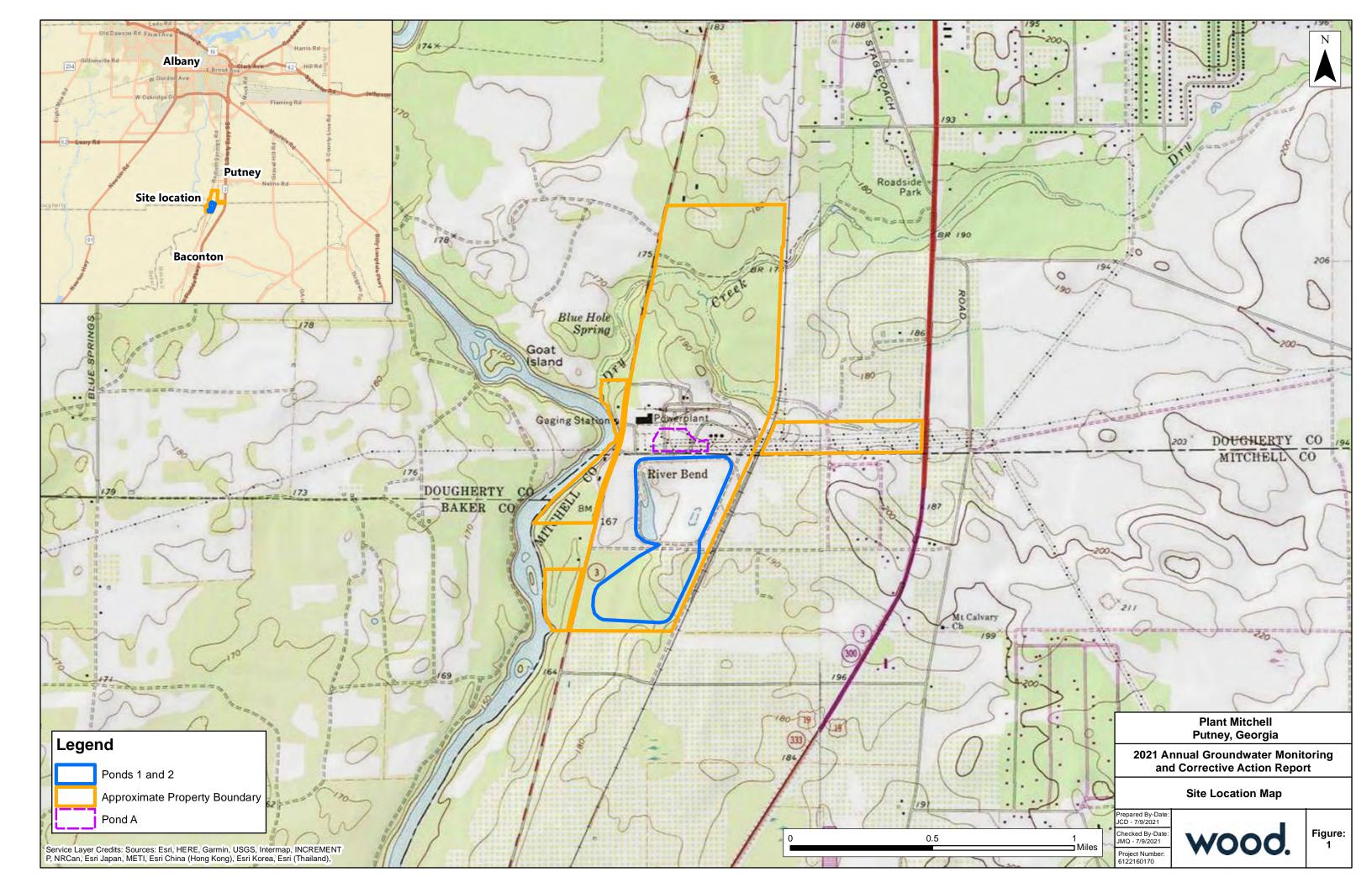
Federal CCR Rule 40 CFR § 257.95 (h) Amendment July 30, 2018 lists levels for cobalt, lead, lithium, and molybdenum.

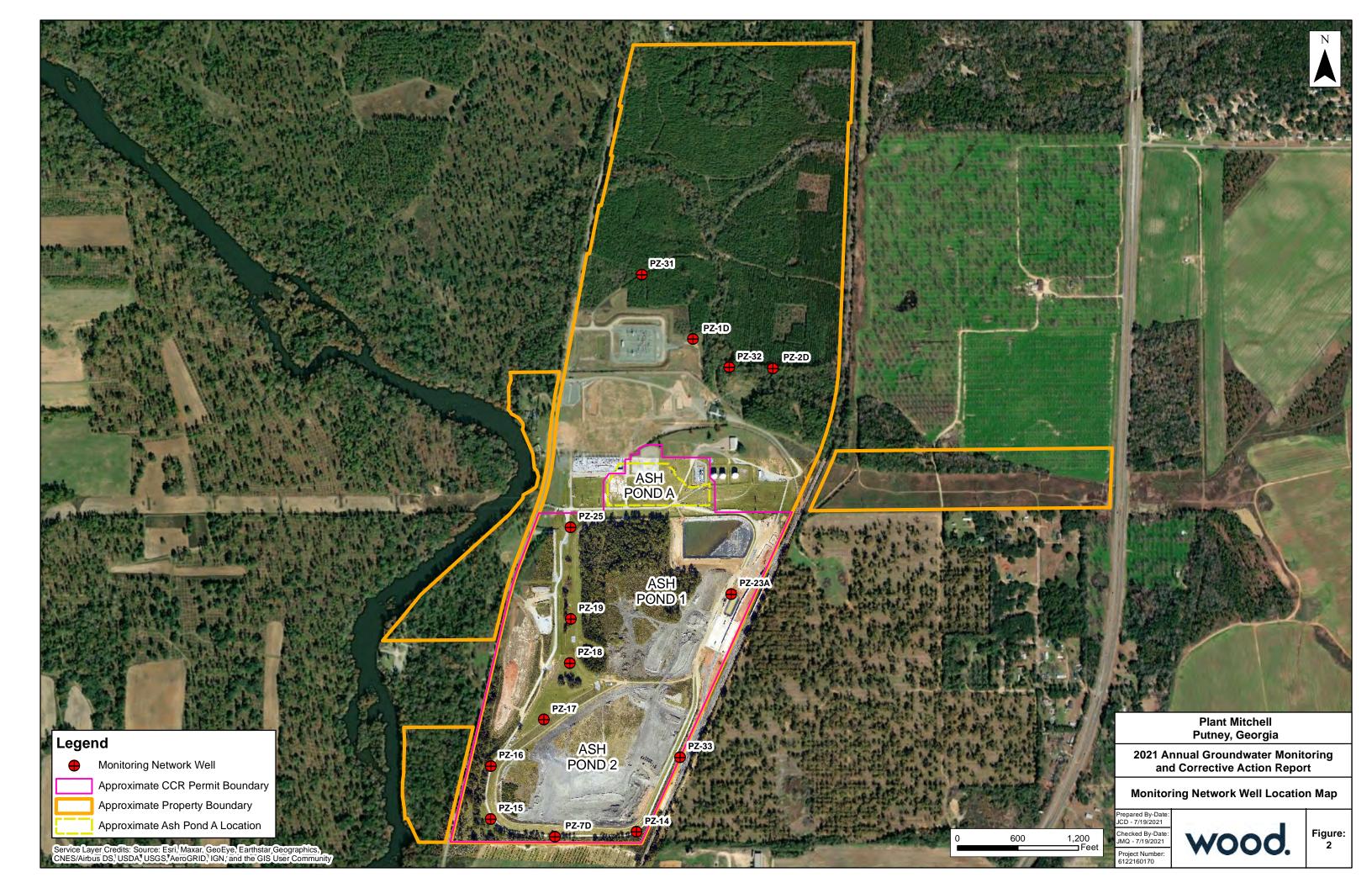
GWPS - Groundwater Protection Standard

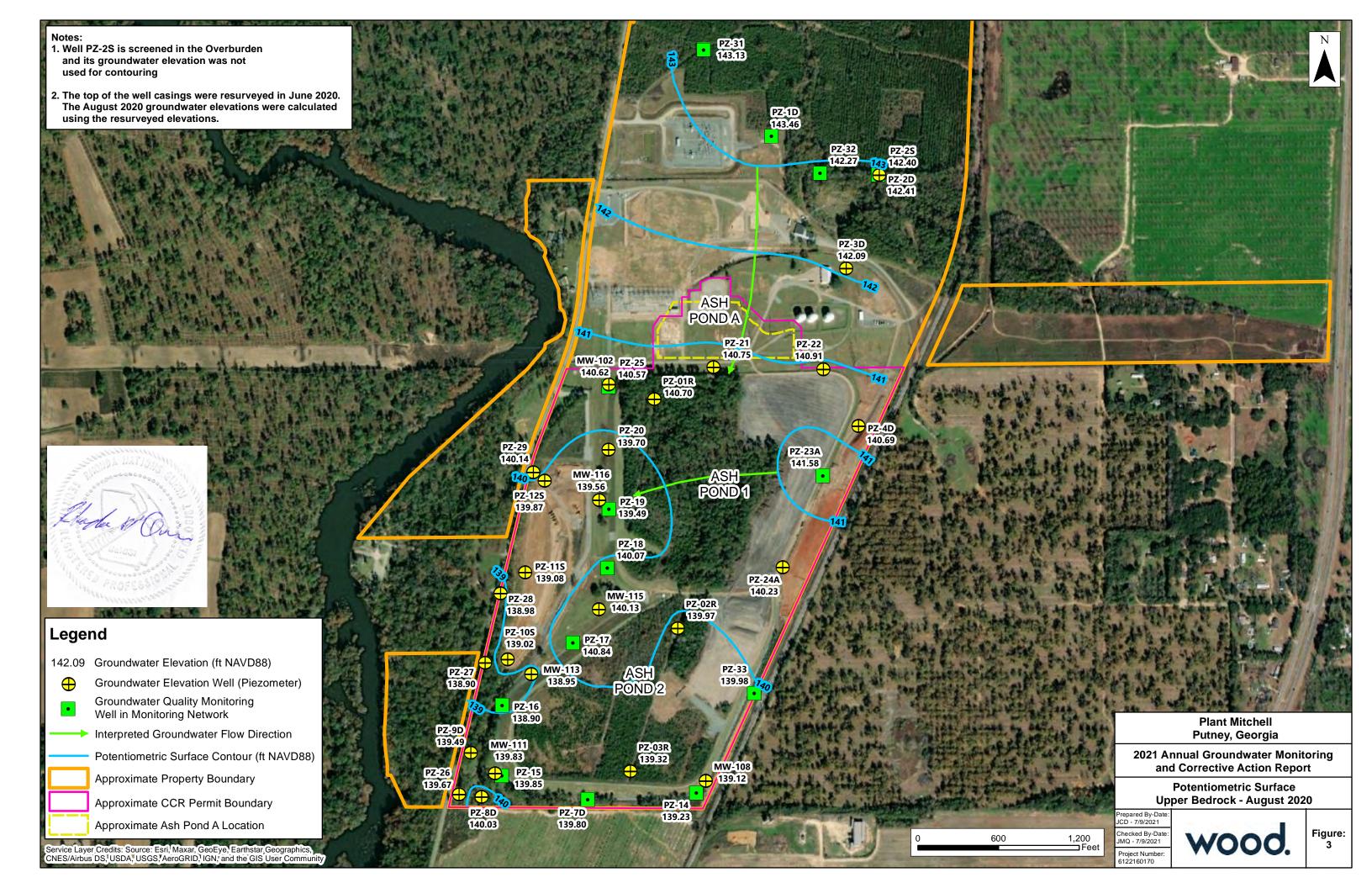
- (1) Constituent without an established MCL. The background limits were used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia Environmental Protection Division (EPD) Rule 391-3-4-.10(6)(a).
- (2) Under the existing Georgia EPD Rules, the GWPS is: (i) the MCL, (ii) where the MCL is not established, the background concentration, or (iii) background concentrations for constituents where the background level is higher than the MCL.
- (3) Currently, there is no MCL established for lead. The value listed is the established USEPA Action Level for drinking water.
- (4) The background tolerance limit (TL) used to evaluate GWPS for lithium is equal to the most recent laboratory specified reporting limit (RL). Per the Statistical Analysis Plan, and in accordance with the Unified Guidance, a non-parametric limit approach was used since the data set contains greater than 50% non-detect results for this analyte. Under this approach, the TL equals the highest value reported, for which is the laboratory RL. However, the highest laboratory RL used was 0.05 mg/L. As a result, we have modified the GWPS to be equal to the most recently used RL (0.03 mg/L).

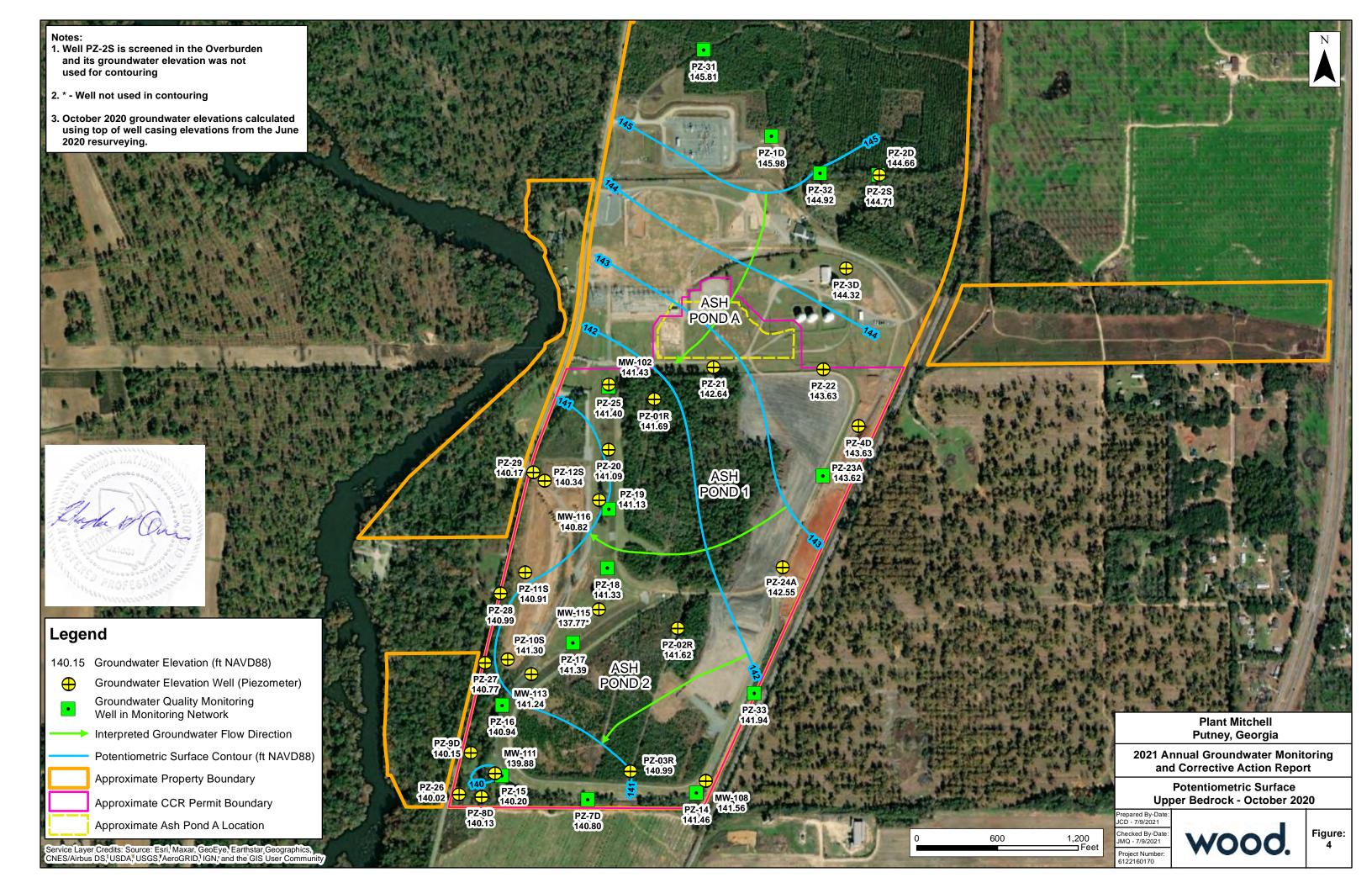
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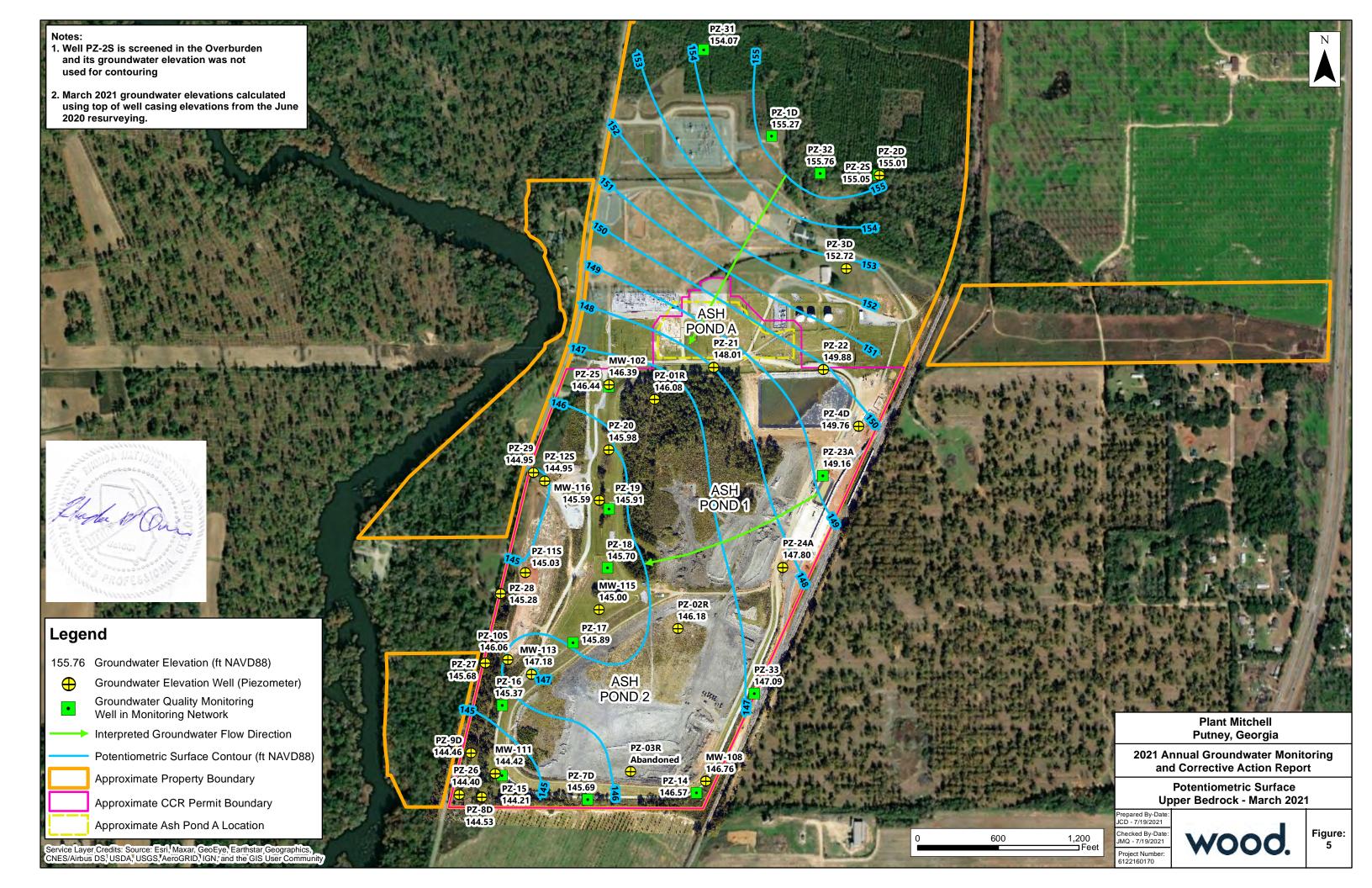
FIGURES











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APPENDIX A

WELL ABANDONMENTS



February 15, 2021

Mr. Jeremy Kerly Charah Solutions, Inc 12601 Plantside Drive Louisville, KY 40299 Environment & Infrastructure Solutions 1075 Big Shanty Road, Suite 100 Kennesaw, Georgia 30144 USA

T: +1 770-421-3400

www.woodplc.com

Subject: Ash Pond 2 Piezometer Abandonment Report

Plant Mitchell Albany, Dougherty and Mitchell County, Georgia

Wood Project No. 6123201586

Dear Mr. Kerly:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to submit this letter summarizing the abandonment of piezometer PZ-03R at Plant Mitchell in Albany, Dougherty County, Georgia (Site). The closure of the piezometer was conducted in preparation for construction activities relating to ash removal that would impact the current locations of select monitoring wells in the Coal Combustion Residuals (CCR) monitoring and gauging program.

Summary of Abandonment Activities

Piezometer PZ-03R, located along the southern end of Ash Pond 2, was abandoned by removal. The well abandonment record is included as Attachment A and the piezometer location is shown on the figure included as Attachment B.

A Wood representative provided oversight and documentation of the abandonment activities, which were conducted by Cascade Drilling personnel. Well abandonment activities were conducted from December 17-18, 2020. Abandonment activities were conducted in accordance with the guidance outlined in the Georgia Water Well Standards Act (O.C.G.A. §12-5-120 through 138), Georgia Geologic Survey (GGS) Circular 13 (Grouting and Plugging of Domestic Water Wells in Georgia), and the U.S. EPA Region 4 Science and Ecosystem Support Division (SESD) guidance (SESDGUID-101-R1, Design and Installation of Monitoring Wells, dated January 29, 2013). A summary of the abandoned wells, including construction details, are provided in Table 1.

The well was abandoned under the direction of a Georgia Professional Engineer. The depth to groundwater and total depth of the well was measured prior to its abandonment. The well was abandoned by overdrilling inside the six-inch outer casing down to the bottom of the well to remove the two-inch well casing. The borehole was backfilled with 5 to 10 percent bentonite cement grout mix placed into the borehole from the bottom to the top by pressure grouting via positive displacement to approximately 25 ft below ground surface which was the approximate bottom of the ash material. The grout was allowed to settle and cure overnight so that the grout would not be displaced when the upper outer casing was over drilled and backfilled with sand.

Mr. Jeremy Kerly Well Abandonment at Plant Mitchell Albany, Dougherty and Mitchell County, Georgia



The following day the top 25 ft of the boring, which was the six-inch outer casing, was over drilled and backfilled by removing one section of the augers at a time and backfilling with sand to the top of the ash pond surface. The two-inch and the six-inch outer casing were removed from the borehole and disposed of. Attachment C provides photographs of the abandonment activities.

Thank you for the opportunity to be of service on this project. Please call us with any questions regarding the information presented herein.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.

Daniel L. Howard

Baniel & Howard

Senior Professional

Gregory J. Wrenn, PE Project Manager

Theyez of When

Attachments:

Table 1 – Well Construction Table Attachment A – Well Abandonment Record Attachment B –Location of Abandoned Piezometer and Photographs Attachment C - Photos of Well Abandonment



Table 1 - Well Construction Table

Ash Pond 2 Well Abandonment Report
Plant Mitchell

Project No. 6123-20-1586 January 22, 2021

	Well ID	Date of Construction	Latitude*	Longitude*	Water- Bearing Zone Monitoring Interval	Location	Well Diameter (inches)	Boring Depth (ft bgs)	Depth	Well Depth (ft btoc)	Field Measured Depth (ft bgs)	Field Measured Depth (ft btoc)	Well Screen Length (ft)	Stick-up Height (ft ags)	Depth to Water (ft btoc)	Date Decom- missioned	Decommission Method	Grout Volume Used (gallons)	
F	PZ-03R	2/9/2016	31.43427	-84.13547	Bedrock	AP-2	2.0	56.4	56.4	61.0	56.4	61.0	10.0	4.6	51.36	12/18/2020	Overdrill	26.5	1250

Notes:

ft Feet bgs Below ground surface

btoc Below top of casing
ags Above ground surface

* Horizontal locations referenced to the North American Datum of 1983

Prepare by: D.H. 1/14/2021 Checked by: N.J.M 1/22/2021

ATTACHMENT A WELL ABANDONMENT RECORD

MONITORING WELL ABANDONMENT RECORD

WELL NO .: PZ-03R

PROJECT NAME: GPC-Plant Mitchell

PROJECT NO.: 6123-20-1586

DATE: 12/17/20 - 12/18/20

Wood

Name of Property Owner GPC-Plant Mitchell
Address of Property 5200 Ralium Springs Rd, Albany, GA 31075
Original Purpose of Well Installation ground-water quality monitoring
Total Depth of Well (Measured from Top of Riser) 6 ft btoc total well depth 56.4 ft bgs total boring depth
Well Diameter inches
Screen Slot Size inch
Length of Screen 10 ft (46,4 to 56.4 ft bgs)
Depth to Water/Date (Measure from Top of Riser) 51.36/10/5/20
Description of Well Abandonment Method <u>Overdrilling</u> and grouting up to bottom of ash and backfilling with sand to the surface Type and Volume of Materials Used to Plug Well/Borehole 226.5 <u>Gallons of Holcim Type I</u> Riser and Screen Removed or Left in Place <u>Removed</u>
Drilling Contractor Cascade Drilling Driller's Name Jimmy Hall
Additional Notes - Well has 6" outer casing down to 225". From 31.4 down to 56.4 was assume estimated to be 2" well through natural soil. Material above 31.4 to 50 surface was assumed to be ash. Top 25 ft was overdrilled with 9" anger and backfilled with sand after 25 ft down to 56.4 ft was overdrilled with 6" anger and backfilled with 6" anger and backfilled with 9 rout.
Wood Environment & Infrastructure Solutions Field Representative Daniel Howard

12/18/20

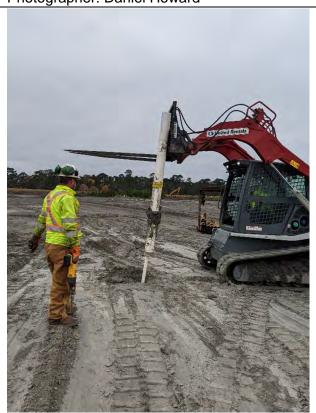
Date Well Abandonment Completed

ATTACHMENT B LOCATION OF ABANDONED PIEZOMETER



ATTACHMENT C PHOTOS OF WELL ABANDMENT

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany Georgia	1
Photographer: Daniel Howard	Date: 12/17/20



Removal of riser pipe and outer casing above ground surface, 6 ft 9 inches.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	2
Photographer: Daniel Howard	Date: 12/17/20



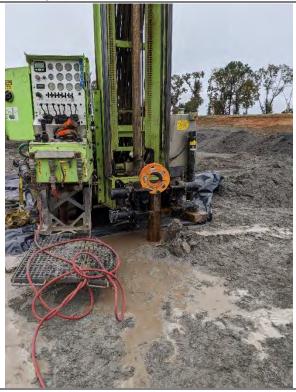
Casing above ground surface has been removed.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	3
Photographer: Daniel Howard	Date: 12/17/20



Setup drill rig on well to begin overdrilling well to abandon well.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	4
Photographer: Daniel Howard	Date: 12/17/20



Two-inch inner casing of well overdrilled with 6 inch auger down to 53 ft.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	5
Photographer: Daniel Howard	Date: 12/17/20



Mixing grout to backfill borehole to bottom of ash pond. Approximately 26.5 gallons

Site: Plant Mitchell, Albany, Georgia 6	
Photographer: Daniel Howard Date: 12/17/20	



Removing augers and well casing after backfilling with grout.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	7
Photographer: Daniel Howard	Date: 12/17/20



Removing final auger and 2-inch casing from overdrilled well.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	8
Photographer: Daniel Howard	Date: 12/17/20



PVC pipe removed from well.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	9
Photographer: Daniel Howard	Date: 12/18/20



Overdrilling outer casing with 9-inch augers in upper 25 ft of the well down to bottom of ash pond.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	10
Photographer: Daniel Howard	Date: 12/18/20



Drilled down to 25 ft. to bottom of ash pond.

Wood Photographic Log	PZ-03R
Plant Mitchell, Albany, Georgia	11
Photographer: Daniel Howard	Date: 12/18/20



Backfilling 25 ft., 9-inch borehole through ash with sand.

Wood Photographic Log	PZ-03R
Site: Plant Mitchell, Albany, Georgia	12
Photographer: Daniel Howard	Date: 12/18/20



Finished backfilling 25 ft, 9-inch borehole from bottom of ash pond to ground surface.



July 26, 2021

Environment & Infrastructure Solutions 1075 Big Shanty Road, Suite 100 Kennesaw, Georgia 30144 USA

T: +1 770-421-3400

www.woodplc.com

Mr. Ben Hodges Southern Company 241 Ralph McGill Blvd NE Bin 10185 Atlanta, GA 30308

Subject: Report of Well Abandonment at Plant Mitchell for Piezometer PZ-26

Putney, Georgia

Wood Project No. 6123201586.01

Dear Mr. Hodges:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to submit this letter summarizing the abandonment of piezometer PZ-26 at Plant Mitchell in Putney, Georgia (Site). The abandonment of the piezometer PZ-26 was conducted because Phase 1 construction activities relating to ash removal will impact the current location of the piezometer in the Coal Combustion Residuals (CCR) monitoring and gauging program.

Summary of Abandonment Activities

Piezometer PZ-26, located outside the southwestern corner of Ash Pond 2, was abandoned on May 4, 2021. The well abandonment record is included as Attachment A and the location is shown on the figure included as Attachment B.

A Wood representative provided oversight and documentation of the abandonment activities, which were conducted by Cascade Drilling personnel. Well abandonment activities were conducted from May 3 to 4, 2021 for PZ-26. Abandonment activities were conducted in accordance with the guidance outlined in the Georgia Water Well Standards Act (O.C.G.A. §12-5-120 through 138), Georgia Geologic Survey (GGS) Circular 13 (Grouting and Plugging of Domestic Water Wells in Georgia), and the U.S. EPA Region 4 Science and Ecosystem Support Division (SESD) guidance (SESDGUID-101-R2, Design and Installation of Monitoring Wells, dated January 16, 2018). A summary of the abandoned piezometer details, including construction details, is provided in Table 1. The piezometer was abandoned under the direction of a Georgia Professional Engineer. The depth to groundwater and total depth of the piezometer was measured prior to abandonment.

Piezometer PZ-26 was abandoned by overdrilling the two-inch well casing with six-inch diameter augers down to the bottom of the well. The two inch well casing was removed and the borehole was backfilled with five to 10 percent bentonite cement grout mix placed into the borehole from the bottom to the top by pressure grouting via positive displacement. The grout settled 15 feet overnight and the top 15 feet were filled with two bags of bentonite chips and hydrated the following day to plug the borehole and then grouted to the ground surface. At the direction of the construction company conducting the pond

Mr. Ben Hodges Report of Well Abandonment at Plant Mitchell for Piezometer PZ-26 Putney, Georgia



closure, the soil cuttings from the abandonment of PZ-26 were placed in a roll-off container with other pond closure waste.

Thank you for the opportunity to be of service on this project. Please call us with any questions regarding the information presented herein.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.

Nicholas McMillan, P.G. Senior Professional

Attachments:

cc:

Table 1 -Piezometer Construction and Abandonment

Attachment A - Well Abandonment Records

Attachment B - Piezometer Location Map

Attachment C - Photos of Well Abandonment

Joju Abraham, Southern Company Services

Gregory J. Wrenn, PE Project Manager



TABLE 1

PIEZOMETER CONSTRUCTION AND ABANDONMENT

Plant Mitchell - Putney, Georgia Ash Pond 2

	Date of Construction		,	Water- Bearing Zone Monitoring Interval	Location	Well Diameter (inches)	Boring Depth (ft bgs)	Field Measured Depth (ft bgs)	Field Measured Depth (ft btoc)	Well Screen Length (ft)	Stick-up Height (ft ags)	Depth to Water (ft btoc)	Decom- missioned	Decommission Method	Grout Volume Used (gallons)	Sand Used (pounds)
PZ-26	10/1/2016	31.433801	-84.139549	Bedrock	AP-2	2.0	50.2	49.6	52.3	10	2.7	23.27	5/4/2021	Overdrill	74.05(2)	N/A

Notes:

tt	Feet

bgs Below ground surface btoc Below top of casing

ags Above ground surface

(1) Horizontal locations referenced to the North American Datum of 1983

(2) In addition to 74.05 gallons of grout, 100 pounds of bentonite chips were added to the top 15 feet to complete the plugging of the borehole.

N/A Not applicable

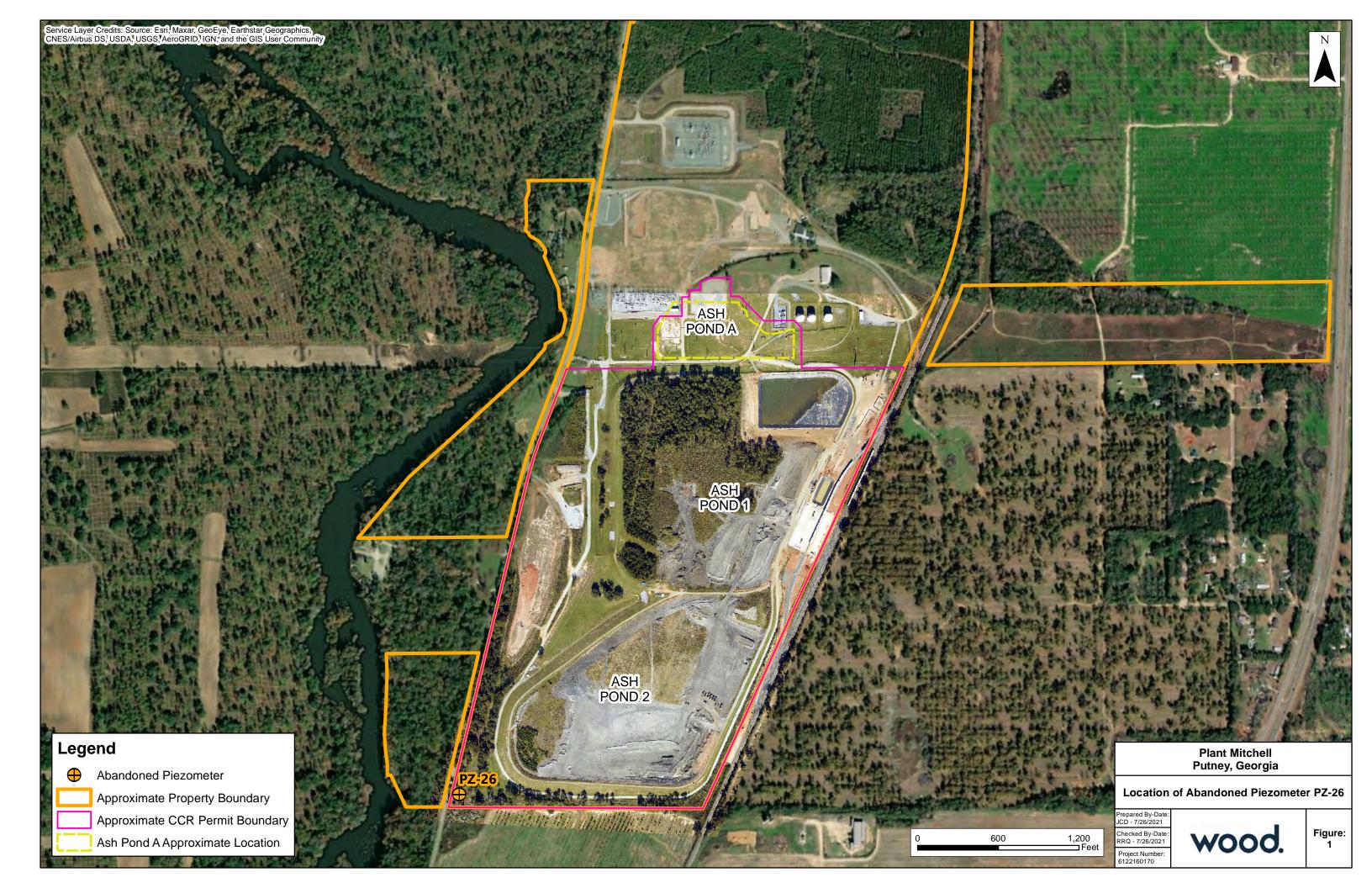
Report of Well Abandonment at Plant Mitchell FOR Piezometer PZ-26

ATTACHMENT A WELL ABANDONMENT RECORDS

MONITORING WELL ABAND	ONMENT RECORD
	WELL NO .: PZ-26
_	PROJECT NAME: Plant Mitchell
wood.	PROJECT NO.: 6123201586 DATE: 5/3/21
Name of Property Owner <u>Georgia Power Co</u>	• •
Address of Property 5200 Radium Spring Rd, A	Albany, GA 31075
Original Purpose of Well Installation Observation Wel	(groundwater quality)
Total Depth of Well (Measured from Top of Riser) <u>52,25</u> ft btoc total well depth	49.55 ft bgs total boring depth
Well Diameter inches	·
Screen Slot Size <u>6.610</u> - inch	
Length of Screen 10 ft (39.55 to 19.5	5 ft bgs)
Depth to Water/Date (Measure from Top of Riser) 23,27+ (4/30/2	
Description of Well Abandonment Method Overdrill and gr	out up to top of ground surface
Type and Volume of Materials Used to Plug Well/Borehole 74.0	Gallons of Portland Coment
Riser and Screen Removed or Left in Place Removed as muc	h of the PVC well casing as possible
Drilling Contractor Cascade	Driller's Name James Everson
Additional Notes - Well is 20 inch diameter down	to 49,55 Ft. The 2 inch
well was overdrilled with a 6 i	nch anger down to
50.2 Ft. All of the PVC well	Casing was removed including
the well screen. I hen the boreho	o to 15ft overnight
well was overdrilled with a 6 is 50.2 Ft. All of the PVC well the well screen. Then the borehas grout. The grout dropped down Add one 5016 bag of bentonite character grouted up to ground surface.	ips to plug the hole, Then
grouted up to ground surface.	
Mand Environment & Information Colored	
Wood Environment & Infrastructure Solutions Field Representative	Daniel Howard

Date Well Abandonment Completed

ATTACHMENT B PIEZOMETER LOCATION MAP



ATTACHMENT C PHOTOS OF WELL ABANDONDMENT

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany Georg	jia 1
Photographer: Daniel Howard	Date: 5/3/2021



Removal of concrete pad and bollards.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	2
Photographer: Daniel Howard	Date: 5/3/2021



Setup of drill rig on well.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	3
Photographer: Daniel Howard	Date: 5/3/2021



Begin overdrilling well to abandon well.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	4
Photographer: Daniel Howard	Date: 5/3/2021



Two-inch inner casing of well overdrilled with 6-inch auger.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	5
Photographer: Daniel Howard	Date: 5/3/2021



Removing part of well casing.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	6
Photographer: Daniel Howard	Date: 5/3/2021



Part of casing inside auger.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	7
Photographer: Daniel Howard	Date: 5/3/2021



Well screen removed from bottom of well.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	8
Photographer: Daniel Howard	Date: 5/3/2021



Complete well casing removed from well.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	9
Photographer: Daniel Howard	Date: 5/3/2021



Grouting up borehole with tremie pipe.

Wood Photographic Log	PZ-26
Site: Plant Mitchell, Albany, Georgia	10
Photographer: Daniel Howard	Date: 5/5/2021



Overdrilled well grouted up to ground surface.

Vood Photographic Log	PZ-26 11 Date: 5/5/2021		
Plant Mitchell, Albany, Georgia			
Photographer: Daniel Howard			

2021 Annual Groundwater Monitoring and Corrective Action Report Georgia Power Company – Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

APPENDIX B

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS

								Specific		Dissolved	
		Purge Volume	Time Elapsed	DTW	Drawdown	Temperature	pН	Conductance	Turbidity	Oxygen	ORP
Well ID	Sample Date	(liter)	(secs)	(feet, TOC)	(feet)	(C)	(su)	(uS/cm)	(NTU)	(mg/L)	(mV)
PZ-14	8/26/20	6.0	1800	44.47	0.24	26.35	6.98	474.15	0.98	4.52	43.45
PZ-14	10/6/20	4.7	1500	42.57	0.30	22.00	7.01	518.52	0.90	5.20	33.14
PZ-14	3/3/21	4.1	1500	36.62	0.24	19.63	6.99	511.39	0.97	4.77	72.0
PZ-15	8/26/20	10.6	1813	31.43	0.28	23.10	7.08	529.20	1.13	0.14	-66.66
PZ-15	10/7/20	11.8	2400	30.88	0.19	23.62	7.11	531.30	1.51	0.17	103.62
PZ-15	3/4/21	6.0	1800	21.62	0.03	21.24	7.09	551.91	0.82	0.15	34.8
PZ-16	8/26/20	7.3	1500	35.04	0.13	22.43	7.18	465.16	0.77	1.12	122.95
PZ-16	10/6/20	5.8	1500	33.51	0.11	22.22	7.24	466.81	0.83	1.29	22.72
PZ-16	3/4/21	7.0	2100	25.68	0.00	20.50	7.34	442.31	1.78	1.50	56.8
PZ-17	8/26/20	8.1	1800	33.30	0.14	22.57	6.98	625.88	0.73	0.15	-66.61
PZ-17	10/7/20	8.2	1800	32.22	0.13	22.09	7.04	641.16	2.08	0.12	-11.82
PZ-17	3/4/21	6.9	1500	22.88	0.19	19.70	7.09	556.36	1.50	0.15	13.3
PZ-18	8/27/20	8.0	2400	29.85	0.21	23.91	6.88	613.20	1.89	0.16	-0.53
PZ-18	10/7/20	5.2	1500	29.39	0.09	23.26	6.91	699.65	1.33	0.22	12.46
PZ-18	3/4/21	5.6	1200	20.62	0.03	21.06	6.91	694.53	1.28	0.14	25.8
PZ-19	8/26/20	7.0	2100	32.61	0.05	24.68	6.68	853.13	1.15	0.18	87.43
PZ-19	10/7/20	8.3	1800	31.61	0.10	22.82	6.78	773.82	0.24	0.15	131.61
PZ-19	3/3/21	7.0	2100	23.94	0.01	20.08	6.78	759.61	0.22	0.20	56.0
PZ-1D	8/25/20	9.0	2700	54.33	1.35	25.79	7.49	223.39	4.71	2.72	43.38
PZ-1D	10/6/20	12.0	3600	52.72	2.00	22.04	7.35	251.48	0.61	2.33	1.18
PZ-1D	3/3/21	12.0	3600	41.21	1.19	17.75	7.56	268.02	1.07	2.63	41.5
PZ-23A	8/26/20	10.0	3301	50.70	0.51	22.73	6.64	768.63	3.76	2.64	102.51
PZ-23A	10/6/20	13.4	4500	48.90	0.45	22.27	6.78	782.26	3.99	2.14	25.18
PZ-23A	3/3/21	9.1	3900	42.47	0.35	19.77	6.79	756.19	4.89	2.54	55.4
PZ-25	8/26/20	7.0	2100	30.88	0.31	24.62	7.09	472.58	0.95	0.23	-88.44
PZ-25	10/7/20	9.9	2100	30.17	0.06	21.84	6.95	456.87	0.18	0.35	59.35
PZ-25	3/3/21	7.0	2100	22.03	0.02	19.71	7.04	457.13	0.36	0.14	-71.6
PZ-2D	8/26/20	7.0	2100	36.25	0.15	20.60	7.97	171.46	1.10	2.10	114.03
PZ-2D	10/6/20	13.8	3000	34.35	0.50	19.78	8.72	133.27	1.40	1.83	66.45
PZ-2D	3/8/21	7.6	2265	20.94	0.17	18.52	7.77	216.49	1.91	3.68	81.5
PZ-31	8/25/20	5.7	1800	40.35	0.44	22.55	7.14	470.14	1.50	4.68	187.03
PZ-31	10/6/20	10.0	3003	37.92	0.59	21.64	7.01	437.51	2.39	4.70	21.56
PZ-31	3/3/21	9.0	2700	26.98	0.61	19.45	7.14	456.28	1.53	5.02	61.0
PZ-32	8/25/20	10.6	2400	38.50	0.06	19.91	7.53	319.44	0.09	0.50	134.60
PZ-32	10/6/20	14.5	2701	36.28	0.00	19.48	7.27	318.64	0.10	0.61	110.73
PZ-32	3/3/21	6.3	1500	21.64	-0.03	17.45	7.41	311.25	0.73	0.39	72.5
PZ-33	8/26/20	7.0	2103	50.03	0.40	21.91	6.99	508.72	0.46	0.15	16.45
PZ-33	10/7/20	13.0	3900	48.44	0.22	23.91	7.04	576.98	0.36	0.22	19.64
PZ-33	3/4/21	7.0	2100	40.81	0.81	21.03	7.22	510.21	1.27	0.15	37.1
PZ-7D	8/26/20	8.0	2400	33.48	0.20	24.28	7.01	508.25	0.93	0.28	19.02
PZ-7D	10/7/20	9.3	2100	32.83	1.11	22.07	6.98	554.30	1.00	0.32	114.85
PZ-7D	3/4/21	6.0	1800	23.31	-0.02	20.43	6.95	587.33	2.21	0.51	76.3





June 03, 2021

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

RE: Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between August 27, 2020 and August 28, 2020. 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,

Kevin Herring

kevin.herring@pacelabs.com

Ken Herry

1(704)875-9092

HORIZON Database Administrator

Enclosures

cc: Joju Abraham, Georgia Power-CCR Kristen Jurinko Ms. Lauren Petty, Southern Company Rhonda Quinn, WOOD E&I Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS



CERTIFICATIONS

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078 Louisiana/NELAP Certification # LA170028 North Carolina Drinking Water Certification #: 37706 North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092 Florida DOH Certification #: E87315 Georgia DW Inorganics Certification #: 812 South Carolina Certification #: 99006001 Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84 Virginia/VELAP Certification #: 460221

North Carolina Wastewater Certification #: 40 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

North Carolina Certification #: 381 South Carolina Certification #: 98011001



SAMPLE SUMMARY

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92492821001	PZ-23A	Water	08/26/20 10:10	08/27/20 09:47
92492821002	DUP-02	Water	08/26/20 00:00	08/27/20 09:47
92492821003	PZ-15	Water	08/26/20 12:25	08/27/20 09:47
92492821004	PZ-16	Water	08/26/20 14:10	08/27/20 09:47
92492821005	PZ-17	Water	08/26/20 15:45	08/27/20 09:47
92492821006	PZ-19	Water	08/26/20 15:35	08/27/20 09:47
92492821007	PZ-33	Water	08/26/20 10:20	08/27/20 09:47
92492821008	PZ-14	Water	08/26/20 14:10	08/27/20 09:47
92492821009	PZ-7D	Water	08/26/20 15:35	08/27/20 09:47
92492821010	EB-01	Water	08/25/20 14:45	08/27/20 09:47
92492821011	PZ-32	Water	08/25/20 14:55	08/27/20 09:47
92492821012	PZ-31	Water	08/25/20 16:15	08/27/20 09:47
92492821013	PZ-1D	Water	08/25/20 16:05	08/27/20 09:47
92492821014	FB-01	Water	08/26/20 08:40	08/27/20 09:47
92492821015	PZ-2D + QC	Water	08/26/20 10:52	08/27/20 09:47
92492821016	PZ-25	Water	08/26/20 13:50	08/27/20 09:47
92492821017	DUP-01	Water	08/26/20 00:00	08/27/20 09:47
92492821018	PZ-18 + QC	Water	08/27/20 10:05	08/28/20 11:08



SAMPLE ANALYTE COUNT

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92492821001	PZ-23A	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821002	DUP-02	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821003	PZ-15	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821004	PZ-16	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821005	PZ-17	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821006	PZ-19	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821007	PZ-33	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821008	PZ-14	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821009	PZ-7D	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821010	EB-01	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821011	PZ-32	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821012	PZ-31	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821013	PZ-1D	EPA 6020B	CW1	12

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Lab ID	Sample ID	Method	Analysts	Analytes Reported
	_	EPA 7470A		1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821014	FB-01	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821015	PZ-2D + QC	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821016	PZ-25	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821017	DUP-01	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92492821018	PZ-18 + QC	EPA 6020B	CW1	12
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	BRJ	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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



SUMMARY OF DETECTION

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Lab Sample ID	Client Sample ID					
Method	Parameters —	Result	Units	Report Limit	Analyzed	Qualifiers
2492821001	PZ-23A					
	рН	6.64	Std. Units		09/10/20 09:33	
EPA 6020B	Antimony	0.00038J	mg/L	0.0030	09/01/20 16:40	В
EPA 6020B	Barium	0.039	mg/L	0.010	09/01/20 16:40	
PA 6020B	Chromium	0.0014J	mg/L	0.010	09/01/20 16:40	
PA 6020B	Cobalt	0.00058J	mg/L	0.0050	09/01/20 16:40	
PA 6020B	Lithium	0.0011J	mg/L	0.030	09/01/20 16:40	
PA 6020B	Selenium	0.0026J	mg/L	0.010	09/01/20 16:40	
PA 6020B	Thallium	0.00016J	mg/L	0.0010	09/01/20 16:40	
PA 7470A	Mercury	0.00017J	mg/L	0.00050	09/01/20 10:37	
PA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L		08/28/20 18:40	
2492821002	DUP-02					
	рН	6.64	Std. Units		09/10/20 09:33	
PA 6020B	Antimony	0.0016J	mg/L	0.0030	09/01/20 17:03	В
PA 6020B	Barium	0.037	mg/L	0.010	09/01/20 17:03	
PA 6020B	Chromium	0.0013J	mg/L	0.010	09/01/20 17:03	
PA 6020B	Cobalt	0.00055J	mg/L	0.0050		
PA 6020B	Lithium	0.0011J	mg/L	0.030	09/01/20 17:03	
PA 6020B	Selenium	0.0033J	mg/L	0.010		
PA 7470A	Mercury	0.00017J	mg/L	0.00050	09/01/20 10:46	
2492821003	PZ-15		J			
	рН	7.08	Std. Units		09/10/20 09:33	
PA 6020B	Antimony	0.00062J	mg/L	0.0030		В
PA 6020B	Barium	0.053	mg/L	0.010	09/01/20 17:08	
PA 6020B	Lithium	0.0013J	mg/L	0.030	09/01/20 17:08	
PA 6020B	Selenium	0.0018J	mg/L	0.010	09/01/20 17:08	
PA 6020B	Thallium	0.00027J	mg/L	0.0010		
492821004	PZ-16		9. –			
1402021004	pH	7.18	Std. Units		09/10/20 09:33	
PA 6020B	Antimony	0.00037J	mg/L	0.0030	09/01/20 17:14	R
PA 6020B	Barium	0.036	mg/L	0.010	09/01/20 17:14	Ь
PA 6020B	Chromium	0.00087J	mg/L		09/01/20 17:14	
		0.000073	mg/L	0.010	03/01/20 17:14	
492821005	PZ-17	6.00	Ctd Unito		00/40/20 00:22	
DA 0000D	pH	6.98	Std. Units	0.0000	09/10/20 09:33	Б
PA 6020B	Antimony	0.00061J	mg/L		09/01/20 17:20	В
PA 6020B	Barium	0.077	mg/L		09/01/20 17:20	
PA 6020B	Lithium	0.0028J	mg/L		09/01/20 17:20	
PA 6020B	Thallium	0.00025J	mg/L	0.0010	09/01/20 17:20	
2492821006	PZ-19					
	рH	6.68	Std. Units		09/10/20 09:33	
PA 6020B	Barium	0.049	mg/L	0.010	09/01/20 17:46	
PA 6020B	Lithium	0.011J	mg/L	0.030	09/01/20 17:46	
PA 6020B	Molybdenum	0.0020J	mg/L	0.010	09/01/20 17:46	
PA 6020B	Selenium	0.0031J	mg/L	0.010	09/01/20 17:46	
PA 6020B	Thallium	0.00056J	mg/L	0.0010	09/01/20 17:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
- Inclined			Office	- Troport Limit	- Thaiyzou	Quamore
92492821006	PZ-19					
EPA 7470A	Mercury	0.00010J	mg/L	0.00050	09/01/20 11:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	08/28/20 20:25	
92492821007	PZ-33					
	рН	6.99	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.051	mg/L	0.010	09/01/20 17:52	
EPA 7470A	Mercury	0.00011J	mg/L	0.00050	09/01/20 11:03	
92492821008	PZ-14					
	рН	6.98	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.016	mg/L	0.010		
EPA 6020B	Chromium	0.0011J	mg/L	0.010	09/01/20 17:57	
EPA 7470A	Mercury	0.00015J	mg/L	0.00050	09/01/20 11:05	
2492821009	PZ-7D					
	рН	7.01	Std. Units		09/10/20 09:33	
EPA 6020B	Antimony	0.00031J	mg/L	0.0030	09/01/20 18:03	В
EPA 6020B	Barium	0.0070J	mg/L	0.010	09/01/20 18:03	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	09/01/20 18:03	
EPA 6020B	Lithium	0.0023J	mg/L	0.030	09/01/20 18:03	
EPA 6020B	Selenium	0.0018J	mg/L	0.010	09/01/20 18:03	
92492821011	PZ-32					
	рН	7.53	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.015	mg/L	0.010		
EPA 6020B	Chromium	0.0010J	mg/L	0.010	09/01/20 18:14	
EPA 6020B	Lead	0.000063J	mg/L	0.0050	09/01/20 18:14	
2492821012	PZ-31					
	рН	7.14	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.0071J	mg/L	0.010	09/01/20 18:20	
EPA 6020B	Chromium	0.0011J	mg/L	0.010	09/01/20 18:20	
EPA 7470A	Mercury	0.00010J	mg/L	0.00050	09/01/20 11:15	
2492821013	PZ-1D					
	рН	7.49	Std. Units		09/10/20 09:33	
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	09/01/20 18:26	В
EPA 6020B	Barium	0.014	mg/L	0.010		
EPA 6020B	Chromium	0.0030J	mg/L		09/01/20 18:26	
EPA 6020B	Lead	0.000065J	mg/L	0.0050		
EPA 6020B EPA 7470A	Molybdenum Mercury	0.0010J 0.000099J	mg/L mg/L	0.010	09/01/20 18:26 09/01/20 11:17	
	•	0.0000333	mg/L	0.00030	55/01/20 11.17	
92492821014	FB-01		_			
EPA 7470A	Mercury	0.000099J	mg/L	0.00050	09/01/20 11:19	
92492821015	PZ-2D + QC					
	рН	7.97	Std. Units		09/10/20 09:33	
EPA 6020B	Antimony	0.00080J	mg/L	0.0030	09/01/20 18:37	В
EPA 6020B	Barium	0.0051J	mg/L	0.010	09/01/20 18:37	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2492821015	PZ-2D + QC			- '		
EPA 6020B	Chromium	0.0040J	mg/L	0.010	09/01/20 18:37	
EPA 6020B	Lithium	0.0015J	mg/L	0.030	09/01/20 18:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/28/20 23:38	
2492821016	PZ-25					
	рH	7.09	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.10	mg/L	0.010	09/01/20 18:54	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	09/01/20 18:54	
EPA 6020B	Lithium	0.0065J	mg/L	0.030	09/01/20 18:54	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	09/01/20 18:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/29/20 00:23	
2492821017	DUP-01					
	pН	7.09	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.10	mg/L	0.010	09/01/20 19:00	
EPA 6020B	Cobalt	0.0015J	mg/L	0.0050	09/01/20 19:00	
EPA 6020B	Lithium	0.0062J	mg/L	0.030	09/01/20 19:00	
EPA 6020B	Thallium	0.00036J	mg/L	0.0010	09/01/20 19:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/29/20 01:08	
2492821018	PZ-18 + QC					
	pН	6.88	Std. Units		09/10/20 09:33	
EPA 6020B	Barium	0.023	mg/L	0.010	09/01/20 20:39	
EPA 6020B	Lithium	0.0025J	mg/L	0.030	09/01/20 20:39	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-23A	Lab ID:	92492821001	Collecte	ed: 08/26/20	10:10	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte	;					
рН	6.64	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Pre	paration Met	hod: Ef	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	3A				
Antimony	0.00038J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 16:40	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 16:40	7440-38-2	
Barium	0.039	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 16:40	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 16:40	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 16:40	7440-43-9	
Chromium	0.0014J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 16:40	7440-47-3	
Cobalt	0.00058J	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 16:40	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 16:40	7439-92-1	
Lithium	0.0011J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 16:40	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 16:40	7439-98-7	
Selenium	0.0026J	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 16:40	7782-49-2	
Thallium	0.00016J	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 16:40	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	0.00017J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 10:37	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	0.057J	mg/L	0.10	0.050	1		08/28/20 18:40	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: DUP-02	Lab ID:	92492821002	Collecte	ed: 08/26/20	00:00	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte						
рН	6.64	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Pre	paration Met	hod: Ef	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	€A				
Antimony	0.0016J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:03	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:03	7440-38-2	
Barium	0.037	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:03	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:03	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:03	7440-43-9	
Chromium	0.0013J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:03	7440-47-3	
Cobalt	0.00055J	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:03	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:03	7439-92-1	
Lithium	0.0011J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:03	7439-98-7	
Selenium	0.0033J	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:03	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:03	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	0.00017J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 10:46	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 18:55	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-15	Lab ID:	92492821003	Collecte	ed: 08/26/20	12:25	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Ana	ytical Services	- Charlotte						
ЭН	7.08	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Ana	ytical Services	- Peachtre	e Corners, C	βA				
Antimony	0.00062J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:08	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:08	7440-38-2	
Barium	0.053	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:08	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:08	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:08	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:08	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:08	7439-92-1	
Lithium	0.0013J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:08	7439-98-7	
Selenium	0.0018J	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:08	7782-49-2	
Thallium	0.00027J	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:08	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	7470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Ana	ytical Services	- Peachtre	e Corners, C	€A				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 10:48	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Ana	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 19:10	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-16	Lab ID:	92492821004	Collecte	ed: 08/26/20	14:10	Received: 08	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte	;					
ЭН	7.18	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: Ef	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Antimony	0.00037J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:14	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:14	7440-38-2	
Barium	0.036	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:14	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:14	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:14	7440-43-9	
Chromium	0.00087J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:14	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:14	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:14	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:14	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:14	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	'470A Pre _l	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 10:51	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
•	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 19:25	16984-48-8	
		-							



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-17	Lab ID:	92492821005	Collecte	ed: 08/26/20	15:45	Received: 08	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte	;					
Н	6.98	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Antimony	0.00061J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:20	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:20	7440-38-2	
Barium	0.077	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:20	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:20	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:20	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:20	7439-92-1	
_ithium	0.0028J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:20	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:20	7782-49-2	
Γhallium	0.00025J	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:20	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	7470A Prej	paration Met	nod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 10:53	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
-	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 19:40	16984-48-8	
		-							



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-19	Lab ID:	92492821006	Collecte	ed: 08/26/20	15:35	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte)					
Н	6.68	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:46	7440-38-2	
Barium	0.049	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:46	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:46	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:46	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:46	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:46	7439-92-1	
_ithium	0.011J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:46	7439-93-2	
Molybdenum	0.0020J	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:46	7439-98-7	
Selenium	0.0031J	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:46	7782-49-2	
Thallium	0.00056J	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:46	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	470A Pre	paration Met	nod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	0.00010J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:00	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
•	Pace Anal	ytical Services	- Asheville	:					
Fluoride	0.062J	mg/L	0.10	0.050	1		08/28/20 20:25	16984-48-8	
		-							



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-33	Lab ID:	92492821007	Collecte	ed: 08/26/20	10:20	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	lytical Services	- Charlotte						
Н	6.99	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	lytical Services	- Peachtre	e Corners, G	SA.				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:52	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:52	7440-38-2	
Barium	0.051	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:52	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:52	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:52	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:52	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:52	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:52	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:52	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:52	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:52	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:52	7440-28-0	
470 Mercury	Analytical	Method: EPA 7	'470A Pre	paration Met	hod: EF	PA 7470A			
	Pace Anal	lytical Services	- Peachtre	e Corners, C	βA				
Mercury	0.00011J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:03	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Anal	lytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 21:39	16084-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-14	Lab ID:	92492821008	Collecte	ed: 08/26/20	14:10	Received: 08	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL .	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte)					
Н	6.98	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 17:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 17:57	7440-38-2	
Barium	0.016	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 17:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 17:57	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 17:57	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 17:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 17:57	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 17:57	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 17:57	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 17:57	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 17:57	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 17:57	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	7470A Prej	paration Met	nod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Mercury	0.00015J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:05	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 21:54	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-7D	Lab ID:	92492821009	Collecte	ed: 08/26/20	15:35	Received: 08	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte)					
рН	7.01	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Pre	paration Met	hod: El	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Antimony	0.00031J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:03	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:03	7440-38-2	
Barium	0.0070J	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:03	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:03	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:03	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:03	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:03	7439-92-1	
Lithium	0.0023J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:03	7439-98-7	
Selenium	0.0018J	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:03	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:03	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:07	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 22:09	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: EB-01	Lab ID:	92492821010	Collecte	ed: 08/25/20	14:45	Received: 08/	27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical I	Method: EPA	6020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Analy	tical Services	- Peachtre	e Corners, G	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:09	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:09	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:09	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:09	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:09	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:09	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:09	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:09	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:09	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:09	7440-28-0	
7470 Mercury	Analytical I	Method: EPA	7470A Pre	paration Meth	nod: EF	PA 7470A			
•	Pace Analy	tical Services	- Peachtre	e Corners, G	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:10	7439-97-6	
300.0 IC Anions 28 Days	Analytical I	Method: EPA	300.0 Rev 2	2.1 1993					
·	Pace Analy	tical Services	- Asheville	;					
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 22:24	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-32	Lab ID:	92492821011	Collecte	ed: 08/25/20	14:55	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte	:					
Н	7.53	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:14	7440-38-2	
Barium	0.015	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:14	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:14	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:14	7440-43-9	
Chromium	0.0010J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:14	7440-48-4	
_ead	0.000063J	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:14	7439-92-1	
ithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:14	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:14	7782-49-2	
⁻ hallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:14	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prej	paration Met	nod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:12	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
-	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 22:39	16984-48-8	
		=							



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-31	Lab ID:	92492821012	Collecte	ed: 08/25/20	16:15	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte						
Н	7.14	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Prej	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	SA.				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:20	7440-38-2	
Barium	0.0071J	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:20	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:20	7440-43-9	
Chromium	0.0011J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:20	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:20	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:20	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:20	7440-28-0	
470 Mercury	Analytical	Method: EPA 7	7470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	βA				
Mercury	0.00010J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:15	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 22:54	16084-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-1D	Lab ID:	92492821013	Collecte	ed: 08/25/20	16:05	Received: 08	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Analy	ytical Services	- Charlotte	;					
рН	7.49	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Prep	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	SA.				
Antimony	0.0012J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:26	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:26	7440-38-2	
Barium	0.014	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:26	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:26	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:26	7440-43-9	
Chromium	0.0030J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:26	7440-48-4	
Lead	0.000065J	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:26	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:26	7439-93-2	
Molybdenum	0.0010J	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:26	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:26	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prep	paration Met	hod: EF	PA 7470A			
	Pace Analy	ytical Services	- Peachtre	e Corners, C	SA.				
Mercury	0.000099J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:17	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 23:09	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: FB-01	Lab ID:	92492821014	Collecte	ed: 08/26/20	08:40	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical I	Method: EPA	6020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Analy	tical Services	s - Peachtre	e Corners, C	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:32	7440-38-2	
Barium	ND	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:32	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:32	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:32	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:32	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:32	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:32	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:32	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:32	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:32	7440-28-0	
7470 Mercury	Analytical I	Method: EPA	7470A Pre	paration Met	hod: EF	PA 7470A			
	Pace Analy	tical Service:	s - Peachtre	e Corners, C	βA				
Mercury	0.000099J	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:19	7439-97-6	
300.0 IC Anions 28 Days	Analytical I	Method: EPA	300.0 Rev 2	2.1 1993					
-	Pace Analy	tical Services	s - Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/28/20 23:23	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-2D + QC	Lab ID:	92492821015	Collecte	ed: 08/26/20	10:52	Received: 08	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Analy	ytical Services	- Charlotte)					
рН	7.97	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Antimony	0.00080J	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:37	7440-36-0	В
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:37	7440-38-2	
3arium	0.0051J	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:37	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:37	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:37	7440-43-9	
Chromium	0.0040J	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:37	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:37	7439-92-1	
_ithium	0.0015J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:37	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:37	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:37	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:37	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	470A Pre	paration Met	nod: EF	PA 7470A			
	Pace Analy	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:26	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville	:					
Fluoride	0.057J	mg/L	0.10	0.050	1		08/28/20 23:38	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-25	Lab ID:	92492821016	Collecte	ed: 08/26/20	13:50	Received: 08/	/27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte						
ЭΗ	7.09	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA	6020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 18:54	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 18:54	7440-38-2	
Barium	0.10	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 18:54	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 18:54	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 18:54	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 18:54	7440-47-3	
Cobalt	0.0016J	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 18:54	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 18:54	7439-92-1	
_ithium	0.0065J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 18:54	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 18:54	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 18:54	7782-49-2	
Γhallium	0.00037J	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 18:54	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prep	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:29	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Anal	ytical Services	- Asheville						
Fluoride	0.14	mg/L	0.10	0.050	1		08/29/20 00:23	16984-48-8	



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: DUP-01	Lab ID:	92492821017	Collecte	ed: 08/26/20	00:00	Received: 08/	27/20 09:47 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte						
Н	7.09	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Prep	paration Metl	nod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	iΑ				
Antimony	ND	mg/L	0.0030	0.00028	1	08/28/20 11:31	09/01/20 19:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	08/28/20 11:31	09/01/20 19:00	7440-38-2	
Barium	0.10	mg/L	0.010	0.00071	1	08/28/20 11:31	09/01/20 19:00	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	08/28/20 11:31	09/01/20 19:00	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	08/28/20 11:31	09/01/20 19:00	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	08/28/20 11:31	09/01/20 19:00	7440-47-3	
Cobalt	0.0015J	mg/L	0.0050	0.00038	1	08/28/20 11:31	09/01/20 19:00	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	08/28/20 11:31	09/01/20 19:00	7439-92-1	
Lithium	0.0062J	mg/L	0.030	0.00081	1	08/28/20 11:31	09/01/20 19:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	08/28/20 11:31	09/01/20 19:00	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	08/28/20 11:31	09/01/20 19:00	7782-49-2	
Fhallium	0.00036J	mg/L	0.0010	0.00014	1	08/28/20 11:31	09/01/20 19:00	7440-28-0	
470 Mercury	Analytical	Method: EPA 7	7470A Prep	paration Meth	nod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, G	iΑ				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:31	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Page Anal	ytical Services	- Asheville						
	i acc Ana	y liour Corvioco	7 10110 11110						



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Sample: PZ-18 + QC	Lab ID:	92492821018	Collecte	ed: 08/27/20	10:05	Received: 08/	/28/20 11:08 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte)					
ЭΗ	6.88	Std. Units			1		09/10/20 09:33		
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	€A				
Antimony	ND	mg/L	0.0030	0.00028	1	09/01/20 14:03	09/01/20 20:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/01/20 14:03	09/01/20 20:39	7440-38-2	
Barium	0.023	mg/L	0.010	0.00071	1	09/01/20 14:03	09/01/20 20:39	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/01/20 14:03	09/02/20 17:27	7440-41-7	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/01/20 14:03	09/01/20 20:39	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/01/20 14:03	09/01/20 20:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/01/20 14:03	09/01/20 20:39	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	09/01/20 14:03	09/01/20 20:39	7439-92-1	
_ithium	0.0025J	mg/L	0.030	0.00081	1	09/01/20 14:03	09/01/20 20:39	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	09/01/20 14:03	09/01/20 20:39	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	09/01/20 14:03	09/01/20 20:39	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	09/01/20 14:03	09/01/20 20:39	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	470A Pre	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	08/31/20 11:00	09/01/20 11:34	7439-97-6	
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
•	Pace Anal	ytical Services	- Asheville						
Fluoride	ND	mg/L	0.10	0.050	1		08/29/20 19:27	16984-48-8	
		-							



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

QC Batch: 563083 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92492821001, 92492821002, 92492821003, 92492821004, 92492821005, 92492821006, 92492821007,

 $92492821008, \, 92492821009, \, 92492821010, \, 92492821011, \, 92492821012, \, 92492821013, \, 92492821014, \, 9249$

92492821015, 92492821016, 92492821017

METHOD BLANK: 2985842 Matrix: Water

Associated Lab Samples: 92492821001, 92492821002, 92492821003, 92492821004, 92492821005, 92492821006, 92492821007,

92492821008, 92492821009, 92492821010, 92492821011, 92492821012, 92492821013, 92492821014,

92492821015, 92492821016, 92492821017

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00043J	0.0030	0.00028	09/01/20 16:28	
Arsenic	mg/L	ND	0.0050	0.00078	09/01/20 16:28	
Barium	mg/L	ND	0.010	0.00071	09/01/20 16:28	
Beryllium	mg/L	ND	0.0030	0.000046	09/01/20 16:28	
Cadmium	mg/L	ND	0.0025	0.00012	09/01/20 16:28	
Chromium	mg/L	ND	0.010	0.00055	09/01/20 16:28	
Cobalt	mg/L	ND	0.0050	0.00038	09/01/20 16:28	
Lead	mg/L	ND	0.0050	0.000036	09/01/20 16:28	
Lithium	mg/L	ND	0.030	0.00081	09/01/20 16:28	
Molybdenum	mg/L	ND	0.010	0.00069	09/01/20 16:28	
Selenium	mg/L	ND	0.010	0.0016	09/01/20 16:28	
Thallium	mg/L	ND	0.0010	0.00014	09/01/20 16:28	

LABORATORY CONTROL SAMPLE:	2985843					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.090	90	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Cadmium	mg/L	0.1	0.094	94	80-120	
Chromium	mg/L	0.1	0.094	94	80-120	
Cobalt	mg/L	0.1	0.092	92	80-120	
Lead	mg/L	0.1	0.093	93	80-120	
Lithium	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.096	96	80-120	
Selenium	mg/L	0.1	0.089	89	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	

MATRIX SPIKE & MATRIX S	PIKE DUPL	ICATE: 2985	844		2985845							
			MS	MSD								
		92492821001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/L	0.00038J	0.1	0.1	0.096	0.095	96	95	75-125	2	20	

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



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

MATRIX SPIKE & MATRIX	SPIKE DUPLIC	CATE: 2985	844		2985845							
Parameter	9 Units	2492821001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.092	0.095	92	95	75-125	3	20	
Barium	mg/L	0.039	0.1	0.1	0.13	0.13	90	89	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.087	0.086	87	86	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20	
Chromium	mg/L	0.0014J	0.1	0.1	0.093	0.094	92	93	75-125	1	20	
Cobalt	mg/L	0.00058J	0.1	0.1	0.090	0.092	89	92	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.087	0.089	87	89	75-125	2	20	
Lithium	mg/L	0.0011J	0.1	0.1	0.089	0.088	87	87	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.096	96	95	75-125	1	20	
Selenium	mg/L	0.0026J	0.1	0.1	0.097	0.099	95	96	75-125	2	20	
Thallium	mg/L	0.00016J	0.1	0.1	0.088	0.090	88	90	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.



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

QC Batch: 563747
QC Batch Method: EPA 3005A

Analysis Method: EPA 6020B Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92492821018

METHOD BLANK: 2988642 Matrix: Water

Associated Lab Samples: 92492821018

Arsenic mg/L ND 0.0050 0.0078 09/01/20 19:19 Barium mg/L ND 0.010 0.00071 09/01/20 19:19 Beryllium mg/L ND 0.0030 0.00046 09/02/20 16:41 Cadmium mg/L ND 0.0025 0.00012 09/01/20 19:19 Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.030 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.0016 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	7,0000lated Edb Campies: 924920	21010					
Antimony mg/L ND 0.0030 0.00028 09/01/20 19:19 Arsenic mg/L ND 0.0050 0.00078 09/01/20 19:19 Barium mg/L ND 0.010 0.00071 09/01/20 19:19 Beryllium mg/L ND 0.0030 0.000046 09/02/20 16:41 Cadmium mg/L ND 0.0025 0.00012 09/01/20 19:19 Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.0050 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19			Blank	Reporting			
Arsenic mg/L ND 0.0050 0.0078 09/01/20 19:19 Barium mg/L ND 0.010 0.00071 09/01/20 19:19 Beryllium mg/L ND 0.0030 0.00046 09/02/20 16:41 Cadmium mg/L ND 0.0025 0.00012 09/01/20 19:19 Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.030 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.0016 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Barium mg/L ND 0.010 0.00071 09/01/20 19:19 Beryllium mg/L ND 0.0030 0.00046 09/02/20 16:41 Cadmium mg/L ND 0.0025 0.00012 09/01/20 19:19 Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.030 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Antimony	mg/L	ND	0.0030	0.00028	09/01/20 19:19	
Beryllium mg/L ND 0.0030 0.00046 09/02/20 16:41 Cadmium mg/L ND 0.0025 0.00012 09/01/20 19:19 Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.0050 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Arsenic	mg/L	ND	0.0050	0.00078	09/01/20 19:19	
Cadmium mg/L ND 0.0025 0.00012 09/01/20 19:19 Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.0050 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.0016 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Barium	mg/L	ND	0.010	0.00071	09/01/20 19:19	
Chromium mg/L ND 0.010 0.00055 09/01/20 19:19 Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.0050 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Beryllium	mg/L	ND	0.0030	0.000046	09/02/20 16:41	
Cobalt mg/L ND 0.0050 0.00038 09/01/20 19:19 Lead mg/L ND 0.0050 0.000036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Cadmium	mg/L	ND	0.0025	0.00012	09/01/20 19:19	
Lead mg/L ND 0.0050 0.00036 09/01/20 19:19 Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Chromium	mg/L	ND	0.010	0.00055	09/01/20 19:19	
Lithium mg/L ND 0.030 0.00081 09/01/20 19:19 Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Cobalt	mg/L	ND	0.0050	0.00038	09/01/20 19:19	
Molybdenum mg/L ND 0.010 0.00069 09/01/20 19:19 Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Lead	mg/L	ND	0.0050	0.000036	09/01/20 19:19	
Selenium mg/L ND 0.010 0.0016 09/01/20 19:19	Lithium	mg/L	ND	0.030	0.00081	09/01/20 19:19	
3	Molybdenum	mg/L	ND	0.010	0.00069	09/01/20 19:19	
The III	Selenium	mg/L	ND	0.010	0.0016	09/01/20 19:19	
Thaillum mg/L ND 0.0010 0.00014 09/01/20 19:19	Thallium	mg/L	ND	0.0010	0.00014	09/01/20 19:19	

LABORATORY CONTROL SAMPLE:	2988643					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	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	0.092	92	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.096	96	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Lithium	mg/L	0.1	0.092	92	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE & MATRIX SP	IKE DUPLI	CATE: 2988	644		2988645							
			MS	MSD								
	,	92492563004	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.095	100	95	75-125	5	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.093	99	92	75-125	7	20	
Barium	mg/L	0.056	0.1	0.1	0.15	0.15	93	90	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.091	0.089	91	89	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.



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

MATRIX SPIKE & MATRIX	SPIKE DUPL	LICATE: 2988	•		2988645							
		92492563004	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Cadmium	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	3	20	
Chromium	mg/L	0.00098J	0.1	0.1	0.098	0.10	97	100	75-125	3	20	
Cobalt	mg/L	0.00061J	0.1	0.1	0.097	0.098	97	97	75-125	1	20	
Lead	mg/L	0.00036J	0.1	0.1	0.094	0.095	94	95	75-125	1	20	
Lithium	mg/L	0.0028J	0.1	0.1	0.092	0.091	89	88	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.093	98	92	75-125	7	20	
Thallium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	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.



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

QC Batch: 563371 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92492821001, 92492821002, 92492821003, 92492821004, 92492821005, 92492821006, 92492821007,

92492821008, 92492821009, 92492821010, 92492821011, 92492821012, 92492821013, 92492821014,

92492821015, 92492821016, 92492821017, 92492821018

METHOD BLANK: 2987108 Matrix: Water

Associated Lab Samples: 92492821001, 92492821002, 92492821003, 92492821004, 92492821005, 92492821006, 92492821007,

92492821008, 92492821009, 92492821010, 92492821011, 92492821012, 92492821013, 92492821014,

92492821015, 92492821016, 92492821017, 92492821018

 Parameter
 Units
 Blank Reporting Result
 Reporting Limit
 MDL
 Analyzed
 Qualifiers

 Mercury
 mg/L
 ND
 0.00050
 0.000078
 09/01/20 10:32

LABORATORY CONTROL SAMPLE: 2987109

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Mercury mg/L 0.0025 0.0023 93 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2987110 2987111

MS MSD 92492821001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Mercury 0.00017J 0.0025 0.0025 0.0026 0.0025 95 75-125 20 mg/L 95

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.



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

QC Batch: 563041 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: 92492821001, 92492821002, 92492821003, 92492821004, 92492821005

METHOD BLANK: 2985598 Matrix: Water

Associated Lab Samples: 92492821001, 92492821002, 92492821003, 92492821004, 92492821005

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Fluoride mg/L ND 0.10 0.050 08/28/20 12:28

LABORATORY CONTROL SAMPLE: 2985599

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2985600 2985601

MSD MS 92492850001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result **RPD** RPD Result Conc. Conc. % Rec % Rec Limits Qual Fluoride mg/L 0.95 2.5 2.5 3.7 3.7 109 109 90-110 0 10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2985602 2985603

MS MSD 92492705011 MS MSD MS MSD % Rec Spike Spike Max RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual Fluoride 2.5 2.7 ND 2.5 2.8 108 109 10 mg/L 90-110

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.



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Fluoride

Date: 06/03/2021 11:58 AM

QC Batch: 563042 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

mg/L

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92492821006, 92492821007, 92492821008, 92492821009, 92492821010, 92492821011, 92492821012,

92492821013, 92492821014, 92492821015, 92492821016, 92492821017

METHOD BLANK: 2985604 Matrix: Water

Associated Lab Samples: 92492821006, 92492821007, 92492821008, 92492821009, 92492821010, 92492821011, 92492821012,

2.5

92492821013, 92492821014, 92492821015, 92492821016, 92492821017

Blank Reporting Parameter Limit MDL Qualifiers Units Result Analyzed Fluoride mg/L ND 0.10 0.050 08/28/20 19:55 LABORATORY CONTROL SAMPLE: 2985605 LCS LCS % Rec Spike Result Limits Parameter Units Conc. % Rec Qualifiers

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2985606 2985607 MSD MS 92492821006 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual Fluoride 0.062J 2.5 2.5 2.7 2.7 105 106 90-110 10 mg/L

2.7

107

90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2985608 2985609 MS MSD MSD MSD 92492821016 Spike Spike MS MS % Rec Max Parameter Conc. Conc. Result % Rec % Rec **RPD** RPD Units Result Result Limits Qual Fluoride 0.14 2.5 2.5 2.8 2.8 106 106 90-110 0 10 mg/L

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.



Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

QC Batch:

Fluoride

QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Method:

EPA 300.0 Rev 2.1 1993

Analysis Description: Laboratory:

300.0 IC Anions Pace Analytical Services - Asheville

Associated Lab Samples: 92492821018

563290

METHOD BLANK:

Date: 06/03/2021 11:58 AM

Matrix: Water

Associated Lab Samples: 92492821018

Blank Reporting

MDL Qualifiers Parameter Units Result Limit Analyzed

Fluoride ND 0.10 0.050 08/29/20 14:28 mg/L

LABORATORY CONTROL SAMPLE: 2986802

> Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units 2.5 2.6 105 90-110 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2986803 2986804

> MSD MS

92493054001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec **RPD** RPD Result % Rec Limits Qual Fluoride mg/L 0.14 2.5 2.5 2.8 2.8 105 106 90-110 10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2986805 2986806

MS MSD 92492705017 MS MSD MS MSD % Rec Spike Spike Max RPD RPD Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual Fluoride 2.5 0.15 2.5 2.8 2.8 105 107 10 mg/L 90-110

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.



QUALIFIERS

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 06/03/2021 11:58 AM

B Analyte was detected in the associated method blank.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92492821001	PZ-23A				
92492821002	DUP-02				
2492821003	PZ-15				
2492821004	PZ-16				
2492821005	PZ-17				
2492821006	PZ-19				
2492821007	PZ-33				
2492821008	PZ-14				
2492821009	PZ-7D				
2492821011	PZ-32				
2492821012	PZ-31				
2492821013	PZ-1D				
2492821015	PZ-2D + QC				
2492821015 2492821016	PZ-25 + QC				
2492821016 2492821017	DUP-01				
2492821017 2492821018	PZ-18 + QC				
2492821001	PZ-23A	EPA 3005A	563083	EPA 6020B	563099
2492821002	DUP-02	EPA 3005A	563083	EPA 6020B	563099
2492821003	PZ-15	EPA 3005A	563083	EPA 6020B	563099
2492821003	PZ-16	EPA 3005A	563083	EPA 6020B	563099
2492821005	PZ-17	EPA 3005A	563083	EPA 6020B	563099
2492821005 2492821006	PZ-17	EPA 3005A	563083	EPA 6020B	563099
2492821000 2492821007	PZ-19	EPA 3005A	563083		563099
	PZ-33 PZ-14			EPA 6020B	
2492821008	PZ-14 PZ-7D	EPA 3005A	563083	EPA 6020B	563099
2492821009		EPA 3005A	563083	EPA 6020B	563099
2492821010	EB-01	EPA 3005A	563083	EPA 6020B	563099
2492821011	PZ-32	EPA 3005A	563083	EPA 6020B	563099
2492821012	PZ-31	EPA 3005A	563083	EPA 6020B	563099
2492821013	PZ-1D	EPA 3005A	563083	EPA 6020B	563099
2492821014	FB-01	EPA 3005A	563083	EPA 6020B	563099
2492821015	PZ-2D + QC	EPA 3005A	563083	EPA 6020B	563099
2492821016	PZ-25	EPA 3005A	563083	EPA 6020B	563099
2492821017	DUP-01	EPA 3005A	563083	EPA 6020B	563099
2492821018	PZ-18 + QC	EPA 3005A	563747	EPA 6020B	563831
2492821001	PZ-23A	EPA 7470A	563371	EPA 7470A	563653
2492821002	DUP-02	EPA 7470A	563371	EPA 7470A	563653
2492821003	PZ-15	EPA 7470A	563371	EPA 7470A	563653
2492821004	PZ-16	EPA 7470A	563371	EPA 7470A	563653
2492821005	PZ-17	EPA 7470A	563371	EPA 7470A	563653
2492821006	PZ-19	EPA 7470A	563371	EPA 7470A	563653
2492821007	PZ-33	EPA 7470A	563371	EPA 7470A	563653
2492821008	PZ-14	EPA 7470A	563371	EPA 7470A	563653
2492821009	PZ-7D	EPA 7470A	563371	EPA 7470A	563653
2492821010	EB-01	EPA 7470A	563371	EPA 7470A	563653
2492821011	PZ-32	EPA 7470A	563371	EPA 7470A	563653
2492821012	PZ-31	EPA 7470A	563371	EPA 7470A	563653
2492821013	PZ-1D	EPA 7470A	563371	EPA 7470A	563653



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL APP IV SCAN

Pace Project No.: 92492821

Date: 06/03/2021 11:58 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92492821014	FB-01	EPA 7470A	563371	EPA 7470A	563653
92492821015	PZ-2D + QC	EPA 7470A	563371	EPA 7470A	563653
92492821016	PZ-25	EPA 7470A	563371	EPA 7470A	563653
92492821017	DUP-01	EPA 7470A	563371	EPA 7470A	563653
92492821018	PZ-18 + QC	EPA 7470A	563371	EPA 7470A	563653
92492821001	PZ-23A	EPA 300.0 Rev 2.1 1993	563041		
92492821002	DUP-02	EPA 300.0 Rev 2.1 1993	563041		
92492821003	PZ-15	EPA 300.0 Rev 2.1 1993	563041		
92492821004	PZ-16	EPA 300.0 Rev 2.1 1993	563041		
92492821005	PZ-17	EPA 300.0 Rev 2.1 1993	563041		
92492821006	PZ-19	EPA 300.0 Rev 2.1 1993	563042		
92492821007	PZ-33	EPA 300.0 Rev 2.1 1993	563042		
92492821008	PZ-14	EPA 300.0 Rev 2.1 1993	563042		
92492821009	PZ-7D	EPA 300.0 Rev 2.1 1993	563042		
92492821010	EB-01	EPA 300.0 Rev 2.1 1993	563042		
92492821011	PZ-32	EPA 300.0 Rev 2.1 1993	563042		
92492821012	PZ-31	EPA 300.0 Rev 2.1 1993	563042		
92492821013	PZ-1D	EPA 300.0 Rev 2.1 1993	563042		
92492821014	FB-01	EPA 300.0 Rev 2.1 1993	563042		
92492821015	PZ-2D + QC	EPA 300.0 Rev 2.1 1993	563042		
92492821016	PZ-25	EPA 300.0 Rev 2.1 1993	563042		
92492821017	DUP-01	EPA 300.0 Rev 2.1 1993	563042		
92492821018	PZ-18 + QC	EPA 300.0 Rev 2.1 1993	563290		

9	mbre conditio	n Upon Rec	WO#∶92492	2821
Face Analytical Client Name	e: GAY	Dower !		
		27		
Courler: Fed Ex UPS USPS Clie	ent Commercial	Pace Oth.	92492821	
Tracking #: 811 53444915 / 8	8/219394)	4890/812	1934492 Proj. Due Di	ate:
Custody Seal on Cooler/Box Present: 49es	no Seal	s intact: ye		
Packing Material: Bubble Wrap Bubbl	e Bags DoNone	☐ Other	8/219394490	1
Thermometer Used 214	Type of Ice: Ne	Blue None	Samples on ice, cooling	process has begun
Cooler Temperature 4/1/5/8/3, 3/2	5 Biological Tissue	e is Frozen: Yes	No Date and Initials of contents:	person examining
Temp should be above freezing to 6°C		Comments:	Contents.	420104
Chain of Custody Present:	☐Yes ☐No ☐NIA	1.		
Chain of Custody Filled Out:	PYES ONO ONIA	2.		
Chain of Custody Relinquished:	Dres ONO ONA	3.		
Sampler Name & Signature on COC:	Des ONO ONA	4.		
Samples Arrived within Hold Time:	Elves ONo ON/A	5.		
Short Hold Time Analysis (<72hr):	□Yes €No □N/A	6.		
Rush Turn Around Time Requested:	DYes DAG DNIA	7.		
Sufficient Volume:	EYES ONO ON/A	8.		
Correct Containers Used:	Tes ONO ON/A	9.		
-Pace Containers Used:	Dyes DNO DNIA			
Containers Intact:	Dyes DNO DN/A	10.		
Filtered volume received for Dissolved tests	☐Yes ☐No ☐MA	111.		
Sample Labels match COC:	EVES ONO ONIA	12.		
-Includes date/time/ID/Analysis Matrix:	11/			
All containers needing preservation have been checked.	ØYes ONO ON/A	13.		
All containers needing preservation are found to be in	Yes DNo DN/A			
compliance with EPA recommendation.	PITES LING LINA			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	□Yes QNo	Initial when completed	Lot # of added preservative	
Samples checked for dechlorination:	□Yes □No ☑NA	14.		
Headspace in VOA Vials (>6mm):	□Yes □No □NIA	15.		
Trip Blank Present:	□Yes □No □N/A	16.		78 11-1
Frip Blank Custody Seals Present	Yes ONO MIA			
Pace Trip Blank Lot # (if purchased):				
Client Notification/ Resolution:	0.4	Time	Field Data Required?	Y / N
Person Contacted:	Date/	rinte:		
Comments/ Resolution;				
	ja		Posts :	
Project Manager Review:			Date:	

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

Pace Analytical

Document Name: Bottle Identification Form (BIF)

Document No.: F-CAR-CS-043-Rev.00 Page 1 of 1
Issuing Authority:

Project#

WO#: 92492821

PM: KLH1

Due Date: 09/11/20

CLIENT: GA-GA Power

*Checkernark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation

emitples.

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

West	Heme	BP4U-125 mL Plastic Unpreserved (M/N) IU-1	6P3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H2504 (pH < 2) (CI-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP42-125 mL Plastic ZN Acetate & NaOH (>9)	8P4C-125 mt Plastic NaOH (pH > 12) (G-)	WGFL-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (G-)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber : Unpreserved (N/A) (CI-)	AG15-1 liter Amber H2504 (pH < 2)	. AG35-250 mL Amber H2504 (pH < 2)	AGSA(DG3A)-250 mL Amber NH4CI (N/A)(CI-)	DG9H-40 mL VOA HCI (N/A)	VG9T-40 mL VOA NA25203 (N/A)	VG9U-40 mt VOA Unp (N/A)	DG9P-40, mL VOA H3PO4 (N/A)	VOAK (6 vials per hit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	cpsT-125 mL Sterile Plastic (N/A - lab)	cept-250 mL Sterile Plachic (N/A - lab)	1 APIN	BP3A-250 mL Plastic (NH2)2504 (9.3-9.7)	AGOU-100 mL Amber Unpreserved Wals Inves
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			justment Log for Pres	Time preservation	Amount of Preservative	1
ample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	adjusted	added	+
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		-				+
- 4			lina compliance samples, a copy o	:		1

Note: Whenever there is a discrepancy affecting North Carolina compliant of hold, incorrect preservative, out of temp, incorrect containers.

ace Analytical .

Document Name: Bottle Identification Form (BIF)

Document No.:

F-CAR-CS-043-Rev.00

Document Issued: March 14, 2019 Page 1 of 1

Issuing Authority: Pace Carolinas Quality Office

*Checomark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation

semples.

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

- Bottom half of box is to list number of bottle

Project #

Due Date: 09/11/20

CLIENT: GA-GA Power

	Remain that Ingreserved (N/A) (G-)	BP40-125 mt Plester, Circ	BP3U-250 mL Plastic Unpreserved (1975)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H25O4 (pH < 2) (G-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP42-125 mL Plastk ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (G-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (G-)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Ci-)	AG15-1 liter Amber H2504 (pH < 2)	. AG35-250 mL Amber H2504 (pH < 2)	AGSA(DG3A)-250 mt Amber NH4CI (N/A)(CI-)	DG9H-40 mL VOA HCI (N/A)	VG9T-40 mL VOA Na25203 (N/A)	VG9U-40 mt VOA Unp (N/A)	0639-40 mt VOA H3PO4 (N/A)	WANK (6 vials per litt)-5035 Eit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	spsT-125 mL Sterile Plastic (N/A - lab)	SP27-250 mL Sterile Plastic (N/A - lab)	Z	11	AGOU-100 mL Amber Unpreserved views
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pH Adjustment Log for Preserved Samples Amount of Preservative Time preservation Date preservation adjusted pH upon receipt added Type of Preservative adjusted Sample ID Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification (

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.

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quired Client information: monda.quinn@amec.com (770H21-3516 Fax ssicd Due Date: Standard any: Georgia Power ss: 1075 Big Shanty Road ssaw, GA 30144 SAMPLE ID One Character per box. (A-Z, 0-9 / .-Sample ids must be unique PZ-19 PZ-33 PZ-14 ADDITIONAL COMMENTS 87-7D Purchase Order #: Project Name: Required Project Information: Report To: Rhonda Quinn Copy To: MOUNTEEN ! AB GENRINDMITED AMP ONE DAMP 0000 0000 MATRIX CODE (see valid codes to left) SAMPLETYPE (G-GRAB C+COMP) Howa S/ Ward Milchell App IV Scan START SAMPLER NAME AND SIGNATURE COLLECTED SIGNATURE OF SAMPLER CALL PRINT Name of SAMPLER: 8/4/4/1535 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately. SNO 3/26/20 1535 14104 10204 DATE I 7 SAMPLE TEMP AT COLLECTION Altention: Altention: Company Name Address: Pace Quote Pace Project Manager: Pace Project Manager: # OF CONTAINERS 1800 K ania Unpreserved H2SO4 WWW ноз Preservatives HCI 10834 town & Howard NaOH ACCEPTED BY / AFFELATION Na25203 kevin.herring@pacelabs.com Metrianni Other which . Analyses Test Y/N XXX X X X XXX 309.0 - F DATE Signed: 8)26 App IV Metals RAD 9315/9320 OMTE 120 TXTEN O Page: TEMP In C Regulatory Agency Residual Chlorine (Y/N) 85.9=Ho Received on BAMPLE CONDITIONS 87.9:40 PH=7,01 12927423 (Y/N) Custody Sealed D Q (Y/N) Samples IntactC (YIN)

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed

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foreignal's Of	herD OTC	MATRIX CODE SAMPLE TYPE	DATE 1	TIME DATE	TIME	SAMPLE TEN	# OF CONTAIN	H2SO4	HN03	HCI Na OH Na OH	Na2S2O3	Methanol	Other	Analyses	300.0 F	App to metals	KAU 9319/9320							Residual Chlorine (Y/N)			
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July 19, 2021

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

RE: Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between August 27, 2020 and August 28, 2020. 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,

Kevin Herring

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1(704)875-9092

HORIZON Database Administrator

Enclosures

cc: Joju Abraham, Georgia Power-CCR Kristen Jurinko Ms. Lauren Petty, Southern Company Rhonda Quinn, WOOD E&I Greg Wrenn, WOOD E&I





CERTIFICATIONS

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

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

Texas/TNI Certification #: T104704188-17-3

South Dakota Certification
Tennessee Certification #: 02867

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 #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad Wyoming Certification #: 8TMS-L



SAMPLE SUMMARY

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92492815001	PZ-23A	Water	08/26/20 10:10	08/27/20 09:47
92492815002	DUP-02	Water	08/26/20 00:00	08/27/20 09:47
92492815003	PZ-15	Water	08/26/20 12:25	08/27/20 09:47
92492815004	PZ-16	Water	08/26/20 14:10	08/27/20 09:47
92492815005	PZ-17	Water	08/26/20 15:45	08/27/20 09:47
92492815006	PZ-19	Water	08/26/20 15:35	08/27/20 09:47
92492815007	PZ-33	Water	08/26/20 10:20	08/27/20 09:47
92492815008	PZ-14	Water	08/26/20 14:10	08/27/20 09:47
92492815009	PZ-7D	Water	08/26/20 15:35	08/27/20 09:47
92492815010	EB-01	Water	08/25/20 14:45	08/27/20 09:47
92492815011	PZ-32	Water	08/25/20 14:55	08/27/20 09:47
92492815012	PZ-31	Water	08/25/20 16:15	08/27/20 09:47
92492815013	PZ-1D	Water	08/25/20 16:05	08/27/20 09:47
92492815014	FB-01	Water	08/26/20 08:40	08/27/20 09:47
92492815015	PZ-2D + QC	Water	08/26/20 10:52	08/27/20 09:47
92492815016	PZ-25	Water	08/26/20 13:50	08/27/20 09:47
92492815017	DUP-01	Water	08/26/20 00:00	08/27/20 09:47
92492815018	PZ-18 + QC	Water	08/27/20 10:05	08/28/20 11:08



SAMPLE ANALYTE COUNT

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92492815001	PZ-23A	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815002	DUP-02	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815003	PZ-15	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815004	PZ-16	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815005	PZ-17	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815006	PZ-19	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815007	PZ-33	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815008	PZ-14	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815009	PZ-7D	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815010	EB-01	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815011	PZ-32	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815012	PZ-31	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
	PZ-1D	EPA 9315	LAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815014	FB-01	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815015	PZ-2D + QC	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815016	PZ-25	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815017	DUP-01	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92492815018	PZ-18 + QC	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
	<u> </u>		0			
92492815001	PZ-23A	0.005	O: "		00/40/05 57 55	
EPA 9315	Radium-226	0.365 ± 0.257	pCi/L		09/10/20 07:38	
		(0.392)				
		C:83% T:NA				
EPA 9320	Radium-228	0.409 ± 0.387	pCi/L		09/11/20 14:48	
		(0.789)				
		C:71%				
Total Dadison Oaksdada	Takal Dayling	T:80%	O: /I		00/44/00 44 00	
Total Radium Calculation	Total Radium	0.774 ± 0.644	pCi/L		09/14/20 14:03	
		(1.18)				
92492815002	DUP-02					
EPA 9315	Radium-226	0.214 ±	pCi/L		09/10/20 07:38	
		0.222				
		(0.423)				
EPA 9320	Radium-228	C:83% T:NA 0.338 ±	pCi/L		09/11/20 14:48	
LI A 9520	Naululli-220	0.350	po/L		09/11/20 14.40	
		(0.722)				
		C:71%				
Total Radium Calculation	Total Radium	T:86% 0.552 ±	pCi/L		09/14/20 14:03	
Total Naulum Calculation	Total Nadidili	0.572	po/L		09/14/20 14:03	
		(1.15)				
92492815003	PZ-15					
EPA 9315	Radium-226	0.161 ±	pCi/L		09/10/20 07:38	
		0.250				
		(0.554) C:91% T:NA				
EPA 9320	Radium-228	0.520 ±	pCi/L		09/11/20 14:49	
		0.384				
		(0.740)				
		C:69% T:85%				
Total Radium Calculation	Total Radium	0.681 ±	pCi/L		09/14/20 14:03	
		0.634	•			
		(1.29)				
92492815004	PZ-16					
EPA 9315	Radium-226	0.0680 ±	pCi/L		09/10/20 07:38	
		0.181 (0.439)				
		C:88% T:NA				
EPA 9320	Radium-228	0.431 ±	pCi/L		09/11/20 14:49	
		0.407				
		(0.834) C:74%				
		T:82%				
Total Radium Calculation	Total Radium	0.499 ±	pCi/L		09/14/20 14:03	
		0.588				
		(1.27)				

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92492815005	— ————————————————————————————————————			<u> </u>		
EPA 9315	Radium-226	0.411 ± 0.274	pCi/L		09/10/20 07:38	
EPA 9320	Radium-228	(0.410) C:82% T:NA 1.21 ± 0.537 (0.885) C:72%	pCi/L		09/11/20 14:49	
Total Radium Calculation	Total Radium	T:77% 1.62 ± 0.811 (1.30)	pCi/L		09/14/20 14:03	
92492815006	PZ-19					
EPA 9315	Radium-226	0.324 ± 0.236 (0.365) C:87% T:NA	pCi/L		09/10/20 07:38	
EPA 9320	Radium-228	0.379 ± 0.409 (0.854) C:70%	pCi/L		09/11/20 14:49	
Total Radium Calculation	Total Radium	T:88% 0.703 ± 0.645 (1.22)	pCi/L		09/14/20 14:03	
92492815007	PZ-33					
EPA 9315	Radium-226	0.400 ± 0.285 (0.445) C:81% T:NA	pCi/L		09/10/20 07:32	
EPA 9320	Radium-228	0.382 ± 0.411 (0.856) C:69% T:80%	pCi/L		09/11/20 14:49	
Total Radium Calculation	Total Radium	0.782 ± 0.696 (1.30)	pCi/L		09/14/20 14:18	
92492815008	PZ-14					
EPA 9315	Radium-226	0.0725 ± 0.261 (0.641) C:83% T:NA	pCi/L		09/10/20 07:32	
EPA 9320	Radium-228	0.0427 ± 0.363 (0.835) C:69% T:91%	pCi/L		09/11/20 14:49	
Total Radium Calculation	Total Radium	0.115 ± 0.624 (1.48)	pCi/L		09/14/20 14:18	

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers		
92492815009	PZ-7D							
EPA 9315	Radium-226	0.200 ± 0.221 (0.432)	pCi/L		09/10/20 07:32			
EPA 9320	Radium-228	(0.432) C:88% T:NA 0.372 ± 0.394 (0.817)	pCi/L		09/11/20 14:49			
Total Radium Calculation	Total Radium	C:72% T:80% 0.572 ± 0.615 (1.25)	pCi/L		09/14/20 14:18			
92492815010	EB-01							
EPA 9315	Radium-226	0.191 ± 0.241 (0.505) C:91% T:NA	pCi/L		09/10/20 07:32			
EPA 9320	Radium-228	0.495 ± 0.443 (0.899) C:72%	pCi/L		09/11/20 11:49			
Total Radium Calculation	Total Radium	T:74% 0.686 ± 0.684 (1.40)	pCi/L		09/14/20 14:18			
92492815011	PZ-32							
EPA 9315	Radium-226	0.0922 ± 0.224 (0.533)	pCi/L		09/10/20 07:32			
EPA 9320	Radium-228	C:92% T:NA 0.248 ± 0.367 (0.791) C:74%	pCi/L		09/11/20 11:49			
Total Radium Calculation	Total Radium	T:85% 0.340 ± 0.591 (1.32)	pCi/L		09/14/20 14:18			
92492815012	PZ-31							
EPA 9315	Radium-226	0.0240 ± 0.142 (0.383) C:92% T:NA	pCi/L		09/10/20 07:32			
EPA 9320	Radium-228	0.381 ± 0.378 (0.780) C:74% T:85%	pCi/L		09/11/20 11:49			
Total Radium Calculation	Total Radium	0.405 ± 0.520 (1.16)	pCi/L		09/14/20 14:18			

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2492815013	PZ-1D					
EPA 9315	Radium-226	0.384 ± 0.294 (0.526)	pCi/L		09/10/20 07:33	
EPA 9320	Radium-228	C:92% T:NA 0.393 ± 0.391 (0.805) C:77%	pCi/L		09/11/20 11:50	
otal Radium Calculation	Total Radium	T:81% 0.777 ± 0.685 (1.33)	pCi/L		09/14/20 14:18	
2492815014	FB-01					
EPA 9315	Radium-226	0.235 ± 0.231 (0.440) C:92% T:NA	pCi/L		09/10/20 07:33	
EPA 9320	Radium-228	0.381 ± 0.433 (0.910) C:72%	pCi/L		09/11/20 11:50	
Fotal Radium Calculation	Total Radium	T:78% 0.616 ± 0.664 (1.35)	pCi/L		09/14/20 14:18	
2492815015	PZ-2D + QC	,				
EPA 9315	Radium-226	0.244 ± 0.227 (0.409) C:88% T:NA	pCi/L		09/10/20 07:33	
EPA 9320	Radium-228	0.361 ± 0.361 (0.745) C:74% T:82%	pCi/L		09/11/20 11:49	
Total Radium Calculation	Total Radium	0.605 ± 0.588 (1.15)	pCi/L		09/14/20 14:18	
2492815016	PZ-25					
EPA 9315	Radium-226	0.412 ± 0.325 (0.580)	pCi/L		09/10/20 07:34	
EPA 9320	Radium-228	C:81% T:NA 0.538 ± 0.440 (0.884) C:72% T:81%	pCi/L		09/11/20 11:50	
Total Radium Calculation	Total Radium	0.950 ± 0.765 (1.46)	pCi/L		09/14/20 14:18	

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92492815017	DUP-01					
EPA 9315	Radium-226	0.490 ± 0.285 (0.386) C:91% T:NA	pCi/L		09/10/20 07:34	
EPA 9320	Radium-228	0.636 ± 0.437 (0.844) C:70% T:82%	pCi/L		09/11/20 11:50	
Total Radium Calculation	Total Radium	1.13 ± 0.722 (1.23)	pCi/L		09/14/20 14:18	
92492815018	PZ-18 + QC					
EPA 9315	Radium-226	0.00989 ± 0.0860 (0.182) C:91% T:NA	pCi/L		09/10/20 18:19	
EPA 9320	Radium-228	0.0840 ± 0.502 (1.14) C:58% T:85%	pCi/L		09/15/20 15:03	
Total Radium Calculation	Total Radium	0.0939 ± 0.588 (1.32)	pCi/L		09/16/20 10:12	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-23A PWS:	Lab ID: 92492815 Site ID:	Collected: 08/26/20 10:10 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Serv	vices - Greensburg				
Radium-226	EPA 9315	0.365 ± 0.257 (0.392) C:83% T:NA	pCi/L	09/10/20 07:38	3 13982-63-3	
	Pace Analytical Serv	vices - Greensburg				
Radium-228	EPA 9320	0.409 ± 0.387 (0.789) C:71% T:80%	pCi/L	09/11/20 14:48	3 15262-20-1	
	Pace Analytical Serv	vices - Greensburg				
Total Radium	Total Radium Calculation	0.774 ± 0.644 (1.18)	pCi/L	09/14/20 14:03	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: DUP-02 PWS:	Lab ID: 9249 Site ID:	2815002 Collected: 08/26/20 00:00 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.214 ± 0.222 (0.423) C:83% T:NA	pCi/L	09/10/20 07:38	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.338 ± 0.350 (0.722) C:71% T:86%	pCi/L	09/11/20 14:48	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.552 ± 0.572 (1.15)	pCi/L	09/14/20 14:03	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-15 PWS:	Lab ID: 9249 Site ID:	2815003 Collected: 08/26/20 12:25 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.161 ± 0.250 (0.554) C:91% T:NA	pCi/L	09/10/20 07:38	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.520 ± 0.384 (0.740) C:69% T:85%	pCi/L	09/11/20 14:49	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.681 ± 0.634 (1.29)	pCi/L	09/14/20 14:03	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-16 PWS:	Lab ID: 9249281 Site ID:	5004 Collected: 08/26/20 14:10 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Ser	rvices - Greensburg				
Radium-226	EPA 9315	0.0680 ± 0.181 (0.439) C:88% T:NA	pCi/L	09/10/20 07:38	8 13982-63-3	
	Pace Analytical Ser	rvices - Greensburg				
Radium-228	EPA 9320	0.431 ± 0.407 (0.834) C:74% T:82%	pCi/L	09/11/20 14:49	9 15262-20-1	
	Pace Analytical Ser	rvices - Greensburg				
Total Radium	Total Radium Calculation	0.499 ± 0.588 (1.27)	pCi/L	09/14/20 14:03	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-17 PWS:	Lab ID: 9249 Site ID:	2815005 Collected: 08/26/20 15:4 Sample Type:	5 Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg	_			
Radium-226	EPA 9315	0.411 ± 0.274 (0.410) C:82% T:NA	pCi/L	09/10/20 07:38	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	1.21 ± 0.537 (0.885) C:72% T:77%	pCi/L	09/11/20 14:49	9 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.62 ± 0.811 (1.30)	pCi/L	09/14/20 14:03	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-19 PWS:	Lab ID: 9249 2 Site ID:	2815006 Collected: 08/26/20 15:35 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.324 ± 0.236 (0.365) C:87% T:NA	pCi/L	09/10/20 07:38	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.379 ± 0.409 (0.854) C:70% T:88%	pCi/L	09/11/20 14:49	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.703 ± 0.645 (1.22)	pCi/L	09/14/20 14:03	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-33 PWS:	Lab ID: 9249 Site ID:	2815007 Collected: 08/26/20 10:20 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.400 ± 0.285 (0.445) C:81% T:NA	pCi/L	09/10/20 07:32	2 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.382 ± 0.411 (0.856) C:69% T:80%	pCi/L	09/11/20 14:49	9 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.782 ± 0.696 (1.30)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-14 PWS:	Lab ID: 9249 Site ID:	2815008 Collected: 08/26/20 14:10 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0725 ± 0.261 (0.641) C:83% T:NA	pCi/L	09/10/20 07:32	2 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.0427 ± 0.363 (0.835) C:69% T:91%	pCi/L	09/11/20 14:49	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.115 ± 0.624 (1.48)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-7D PWS:	Lab ID: 9249281 Site ID:	5009 Collected: 08/26/20 15:35 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Ser	rvices - Greensburg				
Radium-226	EPA 9315	0.200 ± 0.221 (0.432) C:88% T:NA	pCi/L	09/10/20 07:32	2 13982-63-3	
	Pace Analytical Ser	rvices - Greensburg				
Radium-228	EPA 9320	0.372 ± 0.394 (0.817) C:72% T:80%	pCi/L	09/11/20 14:49	15262-20-1	
	Pace Analytical Ser	rvices - Greensburg				
Total Radium	Total Radium Calculation	0.572 ± 0.615 (1.25)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: EB-01 PWS:	Lab ID: 9249 Site ID:	D2815010 Collected: 08/25/20 14:45 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.191 ± 0.241 (0.505) C:91% T:NA	pCi/L	09/10/20 07:32	2 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.495 ± 0.443 (0.899) C:72% T:74%	pCi/L	09/11/20 11:49	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.686 ± 0.684 (1.40)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-32 PWS:	Lab ID: 9249 Site ID:	2815011 Collected: 08/25/20 14:55 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0922 ± 0.224 (0.533) C:92% T:NA	pCi/L	09/10/20 07:32	2 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.248 ± 0.367 (0.791) C:74% T:85%	pCi/L	09/11/20 11:49	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.340 ± 0.591 (1.32)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-31 PWS:	Lab ID: 9249 Site ID:	2815012 Collected: 08/25/20 16:15 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0240 ± 0.142 (0.383) C:92% T:NA	pCi/L	09/10/20 07:32	2 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.381 ± 0.378 (0.780) C:74% T:85%	pCi/L	09/11/20 11:49	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.405 ± 0.520 (1.16)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-1D PWS:	Lab ID: 9249 Site ID:	2815013 Collected: 08/25/20 16:05 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.384 ± 0.294 (0.526) C:92% T:NA	pCi/L	09/10/20 07:33	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.393 ± 0.391 (0.805) C:77% T:81%	pCi/L	09/11/20 11:50	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.777 ± 0.685 (1.33)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: FB-01 PWS:	Lab ID: 92492 6 Site ID:	815014 Collected: 08/26/20 08:40 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical S	ervices - Greensburg				
Radium-226	EPA 9315	0.235 ± 0.231 (0.440) C:92% T:NA	pCi/L	09/10/20 07:33	3 13982-63-3	
	Pace Analytical S	ervices - Greensburg				
Radium-228	EPA 9320	0.381 ± 0.433 (0.910) C:72% T:78%	pCi/L	09/11/20 11:50	15262-20-1	
	Pace Analytical S	ervices - Greensburg				
Total Radium	Total Radium Calculation	0.616 ± 0.664 (1.35)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-2D + QC PWS:	Lab ID: 9249281 Site ID:	5015 Collected: 08/26/20 10:52 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Ser	vices - Greensburg				
Radium-226	EPA 9315	0.244 ± 0.227 (0.409) C:88% T:NA	pCi/L	09/10/20 07:33	3 13982-63-3	
	Pace Analytical Ser	vices - Greensburg				
Radium-228	EPA 9320	0.361 ± 0.361 (0.745) C:74% T:82%	pCi/L	09/11/20 11:49	15262-20-1	
	Pace Analytical Ser	vices - Greensburg				
Total Radium	Total Radium Calculation	0.605 ± 0.588 (1.15)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-25 PWS:	Lab ID: 9249 Site ID:	2815016 Collected: 08/26/20 13:50 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.412 ± 0.325 (0.580) C:81% T:NA	pCi/L	09/10/20 07:34	4 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.538 ± 0.440 (0.884) C:72% T:81%	pCi/L	09/11/20 11:50	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	$0.950 \pm 0.765 (1.46)$	pCi/L	09/14/20 14:18	8 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: DUP-01 PWS:	Lab ID: 9249 : Site ID:	2815017 Collected: 08/26/20 00:00 Sample Type:	Received:	08/27/20 09:47	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.490 ± 0.285 (0.386) C:91% T:NA	pCi/L	09/10/20 07:34	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.636 ± 0.437 (0.844) C:70% T:82%	pCi/L	09/11/20 11:50	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.13 ± 0.722 (1.23)	pCi/L	09/14/20 14:18	3 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Sample: PZ-18 + QC PWS:	Lab ID: 9249 Site ID:	2815018 Collected: 08/27/20 10:05 Sample Type:	Received:	08/28/20 11:08	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.00989 ± 0.0860 (0.182) C:91% T:NA	pCi/L	09/10/20 18:19	9 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.0840 ± 0.502 (1.14) C:58% T:85%	pCi/L	09/15/20 15:03	3 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.0939 ± 0.588 (1.32)	pCi/L	09/16/20 10:12	2 7440-14-4	



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

QC Batch: 412345 Analysis Method: EPA 9320

QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92492815018

METHOD BLANK: 1994499 Matrix: Water

Associated Lab Samples: 92492815018

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.357 ± 0.355 (0.727) C:71% T:84%
 pCi/L
 09/15/20 15:02

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.



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

QC Batch: 412352

QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

EPA 9315

Associated Lab Samples: 92492815018

METHOD BLANK: 1994514 Matrix: Water

Associated Lab Samples: 92492815018

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.206 ± 0.102 (0.149) C:95% T:NA
 pCi/L
 09/10/20 19:37

Analysis Method:

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.



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

QC Batch: 412340 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92492815001, 92492815002, 92492815003, 92492815004, 92492815005, 92492815006, 92492815007,

92492815008, 92492815009, 92492815010, 92492815011, 92492815012, 92492815013, 92492815014,

92492815015, 92492815016, 92492815017

METHOD BLANK: 1994497 Matrix: Water

Associated Lab Samples: 92492815001, 92492815002, 92492815003, 92492815004, 92492815005, 92492815006, 92492815007,

92492815008, 92492815009, 92492815010, 92492815011, 92492815012, 92492815013, 92492815014,

92492815015, 92492815016, 92492815017

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.722 ± 0.388 (0.683) C:77% T:80%
 pCi/L
 09/11/20 11:49

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.



Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

QC Batch: 412349 Analysis Method: EPA 9315

QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92492815001, 92492815002, 92492815003, 92492815004, 92492815005, 92492815006, 92492815007,

92492815008, 92492815009, 92492815010, 92492815011, 92492815012, 92492815013, 92492815014,

92492815015, 92492815016, 92492815017

METHOD BLANK: 1994508 Matrix: Water

Associated Lab Samples: 92492815001, 92492815002, 92492815003, 92492815004, 92492815005, 92492815006, 92492815007,

92492815008, 92492815009, 92492815010, 92492815011, 92492815012, 92492815013, 92492815014,

92492815015, 92492815016, 92492815017

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.124 ± 0.171 (0.355) C:94% T:NA
 pCi/L
 09/10/20 07:38

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.



QUALIFIERS

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

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.

Act - Activity

Date: 07/19/2021 03:49 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Date: 07/19/2021 03:49 PM

_ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92492815001	PZ-23A	EPA 9315	412349	_	
2492815002	DUP-02	EPA 9315	412349		
2492815003	PZ-15	EPA 9315	412349		
2492815004	PZ-16	EPA 9315	412349		
2492815005	PZ-17	EPA 9315	412349		
2492815006	PZ-19	EPA 9315	412349		
2492815007	PZ-33	EPA 9315	412349		
2492815008	PZ-14	EPA 9315	412349		
2492815009	PZ-7D	EPA 9315	412349		
2492815010	EB-01	EPA 9315	412349		
2492815011	PZ-32	EPA 9315	412349		
2492815012	PZ-31	EPA 9315	412349		
2492815013	PZ-1D	EPA 9315	412349		
2492815014	FB-01	EPA 9315	412349		
2492815015	PZ-2D + QC	EPA 9315	412349		
2492815016	PZ-25	EPA 9315	412349		
2492815017	DUP-01	EPA 9315	412349		
2492815018	PZ-18 + QC	EPA 9315	412352		
2492815001	PZ-23A	EPA 9320	412340		
2492815002	DUP-02	EPA 9320	412340		
2492815003	PZ-15	EPA 9320	412340		
2492815004	PZ-16	EPA 9320	412340		
2492815005	PZ-17	EPA 9320	412340		
2492815006	PZ-19	EPA 9320	412340		
2492815007	PZ-33	EPA 9320	412340		
2492815008	PZ-14	EPA 9320	412340		
2492815009	PZ-7D	EPA 9320	412340		
2492815010	EB-01	EPA 9320	412340		
2492815011	PZ-32	EPA 9320	412340		
2492815012	PZ-31	EPA 9320	412340		
2492815013	PZ-1D	EPA 9320	412340		
2492815014	FB-01	EPA 9320	412340		
2492815015	PZ-2D + QC	EPA 9320	412340		
2492815016	PZ-25	EPA 9320	412340		
2492815017	DUP-01	EPA 9320	412340		
2492815018	PZ-18 + QC	EPA 9320	412345		
2492815001	PZ-23A	Total Radium Calculation	413734		
2492815002	DUP-02	Total Radium Calculation	413734		
2492815003	PZ-15	Total Radium Calculation	413734		
2492815004	PZ-16	Total Radium Calculation	413734		
2492815005	PZ-17	Total Radium Calculation	413734		
2492815006	PZ-19	Total Radium Calculation	413734		
2492815007	PZ-33	Total Radium Calculation	413735		
2492815008	PZ-14	Total Radium Calculation	413735		
2492815009	PZ-7D	Total Radium Calculation	413735		
2492815010	EB-01	Total Radium Calculation	413735		



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL APP IV SCAN RADS

Pace Project No.: 92492815

Date: 07/19/2021 03:49 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92492815011	PZ-32	Total Radium Calculation	413735		
92492815012	PZ-31	Total Radium Calculation	413735		
92492815013	PZ-1D	Total Radium Calculation	413735		
92492815014	FB-01	Total Radium Calculation	413735		
92492815015	PZ-2D + QC	Total Radium Calculation	413735		
92492815016	PZ-25	Total Radium Calculation	413735		
92492815017	DUP-01	Total Radium Calculation	413735		
92492815018	PZ-18 + QC	Total Radium Calculation	414090		

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Syes no no no no no no no n	Seals intact: one Other	8/24934 □ yes □	12193944709	·. -
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Bubble Bags Dorice:	one Othe	er	12193944109	1
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Dres DNo	□N/A 3.			
Dres □No	□N/A 4.			
Elyes DNo	□N/A 5.			
□Yes €No	□N/A 6.			
□Yes □No	□N/A 7.			
EYES ONO	□N/A 8.			
es ONo	□N/A 9.			
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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Project Manager Review:

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Document Name: Bottle Identification Form (BIF)

Document No.: F-CAR-CS-043-Rev.00 Document Issued: March 14, 2019 Page 1 of 1

Issuing Authority: Pace Carolinas Quality Office

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

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

PM: KLH1

Project #

Due Date: 09/11/20

CLIENT: GA-GA Power

		Items	apqu-125 mt Plastic Unpreserved (1979)	BP3U-250 mL Plastic Unpreserved (M/A)	BPZU-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H25O4 (pH < 2) (G-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP42-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (G-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (G-)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (U1)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 mL Amber NH4CI (N/A)(CI-)	AGENTAL YOAHG (N/A)	VG9T-40 mL VOA Na25203 (N/A)	VGSU-40 mt VOA Unp (N/A)	DG9P-40.mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mt Sterile Plastic (N/A - lab)	200 John Plastic (NH2)2504 (9.3-9.7)	AGOU-100 mL Amber Unpreserved vials (N/A)
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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification C Out of hold, incorrect preservative, out of temp, incorrect containers.

ace Analytical .

Document Name: Bottle Identification Form (BIF)

Document No.: F-CAR-CS-043-Rev.00 Document Issued: March 14, 2019 Page 1 of 1

Issuing Authority:

Pace Carolinas Quality Office

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

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

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

Project # |

PM: KLH1

Due Date: 09/11/20

CLIENT: GA-GA Power

San and Market	Remail Bestic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plestic Unpreserved (N/A)	BPIU-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H25O4 (pH < 2) (G-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP42-125 mL Plastic ZN Acetate & NaCol.	BP4C-125 mL Plastic NaUn Universerved	AG1U-1 liter Amber Unpreserved (N/A) (G-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CT)	AG15-1 liter Amber H2504 (pH < 2)	AGSA(DG3A)-250 mt Amber NH4CI (N/A)(CI-)	DG9H-40 mL VOA HCI (N/A)	VG9T-40 mL VOA Unp (N/A)	059P-40, mL VOA, H3PO4 (N/A)	VOAK (6 viats per ldt)-5035 kit (N/A)	V/GK (3 viels per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - 180)	Sp27-250 mL Sterile Plastic, (NAM-160)	BP3A-250 mL Plestic (NH2)25O4 (9.3-9.7)	AGOU-100 mL Amber Unpressives variable
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Note: Whenever there is a discrepancy affecting North Carolina Out of hold, incorrect preservative, out of temp, incorrect containers.

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9		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	School or	APPOSING!	10-1-10-	-	District of	Del S	TIM	-		7	ACC	РПО	ST /A	rriLIA	IKM	1900		DATE		TIME		Lillia	8AMPLE C	UNDITION	
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Quality Control Sample Performance Assessment

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Face Analytical

Method Blank Assessment

MS/MSD 2

MS/MSD 1 Spike Volume Used in MSD (mL):
MS Aliquot (L, g, F):
MS Target Conc. (pCl/L, g, F):
MSD Aliquot (L, g, F):
MSD Target Conc. (pCl/L, g, F):
MS Spike Uncertainty (calculated): Sample I.D. Sample MS I.D. Sample MSD I.D. J/L, g, F): te Result: J/L, g, F): Indicator: Indicator: XIL, g, F): ce Result: Sample Collection Date: Spike I.D.: MS/MSD Decay Corrected Spike Concentration (pCi/mL): Spike Volume Used in MS (mL): iculated); le Result Sample Matrix Spike Control Assessment LAL 9/9/2020 55957 DW 1994508 0.124 0.170 0.355 1.43 N/A Pass MB concentration:
M/B Counting Uncertainty:
MB MDC:
MB Numerical Performance Indicator:
MB Status vs Numerical Indicator:
MB Status vs. MDC: Test Analyst: Date: Worklist Matrix MB Sample ID

indo obive Olicei (alici) (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 (pCill., 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:
	z	LCSD55957															
	LCSD (Y or N)?	LCS55957	9/10/2020	19-033	24.045	0,10	0.506	4.751	0.057	3.947	0.714	-2.20	83.08%	ΝΑ	Pass	125%	75%
	Laboratory Control Sample Assessment		Count Date:	Spike I.D.:	Decay Corrected Spike Concentration (pCi/mL):	Votume Used (mL):	Aliquot Volume (L, g, F):	Target Conc. (pCi/L, g, F):	Uncertainty (Calculated):	Result (pCi/L, g, F):	LCS/LCSD Counting Uncertainty (pCi/t, g, F):	Numerical Performance Indicator:	Percent Recovery:	Status vs Numerical Indicator.	Status vs Recovery:	Upper % Recovery Limits:	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.
	Enter Duplicate	sample IDs if	other than	LCS/LCSD in	the space below.			92492844001	32492844001DUP			
	Sample I.D.: 92492844001 Enter Duplicate	92492844001DUP	0.135	0.203	0.052	0.177	See Below 推	0.603	88.26%	N/A	Fail**	25%
Duplicate Sample Assessment	Sample I.D.:	Duplicate Sample I.D. 92492844001DUP sample IDs if	Sample Result (pCi/L, g, F):	Sample Result Counting Uncertainty (pCi/L, g, F):	Sample Duplicate Result (pCi/L, g, F):	Sample Duplicate Result Counting Uncertainty (pCift, g, F):	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator:	Duplicate RPD:	Duplicate Status vs Numerical Indicator:	Duplicete Status vs RPD:	% RPD Limit.

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

Comments:

COSPIL DAY 40 prepped due to unacceptable precision, 10 PA "3Batelmust be

sandlo pos

Ju 9-10-2 TAR_55957_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

TAR DW QC Printed: 9/10/2020 9:37 AM

Pace Analytical

Quality Control Sample Performance Assessment

Test: Ra-226
Analyst: LAL
Date: 9/9/2020
Worklist: 55957
Matrix: DW

1994508 0.124

MB Sample ID

Method Blank Assessment

MB concentration:

0.170 0.355 1.43 N/A Pass

M/B Counting Uncertainty: MB MDC:

MB Numerical Performance Indicator:
MB Status vs Numerical Indicator:
MB Status vs. MDC:

Aliquot Volume (L, g, F): Target Conc. (pCi/L, g, F):

Uncertainty (Calculated): Result (pCi/L, g, F):

LCS/LCSD Counting Uncertainty (pCi/L, g, F): Numerical Performance Indicator: Percent Recovery:

Status vs Numerical Indicator Status vs Recovery

Upper % Recovery Limits: Lower % Recovery Limits:

Duplicate Sample Assessment

Volume Used (mL):

Decay Corrected Spike Concentration (pCi/mL):

Laboratory Control Sample Assessmen

Spike I.D.

Analyst Must Manually Enter All Fields Highlighted in Yellow.

	Sample Matrix Spike Control Assessment	MS/MSD 1	Z GSIM/SIM
	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):		
z	MSD Spike Uncertainty (calculated):		
LCSD55957	Sample Result:		
	Sample Result Counting Uncertainty (pCi/L, g, F):		
	Sample Matrix Spike Result:		
	Matrix Spike Result Counting Uncertainty (pCi/L, g, F):		
	Sample Malrix 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:		

Sample I.D. Sample MS I.D. Duplicate Numerical Performance Indicator:
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
MS/ MSD Duplicate Status vs Numerical Indicator: Sample MSD I.D. Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): MS/ MSD Duplicate Status vs RPD: % RPD Limit: Sample Matrix Spike Duplicate Result Matrix Spike/Matrix Spike Duplicate Sample Assessment LCS/LCSD in the space below. Enter Duplicate sample IDs if other than 92492815015DUP 0.244 0.224 -0.050 0.203 See Below ## 1.904 303.91% 92492815015 LC555957 9/10/2020 10-033 24.045 0.10 0.506 0.506 0.714 -2.20 83.08% N/A N/A Fail***

Sample Result (Dolfu, g, F):
Sample Result Counting Uncertainty (DCML, g, F):
Sample Duplicate Result (pCML, g, F):
Sample Duplicate Result Counting Uncertainty (pCML, 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:

Sample I.D.: Duplicate Sample I.D.

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JAM 4 | 10 | 2020 TAR_55957_WXIS Total Alpha Ragkym (R1043 11Feb2019)XIS 20,00

1 of 1

Quality Control Sample Performance Assessment

LAL 9/10/2020

Analyst Date:

Test:

55959 DW

Worklist: Matrix:

1994514 0.206 0.098 0.149 4.13

MB Sample ID

Method Blank Assessment

MB concentration;

M/B Counting Uncertainty: MB MDC: MB Numerical Performanca Indicator:

MB Status vs Numerical Indicator: MB Status vs. MDC:

Analyst Must Manually Enter All Fields Highlighted in Yellow.

MS/MSD 2

MS/MSD 1 Spike Volume Used in MS (mL):
Spike Volume Used in MSD (mL):
MS Alquot (L, g, F):
MS Target Conc.(pCi/L, g, F):
MSD Target Conc. (pCi/L, g, F): Sample I.D. Sampte MS I.D. Sample MSD I.D. Spike I.D.: MS/MSD Decay Corrected Spike Concentration (pCi/mL): Sample Collection Date Sample Matrix Spike Control Assessment N/A See Comment*

(Y or N)?

Laboratory Control Sample Assessmen

MS Spike Uncertainty (calculated):	MSD Spike Uncertainty (calculated):	Sample Result:	Sample Result Counting Uncertainty (pCl/L, g, F):	Sample Matrix Spike Result:	Matrix Spike Resuft 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:
	z	CSD55959		•		•											

9/11/2020 19-033 24,045 0.10 0.507 4.740 0.057 4.372 0.792 -0.91

Volume Used (mL): Aliquot Volume (L, g, F): Target Conc. (pCi/L, g, F):

Decay Corrected Spike Concentration (pCi/mL):

Count Date: Spike I.D.: Result (pCi/L, g, F):

Uncertainty (Calculated):

LCS/LCSD Counting Uncertainty (pCi/L, g, F):

Numerical Performance Indicator:

≸

Percent Recovery: Status vs Numerical Indicator. Status vs Recovery:

Upper % Recovery Limits: Lower % Recovery Limits:

Duplicate Sample Assessmen

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 (pCl/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:	timi Cod %
	Enter Duplicate	sample IDs if	other than	LCS/LCSD in	the space below.			92492559006	32492559006DUP			

92492559006DUP

Sample I.D.: Duplicate Sample I.D.

92492559006

0.288 0.138 0.063 0.153 See Below # 2.147 128,44% N/A

Duplicate Numerical Performance Indicator: Duplicate RPD:

Duplicate Status vs RPD:

% RPD Limit

Duplicate Status vs Numerical Indicator:

Sample Result (DCI/L, g, F):
Sample Result Counting Uncertainty (pCI/L, g, F):
Sample Duplicate Result (pCI/L, g, F):
Sample Duplicate Result Counting Uncertainty (pCI/L, g, F):
Are sample and/or duplicate results below RL?

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.

MAN GIII LOND wacceptable_precision: 10

Jan 9/11/2000

TAR_55959_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

Printed: 9/11/2020 12:18 PM TAR DW QC

Face Analytical

Quality Control Sample Performance Assessment

LAL 9/10/2020 Ra-226 Test Analyst: Date

MS/MSD 2

MS/MSD 1

Sample I.D. Sample MS I.D. Sample MSD I.D. Spike 1.D.:

Sample Collection Date

Sample Matrix Spike Control Assessment

MS/MSD Decay Corrected Spike Concentration (pCi/mt.):

Spike Volume Used in MS (mL):

Analyst Must Manually Enter All Fields Highlighted in Yellow.

55959 DW	1994514	0.206	0.098	0.149	4.13	N/A	See Comment*	
Worklist Matrix:	MB Sample ID	MB concentration:	M/B Counting Uncertainty:	MB-MDC:	MB Numerical Performance Indicator:	MB Status vs Numerical Indicator:	MB Status vs. MDC:	

Method Blank Assessment

Spike Volume Used in MSD (mL):
MS Aliquot (L, g, F):
MS Target Conc.(pCiA, g, F):
MSD Target Conc. (pCiA, g, F):
MSD Target Conc. (pCiA, g, F):

MB Status vs. MDC:	See Comment	
le Assessment	LCSD (Y or N)?	z
	LCS55959	LCSDE
Count Date:	9/11/2020	
Spike I.D.:	19-033	
Corrected Spike Concentration (pCi/mL):	24.045	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0,507	
Target Conc. (pCi/L, g, F):	4.740	
Uncertainty (Calculated):	0.057	
Result (pCI/L, g, F):	4.372	
CSD Counting Uncertainty (pCi/L, g, F):	0.792	
Numerical Performance Indicator:	-0,91	
Percent Recovery:	92.23%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	125%	
Lower % Recovery Limits:	75%	

Laboratory Control Samp

MS Spike Uncertainty (calcutated):	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:
1	z	LCSD55959															

Decay Corrected Spike Concentration (pCi/mL):

Result (pCi/L, g, F): LCS/LCSD Counting Uncertainty (pCi/L, g, F):

Duplicate Sample Assessment

7007 775UP	Matrix Spike/Matrix Spike Duplicate Sample				Sample	Matrix Spike Result Counting Unce	Sample Matrix Spil	Matrix Spike Duplicate Result Counting Unce	Duplicate Numerical Per	(Based on the Percent Recoveries) MS/ M	MS/ MSD Duplicate Status vs	MS/ MSD Duplic	
92492559007 92492559007DUP 0.269 0.118 0.234 0.201 See Below ## 13,77% NA		Enter Duplicate		other than	LCS/LCSD in	the space below.			92492559007	92492559007DUP			
		12559007	559007DUP	0.269	0.118	0,234	0,201	Below ##	0.291	13.77%	٧/ ٧	Pass	250/

Sample Result (pCi/L, g, F):
Sample Result Counting Uncertainty (pCi/L, g, F):
Sample Duplicate Result (pCi/L, g, F):
Sample Duplicate Result Counting Uncertainty (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:

Sample I.D.: Duplicate Sample I.D.

Sample MSD I.D. Sample MSD I.D. Sample MSD I.D.	Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result:	Natrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	Duplicate Numencal 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:

Sample I.D. Sample MS I.D.

Assessment

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

Comments:

"The method biank result is below the reporting limit for this analysis and is acceptable.

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TAR_55959_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

TAR DW QC Printed: 9/11/2020 12:33 PM

Quality Control Sample Performance Assessment

Ra-228

Analyst Must Manually Enter All Fields Highlighted in Yellow.

VAL 9/9/2020 55952 WT

Test Analyst Date: Worklist Matrix: 1994497 0.722 0.388 0.683 3.65 Fail* See Comment* MB concentration: M/B 2 Sigma CSU: MB MDC: MB Numerical Performance Indicator: MB Status vs Numerical Indicator: MB Status vs. MDC: MB Sample ID

Method Blank Assessmen

LCSD (Y or N)? Laboratory Control Sample Assessment

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 Aliquat (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:		

	vauzauv i	01011400
777	1.033332	LCSD59852
Count Date:	9/11/2020	
Spike I.D.:	20-030	
Decay Corrected Spike Concentration (pCt/mL):	38 447	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.820	
Target Conc. (pCi/L, g, F):	4.686	
Uncertainty (Calculated):	0.230	
Result (pC//L, g, F):	4.304	
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.066	
Numerical Performance Indicator:	-0.69	
Percent Recovery:	91.85%	
Status vs Numerical Indicator:	A/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	135%	
Lower % Recovery Limits:	%09	

	Matrix Spike/Matrix Spike Duplicate Sample Assessment
Enter Duplicate	Sample I.D.
sample IDs if	Sample MS I.D.
other than	Sample MSD I.D.
LCS/LCSD in	Sample Matrix Spike Result:
the space below.	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):
92492815015	Duplicate Numerical Performance Indicator:
92492815015DUP	(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
	MS/ MSD Duplicate Status vs Numerical Indicator:
	MS/ MSD Duplicate Status vs RPD:
	% RPD Limit

92492815015UP 0.361 0.361 0.093 1.307 See Below##

Sample Result (DCIV. g, F):
Sample Result Z Sigme CSU (pCIV. g, F):
Sample Duplicate Result (pCIV. g, F):
Sample Duplicate Result Z Sigme CSU (pCIV. g, F):
Are sample and/or duplicate results below RL?

Duplicate Numerical Performance Indicator;

Duplicate RPD:

Duplicate Status vs RPD:

% RPD Limit:

Duplicate Status vs Numerical Indicator;

Pass

92492815015

Sample I.D.: Duplicate Sample I.D.

Duplicate Sample Assessment

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

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

Comments:

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



6 of 10

Ra-228 NELAC DW2 Printed: 9/14/2020 8:47 AM

Quality Control Sample Performance Assessment

Pace Analytical

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Ra-228

VAL 9/9/2020

Analyst: Date: Worklist: Matrix:

Test

55954 WT

0.357 0.355 0.727 1.97 Pass Pass

MB Numerical Performance Indicator:

MB Status vs Numerical Indicator;

MB Status vs. MDC

Laboratory Control Sample Assessmen

MB concentration: M/B 2 Sigma CSU: MB MDC:

MB Sample ID

Method Blank Assessment

MS/MSD 2 MS/MSD 1 Sample I.D. Sample MS I.D. Sample MSD I.D. Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F): MS Numerical Performance Indicator: Sample Collection Date: MS/MSD Decay Corrected Spike Concentration (pCl/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): Semple Result 2 Sigma CSU (pCi/L, g, F) Matrix Spike Result 2 Sigma CSU (pCi/L, g, F) MSD Numerical Performance Indicator MS Percent Recovery MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery Spike I.D. Spike Volume Used in MS (mL) Spike Volume Used in MSD (mil.) MSD Spike Uncertainty (catculated) Sample Result Sample Matrix Spike Result Sample Matrix Spike Duplicate Result MSD Percent Recovery MS Spike Uncertainty (calculated) MSD Status vs Recovery Sample Matrix Spike Control Assessment LCSD65964 9/15/2020 20-030 38.394 0.10 0.829 4.632 4.632 4.632 1.149 0.34 104.44% N/A

MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:	Assessment	Sample I.D. Sample MS I.D. Sample MSD I.D.
MS/MSD Lower	Matrix Spike/Matrix Spike Duplicate Sample Assessment	
	_	
135%		r Duplicate nple IDs if ther than

106.10%

Percent Recovery. Status vs Recovery: Status vs Numerical Indicator

Upper % Recovery Limits: Lower % Recovery Limits:

Duplicate Sample Assessment

5.042

Result (pCi/L, g, F): LCS/LCSD 2 Sigma CSU (pCi/L, g, F):

Numerical Performance Indicator;

38.394

Decay Corrected Spike Concentration (pCi/mL):

0.10 0.808 4.752 0.233

Aliquot Volume (L, g, F): Target Conc. (pCi/L, g, F):

Uncertainty (Calculated):

Volume Used (mL):

20-030

Count Date: Spike I.D.: Sample Matrix Spike Result:

Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Duplicate Result:

trix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F): Duplicate Numerical Performance Indicator: on the Percent Recoveries) MS/ MSD Duplicate RPD: MS/ MSD Duplicate Status vs Numerical Indicator:

MS/ MSD Duplicate Status vs RPD:

% RPD Limit

		36%	% RPD LIMIT
		Pass	Duplicate Status vs RPD;
		Pass	Duplicate Status vs Numerical indicator:
(Based)		1.57%	(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:
		0.241	Duplicate Numerical Performance Indicator:
Me		2	Are sample and/or duplicate results below RL?
		1.149	Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):
	the space below.	4.838	Sample Duplicate Result (pCi/L, g, F):
	LCS/LCSD in	1.200	Sample Result 2 Sigma CSU (pCi/L, g, F):
	other than	5.042	Sample Resuft (pCi/L, g, F):
	sample IDs if	LCSD55954	Duplicate Sample I.D.
	Enter Duplicate	LCS55954	Sample I.D.:

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

Comments:

Ra-228 NELAC DW2 Primed: 9/16/2020 8:15 AM

Ra-228 (R086-8 045ep2019).xls

6 of 10





June 03, 2021

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

RE: Project: MITCHELL CCR

Pace Project No.: 92499073

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between October 07, 2020 and October 08, 2020. 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,

Kevin Herring

kevin.herring@pacelabs.com

Ken Slung

1(704)875-9092

HORIZON Database Administrator

Enclosures

cc: Joju Abraham, Georgia Power-CCR Kristen Jurinko Ms. Lauren Petty, Southern Company Rhonda Quinn, WOOD E&I Greg Wrenn, WOOD E&I





CERTIFICATIONS

Project: MITCHELL CCR
Pace Project No.: 92499073

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078 Louisiana/NELAP Certification # LA170028 North Carolina Drinking Water Certification #: 37706 North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092 Florida DOH Certification #: E87315 Georgia DW Inorganics Certification #: 812

South Carolina Certification #: 99006001 Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84 Virginia/VELAP Certification #: 460221

North Carolina Wastewater Certification #: 40 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

North Carolina Certification #: 381 South Carolina Certification #: 98011001



SAMPLE SUMMARY

Project: MITCHELL CCR
Pace Project No.: 92499073

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92499073001	EB-01	Water	10/06/20 10:45	10/07/20 09:37
92499073002	PZ-2D	Water	10/06/20 12:20	10/07/20 09:37
92499073003	FB-01	Water	10/06/20 12:55	10/07/20 09:37
92499073004	PZ-32	Water	10/06/20 15:00	10/07/20 09:37
92499073005	PZ-1D	Water	10/06/20 12:00	10/07/20 09:37
92499073006	PZ-31	Water	10/06/20 14:55	10/07/20 09:37
92499073007	PZ-14	Water	10/06/20 11:30	10/07/20 09:37
92499073008	PZ-23A	Water	10/06/20 14:25	10/07/20 09:37
92499073009	PZ-16	Water	10/06/20 16:15	10/07/20 09:37
92499073010	PZ-25	Water	10/07/20 09:50	10/08/20 09:40
92499073011	FD-02	Water	10/07/20 00:00	10/08/20 09:40
92499073012	PZ-7D	Water	10/07/20 12:30	10/08/20 09:40
92499073013	PZ-15	Water	10/07/20 14:45	10/08/20 09:40
92499073014	PZ-19	Water	10/07/20 15:58	10/08/20 09:40
92499073015	FD-01	Water	10/07/20 00:00	10/08/20 09:40
92499073016	PZ-17	Water	10/07/20 10:35	10/08/20 09:40
92499073017	PZ-18	Water	10/07/20 12:05	10/08/20 09:40
92499073018	PZ-33	Water	10/07/20 14:25	10/08/20 09:40



SAMPLE ANALYTE COUNT

Project: MITCHELL CCR
Pace Project No.: 92499073

Part Part	Lab ID	Sample ID	Method	Analysts	Analytes Reported
Part Part	92499073001	EB-01	EPA 6010D	 КН	1
SM 2540C-2011 AW1 1 1 1 1 1 1 1 1 1			EPA 6020B	CW1	10
PZ-2D			EPA 7470A	VB	1
92499073002 PZ-2D EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 EPA 7470CA VB 1 SM 2540C-2011 AVI 1 P2499073003 FB-01 EPA 300.0 Rev 2.1 1993 CDC 3 P2499073004 FB-01 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 EPA 300.0 Rev 2.1 1993 CDC 3 CDC 3 P2499073004 PZ-32 EPA 6010D KH 1 EPA 300.0 Rev 2.1 1993 CDC 3 CDC 3 P2499073005 PZ-1D EPA 6010D KH 1 1 EPA 300.0 Rev 2.1 1993 CDC 3 2 2499073006 CW1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <			SM 2540C-2011	AW1	1
PA 6020B CW1 10 10 10 10 10 10 10			EPA 300.0 Rev 2.1 1993	CDC	3
Part Part	92499073002	PZ-2D	EPA 6010D	KH	1
SM 2540C-2011			EPA 6020B	CW1	10
P2499073003 P349073004 P34 P44 P45 P			EPA 7470A	VB	1
92499073003 FB-01 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073004 PZ-32 EPA 6010D KH 1 EPA 7470A VB 1 1 EPA 6020B CW1 10 1 EPA 7470A VB 1 1 EPA 6020B CW1 1 1 SM 2540C-2011 AW1 1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-1D EPA 6010D KH 1 EPA 6020B CW1 10 EPA 500-2011 AW1 1 EPA 500-2020 CW1 10 EPA 4600-2011 AW1 1 EPA 500.0 Rev 2.1 1993 CDC 3 EPA 7470A VB 1 EPA 7470A VB 1 EPA 7470A VB 1 EPA 500.0 Rev 2.1 1993			SM 2540C-2011	AW1	1
PZ-32			EPA 300.0 Rev 2.1 1993	CDC	3
PZ-32	92499073003	FB-01	EPA 6010D	KH	1
SM 2540C-2011 AW1 1 1 1 1 1 1 1 1 1			EPA 6020B	CW1	10
92499073004 PZ-32 EPA 300.0 Rev 2.1 1993 CDC 3 92499073004 PZ-32 EPA 6010D KH 1 EPA 6020B CW1 10 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073005 PZ-1D EPA 6010D KH 1 EPA 6020B CW1 10 10 EPA 7470A VB 1 1 SM 2540C-2011 AW1 1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073006 PZ-31 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073007 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1			EPA 7470A	VB	1
92499073004 PZ-32 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-4D EPA 6020B CW1 10 EPA 7470A VB 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-31 EPA 6010D KH 1 EPA 6020B CW1 1 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 6020B CW1 1 <t< td=""><td></td><td></td><td>SM 2540C-2011</td><td>AW1</td><td>1</td></t<>			SM 2540C-2011	AW1	1
PA 6020B CW1 10 10 10 10 10 10 10			EPA 300.0 Rev 2.1 1993	CDC	3
P2499073005 P2-1D	92499073004	PZ-32	EPA 6010D	KH	1
SM 2540C-2011			EPA 6020B	CW1	10
92499073005 PZ-1D EPA 300.0 Rev 2.1 1993 CDC 3 92499073005 PZ-1D EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-31 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 EPA 6020B CW1 10 EPA 7470A VB 1 EPA 7470A V			EPA 7470A	VB	1
92499073005 PZ-1D EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 PZ-31 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-499073007 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 6020B CW1 10 EPA 6020B CW1 10 EPA 7470A VB 1			SM 2540C-2011	AW1	1
PZ-31 PZ-3			EPA 300.0 Rev 2.1 1993	CDC	3
PA 7470A VB 1	92499073005	PZ-1D	EPA 6010D	KH	1
SM 2540C-2011 AW1 1			EPA 6020B	CW1	10
PZ-31 PZ-31			EPA 7470A	VB	1
92499073006 PZ-31 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1			SM 2540C-2011	AW1	1
BEPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 6020B CW1 10 EPA 7470A VB 1 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 PZ-23A EPA 6010D KH 1			EPA 300.0 Rev 2.1 1993	CDC	3
PZ-14 PZ-1	92499073006	PZ-31	EPA 6010D	KH	1
SM 2540C-2011 AW1 1			EPA 6020B	CW1	10
EPA 300.0 Rev 2.1 1993 CDC 3 92499073007 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1			EPA 7470A	VB	1
92499073007 PZ-14 EPA 6010D KH 1 EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1			SM 2540C-2011	AW1	1
EPA 6020B CW1 10 EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1			EPA 300.0 Rev 2.1 1993	CDC	3
EPA 7470A VB 1 SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1	92499073007	PZ-14	EPA 6010D	KH	1
SM 2540C-2011 AW1 1 EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1			EPA 6020B	CW1	10
EPA 300.0 Rev 2.1 1993 CDC 3 92499073008 PZ-23A EPA 6010D KH 1			EPA 7470A	VB	1
92499073008 PZ-23A EPA 6010D KH 1			SM 2540C-2011	AW1	1
			EPA 300.0 Rev 2.1 1993	CDC	3
EPA 6020B CW1 10	92499073008	PZ-23A	EPA 6010D	KH	1
			EPA 6020B	CW1	10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MITCHELL CCR
Pace Project No.: 92499073

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A		1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92499073009	PZ-16	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
2499073010	PZ-25	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
2499073011	FD-02	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
2499073012	PZ-7D	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
2499073013	PZ-15	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
2499073014	PZ-19	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
2499073015	FD-01	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MITCHELL CCR
Pace Project No.: 92499073

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 300.0 Rev 2.1 1993	CDC	3
92499073016	PZ-17	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92499073017	PZ-18	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92499073018	PZ-33	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3

PASI-A = Pace Analytical Services - Asheville PASI-C = Pace Analytical Services - Charlotte

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



Project: MITCHELL CCR
Pace Project No.: 92499073

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifier
92499073001	EB-01					
EPA 6020B	Antimony	0.00048J	mg/L	0.0030	10/07/20 20:46	
EPA 6020B	Barium	0.00079J	mg/L	0.010	10/07/20 20:46	
EPA 6020B	Boron	0.0087J	mg/L	0.10	10/07/20 20:46	
2499073002	PZ-2D					
	Performed by	CUSTOME R			10/08/20 16:12	
	рH	8.72	Std. Units		10/08/20 16:12	
EPA 6010D	Calcium	22.7	mg/L	1.0	10/08/20 21:57	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	10/07/20 20:52	
EPA 6020B	Barium	0.0039J	mg/L	0.010	10/07/20 20:52	
EPA 6020B	Boron	0.018J	mg/L	0.10	10/07/20 20:52	
EPA 6020B	Chromium	0.0065J	mg/L	0.010	10/07/20 20:52	
EPA 6020B	Lithium	0.00099J	•	0.010	10/07/20 20:52	
			mg/L			
EPA 6020B	Molybdenum	0.00069J	mg/L	0.010	10/07/20 20:52	
SM 2540C-2011	Total Dissolved Solids	81.0	mg/L	10.0	10/07/20 14:57	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	10/09/20 18:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	10/09/20 18:14	
EPA 300.0 Rev 2.1 1993	Sulfate	3.1	mg/L	1.0	10/09/20 18:14	
2499073004	PZ-32					
	Performed by	CUSTOME R			10/08/20 16:12	
	рН	7.27	Std. Units		10/08/20 16:12	
PA 6010D	Calcium	62.8	mg/L	1.0	10/08/20 22:14	
PA 6020B	Barium	0.015	mg/L	0.010	10/12/20 16:50	
PA 6020B	Boron	0.015J	mg/L	0.10	10/12/20 16:50	
PA 6020B	Chromium	0.00072J	mg/L	0.010	10/12/20 16:50	
SM 2540C-2011	Total Dissolved Solids	169	mg/L	10.0	10/07/20 14:57	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	10/09/20 20:13	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	10/09/20 20:13	
2499073005	PZ-1D		Ü			
	Performed by	CUSTOME			10/08/20 16:12	
	nЦ	R 7.35	Std. Units		10/08/20 16:12	
-DA 6040D	pH Coloium	7.35		4.0	10/08/20 16:12	
EPA 6010D	Calcium	50.5	mg/L	1.0		Б
EPA 6020B	Antimony	0.0021J	mg/L	0.0030	10/12/20 17:39	В
PA 6020B	Barium	0.015	mg/L	0.010	10/12/20 17:39	
PA 6020B	Boron	0.015J	mg/L		10/12/20 17:39	
PA 6020B	Chromium	0.0021J	mg/L	0.010	10/12/20 17:39	
PA 6020B	Lead	0.000066J	mg/L	0.0050	10/12/20 17:39	
PA 6020B	Molybdenum	0.00090J	mg/L	0.010	10/12/20 17:39	
SM 2540C-2011	Total Dissolved Solids	153	mg/L	10.0	10/07/20 14:57	
PA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	10/09/20 20:29	
EPA 300.0 Rev 2.1 1993	Sulfate	2.4	mg/L	1.0	10/09/20 20:29	
2499073006	PZ-31					
	Performed by	CUSTOME			10/08/20 16:12	
		R				



Project: MITCHELL CCR
Pace Project No.: 92499073

Lab Sample ID	Client Sample ID					
Method	Parameters —	Result _	Units	Report Limit	Analyzed	Qualifiers
2499073006	PZ-31					
	рН	7.01	Std. Units		10/08/20 16:12	
EPA 6010D	Calcium	98.8	mg/L	1.0	10/08/20 22:23	
EPA 6020B	Antimony	0.00045J	mg/L	0.0030	10/12/20 17:45	В
EPA 6020B	Barium	0.0075J	mg/L	0.010	10/12/20 17:45	
EPA 6020B	Boron	0.011J	mg/L	0.10	10/12/20 17:45	
PA 6020B	Chromium	0.0013J	mg/L	0.010	10/12/20 17:45	
SM 2540C-2011	Total Dissolved Solids	254	mg/L	10.0	10/07/20 14:58	
PA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	10/09/20 20:44	
PA 300.0 Rev 2.1 1993	Sulfate	0.98J	mg/L	1.0	10/09/20 20:44	
2499073007	PZ-14					
	Performed by	CUSTOME R			10/08/20 16:12	
	рН	7.01	Std. Units		10/08/20 16:12	
EPA 6010D	Calcium	111	mg/L	1.0	10/08/20 22:27	
PA 6020B	Barium	0.016	mg/L	0.010	10/12/20 17:51	
PA 6020B	Boron	0.026J	mg/L	0.10	10/12/20 17:51	
PA 6020B	Chromium	0.00098J	mg/L	0.010	10/12/20 17:51	
SM 2540C-2011	Total Dissolved Solids	241	mg/L	10.0	10/07/20 14:58	
PA 300.0 Rev 2.1 1993	Chloride	4.4	mg/L	1.0	10/09/20 20:59	
PA 300.0 Rev 2.1 1993	Sulfate	11.0	mg/L	1.0	10/09/20 20:59	
2499073008	PZ-23A					
	Performed by	CUSTOME			10/08/20 16:12	
	pН	R 6.78	Std. Units		10/08/20 16:12	
PA 6010D	Calcium	144	mg/L	1.0	10/08/20 22:32	
PA 6020B	Barium	0.037	mg/L	0.010	10/12/20 17:56	
PA 6020B	Boron	0.16	mg/L	0.10	10/12/20 17:56	
PA 6020B	Chromium	0.0015J	mg/L	0.010	10/12/20 17:56	
PA 6020B	Cobalt	0.00067J	mg/L	0.0050	10/12/20 17:56	
PA 6020B	Lead	0.000047J	mg/L	0.0050	10/12/20 17:56	
PA 6020B	Lithium	0.00097J	mg/L	0.030	10/12/20 17:56	
PA 6020B	Selenium	0.0027J	mg/L	0.010	10/12/20 17:56	
M 2540C-2011	Total Dissolved Solids	462	mg/L	10.0	10/07/20 14:58	
PA 300.0 Rev 2.1 1993	Chloride	7.0	mg/L	1.0	10/09/20 21:15	
PA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	10/09/20 21:15	
PA 300.0 Rev 2.1 1993	Sulfate	71.2	mg/L	1.0	10/09/20 21:15	
2499073009	PZ-16					
	Performed by	CUSTOME R			10/08/20 16:12	
	рН	7.24	Std. Units		10/08/20 16:12	
PA 6010D	Calcium	84.0	mg/L	1.0	10/08/20 22:36	
PA 6020B	Barium	0.034	mg/L	0.010	10/12/20 18:02	
PA 6020B	Boron	0.19	mg/L		10/12/20 18:02	
PA 6020B	Chromium	0.0011J	mg/L	0.010	10/12/20 18:02	
M 2540C-2011	Total Dissolved Solids	261	mg/L	10.0	10/07/20 14:58	
EPA 300.0 Rev 2.1 1993	Chloride	6.4	mg/L	1.0	10/09/20 22:32	

REPORT OF LABORATORY ANALYSIS

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Project: MITCHELL CCR
Pace Project No.: 92499073

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2499073009	PZ-16					
EPA 300.0 Rev 2.1 1993	Sulfate	42.4	mg/L	1.0	10/09/20 22:32	
2499073010	PZ-25					
	Performed by	CUSTOME R			10/08/20 16:12	
	pH	6.95	Std. Units		10/08/20 16:12	
EPA 6010D	Calcium	84.2	mg/L		10/09/20 19:48	
EPA 6020B	Barium	0.11	mg/L		10/12/20 18:44	
EPA 6020B	Boron	0.18	mg/L	0.10	10/12/20 18:44	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	10/12/20 18:44	
EPA 6020B	Lithium	0.0063J	mg/L	0.030	10/12/20 18:44	
EPA 6020B	Thallium	0.00027J	mg/L	0.0010	10/12/20 18:44	
SM 2540C-2011	Total Dissolved Solids	280	mg/L	10.0	10/08/20 16:06	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	10/10/20 03:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	10/10/20 03:41	
EPA 300.0 Rev 2.1 1993	Sulfate	38.1	mg/L	1.0	10/10/20 03:41	
2499073011	FD-02					
EPA 6010D	Calcium	85.7	mg/L	1.0	10/09/20 19:52	
PA 6020B	Barium	0.11	mg/L	0.010	10/12/20 18:50	
PA 6020B	Boron	0.19	mg/L	0.10	10/12/20 18:50	
PA 6020B	Cobalt	0.0014J	mg/L	0.0050	10/12/20 18:50	
PA 6020B	Lithium	0.0062J	mg/L	0.030	10/12/20 18:50	
PA 6020B	Thallium	0.00027J	mg/L	0.0010	10/12/20 18:50	
SM 2540C-2011	Total Dissolved Solids	288	mg/L	10.0	10/08/20 16:06	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	10/10/20 04:27	
PA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	10/10/20 04:27	
PA 300.0 Rev 2.1 1993	Sulfate	38.3	mg/L	1.0	10/10/20 04:27	
2499073012	PZ-7D					
	Performed by	CUSTOME R			10/08/20 16:12	
	рН	6.98	Std. Units		10/08/20 16:12	
PA 6010D	Calcium	109	mg/L	1.0	10/09/20 19:57	
EPA 6020B	Barium	0.0061J	mg/L	0.010	10/12/20 18:55	
PA 6020B	Boron	0.20	mg/L	0.10	10/12/20 18:55	
PA 6020B	Chromium	0.0014J	mg/L	0.010	10/12/20 18:55	
EPA 6020B	Lithium	0.0023J	mg/L	0.030	10/12/20 18:55	
SM 2540C-2011	Total Dissolved Solids	334	mg/L	10.0	10/08/20 16:06	
EPA 300.0 Rev 2.1 1993	Chloride	3.9	mg/L	1.0	10/10/20 04:43	
PA 300.0 Rev 2.1 1993	Sulfate	48.9	mg/L	1.0	10/10/20 04:43	
2499073013	PZ-15					
	Performed by	CUSTOME R			10/08/20 16:12	
	pН	7.11	Std. Units		10/08/20 16:12	
PA 6010D	Calcium	93.5	mg/L	1.0	10/09/20 20:01	
PA 6020B	Barium	0.049	mg/L		10/12/20 19:01	
PA 6020B	Boron	0.19	mg/L	0.10		
EPA 6020B	Lithium	0.0013J	mg/L	0.030		

REPORT OF LABORATORY ANALYSIS

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Project: MITCHELL CCR
Pace Project No.: 92499073

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92499073013	PZ-15					
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	10/12/20 19:01	
SM 2540C-2011	Total Dissolved Solids	336	mg/L	10.0	10/08/20 16:06	
EPA 300.0 Rev 2.1 1993	Chloride	6.6	mg/L	1.0	10/10/20 04:58	
EPA 300.0 Rev 2.1 1993	Sulfate	80.7	mg/L	1.0	10/10/20 04:58	
2499073014	PZ-19					
	Performed by	CUSTOME R			10/08/20 16:12	
	рН	6.78	Std. Units		10/08/20 16:12	
EPA 6010D	Calcium	144	mg/L	1.0	10/09/20 20:06	
EPA 6020B	Barium	0.054	mg/L	0.010	10/12/20 19:07	
EPA 6020B	Boron	0.52	mg/L	0.10	10/12/20 19:07	
EPA 6020B	Lead	0.000042J	mg/L	0.0050	10/12/20 19:07	
EPA 6020B	Lithium	0.013J	mg/L	0.030	10/12/20 19:07	
EPA 6020B	Molybdenum	0.0019J	mg/L	0.010	10/12/20 19:07	
EPA 6020B	Selenium	0.0035J	mg/L	0.010	10/12/20 19:07	
EPA 6020B	Thallium	0.00070J	mg/L	0.0010	10/12/20 19:07	
SM 2540C-2011	Total Dissolved Solids	492	mg/L	10.0	10/08/20 16:06	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	10/10/20 05:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	10/10/20 05:13	
EPA 300.0 Rev 2.1 1993	Sulfate	83.3	mg/L	1.0	10/10/20 05:13	
2499073015	FD-01					
EPA 6010D	Calcium	138	mg/L	1.0	10/09/20 20:19	
EPA 6020B	Barium	0.053	mg/L	0.010	10/13/20 17:15	
EPA 6020B	Boron	0.55	mg/L	0.10	10/13/20 17:15	
EPA 6020B	Lithium	0.014J	mg/L	0.030	10/13/20 17:15	
EPA 6020B	Molybdenum	0.0019J	mg/L	0.010	10/13/20 17:15	
EPA 6020B	Selenium	0.0029J	mg/L	0.010	10/13/20 17:15	
EPA 6020B	Thallium	0.00068J	mg/L	0.0010	10/13/20 17:15	
SM 2540C-2011	Total Dissolved Solids	496	mg/L	10.0	10/08/20 16:07	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	10/10/20 05:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	10/10/20 05:29	
EPA 300.0 Rev 2.1 1993	Sulfate	84.0	mg/L	1.0	10/10/20 05:29	
2499073016	PZ-17					
	Performed by	CUSTOME R			10/08/20 16:12	
	рН	7.04	Std. Units		10/08/20 16:12	
EPA 6010D	Calcium	112	mg/L	1.0	10/09/20 20:24	
EPA 6020B	Barium	0.074	mg/L	0.010	10/13/20 17:21	
EPA 6020B	Boron	0.30	mg/L	0.10	10/13/20 17:21	
EPA 6020B	Lithium	0.0029J	mg/L	0.030	10/13/20 17:21	
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	10/13/20 17:21	
SM 2540C-2011	Total Dissolved Solids	392	mg/L	10.0	10/08/20 16:07	
EPA 300.0 Rev 2.1 1993	Chloride	5.7	mg/L	1.0	10/13/20 22:47	
EPA 300.0 Rev 2.1 1993	Sulfate	89.1	mg/L	4.0	10/13/20 22:47	



Project: MITCHELL CCR
Pace Project No.: 92499073

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
92499073017	PZ-18						
	Performed by	CUSTOME R			10/08/20 16:12		
	рН	6.91	Std. Units		10/08/20 16:12		
EPA 6010D	Calcium	129	mg/L	1.0	10/09/20 20:28		
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	10/13/20 17:44		
EPA 6020B	Barium	0.023	mg/L	0.010	10/13/20 17:44		
EPA 6020B	Boron	0.39	mg/L	0.10	10/13/20 17:44		
EPA 6020B	Lead	0.000042J	mg/L	0.0050	10/13/20 17:44		
EPA 6020B	Lithium	0.0030J	mg/L	0.030	10/13/20 17:44		
SM 2540C-2011	Total Dissolved Solids	425	mg/L	10.0	10/08/20 16:07		
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	10/13/20 23:01		
EPA 300.0 Rev 2.1 1993	Sulfate	87.3	mg/L	1.0	10/13/20 23:01		
92499073018	PZ-33						
	Performed by	CUSTOME R			10/08/20 16:12		
	рН	7.04	Std. Units		10/08/20 16:12		
EPA 6010D	Calcium	94.7	mg/L	1.0	10/09/20 20:33		
EPA 6020B	Antimony	0.00037J	mg/L	0.0030	10/13/20 17:49		
EPA 6020B	Barium	0.048	mg/L	0.010	10/13/20 17:49		
EPA 6020B	Boron	0.35	mg/L	0.10	10/13/20 17:49		
SM 2540C-2011	Total Dissolved Solids	337	mg/L	10.0	10/08/20 16:07		
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	10/13/20 23:15		
EPA 300.0 Rev 2.1 1993	Sulfate	54.6	mg/L	1.0	10/13/20 23:15		



Date: 06/03/2021 05:36 PM

ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: EB-01	Lab ID:	92499073001	Collecte	ed: 10/06/20	0 10:45	Received: 10/	07/20 09:37 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical	Method: EPA 6	010D Pre	paration Me	thod: El	PA 3010A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	ЭΑ				
Calcium	ND	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 21:52	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA 6	6020B Pre	paration Met	thod: Ef	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	ЭΑ				
Antimony	0.00048J	mg/L	0.0030	0.00028	1	10/07/20 15:28	10/07/20 20:46	7440-36-0	
Barium	0.00079J	mg/L	0.010	0.00071	1	10/07/20 15:28	10/07/20 20:46	7440-39-3	
Boron	0.0087J	mg/L	0.10	0.0052	1	10/07/20 15:28	10/07/20 20:46	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/07/20 15:28	10/07/20 20:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/07/20 15:28	10/07/20 20:46	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	10/07/20 15:28	10/07/20 20:46	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	10/07/20 15:28	10/07/20 20:46	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/07/20 15:28	10/07/20 20:46	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/07/20 15:28	10/07/20 20:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/07/20 15:28	10/07/20 20:46	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	7470A Pre	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	ЭΑ				
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 19:42	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	ЭΑ				
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		10/07/20 14:57		
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
-	Pace Anal	ytical Services	- Asheville						
Chloride	ND	mg/L	1.0	0.60	1		10/09/20 18:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 18:00	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/09/20 18:00		



ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-2D	Lab ID: 9	92499073002	Collecte	d: 10/06/20	12:20	Received: 10/	07/20 09:37 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical N Pace Analy	Method: tical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН		Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 tical Services				PA 3010A			
Calcium	22.7	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 21:57	7440-70-2	
6020 MET ICPMS	•	/lethod: EPA 6 tical Services	•			PA 3005A			
Antimony	0.0013J	mg/L	0.0030	0.00028	1	10/07/20 15:28	10/07/20 20:52	7440-36-0	
Barium	0.0039J	mg/L	0.010	0.00071	1	10/07/20 15:28	10/07/20 20:52	7440-39-3	
Boron	0.018J	mg/L	0.10	0.0052	1	10/07/20 15:28	10/07/20 20:52	7440-42-8	
Chromium	0.0065J	mg/L	0.010	0.00055	1	10/07/20 15:28	10/07/20 20:52	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/07/20 15:28	10/07/20 20:52	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	10/07/20 15:28	10/07/20 20:52	7439-92-1	
Lithium	0.00099J	mg/L	0.030	0.00081	1	10/07/20 15:28	10/07/20 20:52	7439-93-2	
Molybdenum	0.00069J	mg/L	0.010	0.00069	1	10/07/20 15:28	10/07/20 20:52	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/07/20 15:28	10/07/20 20:52	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/07/20 15:28	10/07/20 20:52	7440-28-0	
7470 Mercury		Method: EPA 7 tical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 19:44	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 tical Services		e Corners, C	ΘA				
Total Dissolved Solids	81.0	mg/L	10.0	10.0	1		10/07/20 14:57		
300.0 IC Anions 28 Days	-	/lethod: EPA 3 tical Services		.1 1993					
Chloride	2.3	mg/L	1.0	0.60	1		10/09/20 18:14	16887-00-6	
Fluoride	0.073J	mg/L	0.10	0.050	1		10/09/20 18:14		
Sulfate	3.1	mg/L	1.0	0.50	1		10/09/20 18:14		



Date: 06/03/2021 05:36 PM

ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: FB-01	Lab ID:	92499073003	Collected	d: 10/06/20	0 12:55	Received: 10/	07/20 09:37 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
6010D ATL ICP	Analytical	Method: EPA	6010D Prep	aration Met	thod: EF	PA 3010A			
	Pace Anal	ytical Services	s - Peachtree	Corners, C	ЭΑ				
Calcium	ND	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:10	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA	6020B Prep	aration Met	thod: EF	PA 3005A			
	Pace Anal	ytical Services	s - Peachtree	Corners, C	GΑ				
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 16:44	7440-36-0	
Barium	ND	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 16:44	7440-39-3	
Boron	ND	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 16:44	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 16:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 16:44	7440-48-4	
₋ead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 16:44	7439-92-1	
ithium	ND	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 16:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 16:44	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 16:44	7782-49-2	
⁻ hallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 16:44	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prep	aration Met	thod: EF	PA 7470A			
	Pace Anal	ytical Services	s - Peachtree	Corners, C	ЭΑ				
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 19:46	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Anal	ytical Services	s - Peachtree	Corners, C	GΑ				
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		10/07/20 14:57		
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2.	1 1993					
•	Pace Anal	ytical Services	s - Asheville						
Chloride	ND	mg/L	1.0	0.60	1		10/09/20 18:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 18:29	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/09/20 18:29	14808-79-8	



Date: 06/03/2021 05:36 PM

ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: PZ-32	Lab ID:	92499073004	Collecte	d: 10/06/2	0 15:00	Received: 10/	07/20 09:37 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Anal	Method: ytical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН	7.27	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	62.8	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:14	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services	•			PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 16:50	7440-36-0	
Barium	0.015	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 16:50	7440-39-3	
Boron	0.015J	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 16:50	7440-42-8	
Chromium	0.00072J	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 16:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 16:50	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 16:50	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 16:50	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 16:50	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 16:50	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 16:50	7440-28-0	
7470 Mercury	-	Method: EPA 7 ytical Services				PA 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 19:53	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 25 ytical Services		e Corners, 0	GΑ				
Total Dissolved Solids	169	mg/L	10.0	10.0	1		10/07/20 14:57		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	2.3	mg/L	1.0	0.60	1		10/09/20 20:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 20:13		
Sulfate	1.9	mg/L	1.0	0.50	1		10/09/20 20:13		



ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: PZ-1D	Lab ID:	92499073005	Collecte	ed: 10/06/20	12:00	Received: 10/	07/20 09:37 Ma	atrix: Water	
_			Report						
Parameters —	Results	Units	Limit	MDL_	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	lytical Services	- Charlotte	;					
Performed by	CUSTOME				1		10/08/20 16:12		
рН	R 7.35	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	Analytical	Method: EPA 6	010D Pre	paration Met	hod: EF	PA 3010A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	SA.				
Calcium	50.5	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:19	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
-	•	ytical Services							
Antimony	0.0021J	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 17:39	7440-36-0	В
Barium	0.015	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 17:39		_
Boron	0.015J	mg/L	0.10	0.0052	1		10/12/20 17:39		
Chromium	0.0021J	mg/L	0.010	0.00055	1	10/09/20 14:00			
Cobalt	ND	mg/L	0.0050	0.00038	1		10/12/20 17:39		
Lead	0.000066J	mg/L	0.0050	0.000036	1		10/12/20 17:39		
Lithium	ND	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 17:39	7439-93-2	
Molybdenum	0.00090J	mg/L	0.010	0.00069	1		10/12/20 17:39		
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 17:39	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 17:39	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	470A Prej	paration Met	hod: EF	A 7470A			
	Pace Anal	lytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 19:56	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 25	540C-2011						
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Total Dissolved Solids	153	mg/L	10.0	10.0	1		10/07/20 14:57		
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	00.0 Rev 2	2.1 1993					
•	Pace Anal	ytical Services	- Asheville						
Chloride	3.0	mg/L	1.0	0.60	1		10/09/20 20:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 20:29		
Sulfate	2.4	mg/L	1.0	0.50	1		10/09/20 20:29		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-31	Lab ID:	92499073006	Collecte	d: 10/06/20	14:55	Received: 10/	07/20 09:37 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical N	Method: rtical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН		Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 rtical Services				PA 3010A			
Calcium	98.8	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:23	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 rtical Services				² A 3005A			
Antimony	0.00045J	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 17:45	7440-36-0	В
Barium	0.0075J	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 17:45	7440-39-3	
Boron	0.011J	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 17:45	7440-42-8	
Chromium	0.0013J	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 17:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 17:45	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 17:45	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 17:45	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 17:45	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 17:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 17:45	7440-28-0	
7470 Mercury		Method: EPA 7 rtical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 19:58	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 rtical Services		e Corners, C	SA.				
Total Dissolved Solids	254	mg/L	10.0	10.0	1		10/07/20 14:58		
300.0 IC Anions 28 Days	•	Method: EPA 3 rtical Services		.1 1993					
Chloride	3.4	mg/L	1.0	0.60	1		10/09/20 20:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 20:44		
Sulfate	0.98J	mg/L	1.0	0.50	1		10/09/20 20:44		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-14	Lab ID:	92499073007	Collected	d: 10/06/20	0 11:30	Received: 10/	07/20 09:37 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Anal	Method: ytical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН	7.01	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	111	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:27	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 17:51	7440-36-0	В
Barium	0.016	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 17:51	7440-39-3	
Boron	0.026J	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 17:51	7440-42-8	
Chromium	0.00098J	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 17:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 17:51	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 17:51	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 17:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 17:51	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 17:51	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 17:51	7440-28-0	
7470 Mercury		Method: EPA 7 ytical Services				PA 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 20:01	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 29 ytical Services		e Corners, 0	GΑ				
Total Dissolved Solids	241	mg/L	10.0	10.0	1		10/07/20 14:58		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	4.4	mg/L	1.0	0.60	1		10/09/20 20:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 20:59		
Sulfate	11.0	mg/L	1.0	0.50	1		10/09/20 20:59		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-23A	Lab ID:	92499073008	Collecte	d: 10/06/20	14:25	Received: 10/	07/20 09:37 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical N	Method:	Charlotta						
	•	rlicai Services	- Chanolle						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН		Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 rtical Services				PA 3010A			
Calcium	144	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:32	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 rtical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 17:56	7440-36-0	
Barium	0.037	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 17:56	7440-39-3	
Boron	0.16	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 17:56	7440-42-8	
Chromium	0.0015J	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 17:56	7440-47-3	
Cobalt	0.00067J	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 17:56	7440-48-4	
Lead	0.000047J	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 17:56	7439-92-1	
Lithium	0.00097J	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 17:56	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 17:56	7439-98-7	
Selenium	0.0027J	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 17:56	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 17:56	7440-28-0	
7470 Mercury		Method: EPA 7 rtical Services				² A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 20:03	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 rtical Services		e Corners, C	SA.				
Total Dissolved Solids	462	mg/L	10.0	10.0	1		10/07/20 14:58		
300.0 IC Anions 28 Days	•	Method: EPA 3 rtical Services		.1 1993					
Chloride	7.0	mg/L	1.0	0.60	1		10/09/20 21:15	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		10/09/20 21:15		
Sulfate	71.2	mg/L	1.0	0.50	1		10/09/20 21:15		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-16	Lab ID:	92499073009	Collecte	d: 10/06/20	16:15	Received: 10/	07/20 09:37 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical I Pace Analy	Method: rtical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН		Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 rtical Services				PA 3010A			
Calcium	84.0	mg/L	1.0	0.070	1	10/08/20 14:00	10/08/20 22:36	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 rtical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 18:02	7440-36-0	
Barium	0.034	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 18:02	7440-39-3	
Boron	0.19	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 18:02	7440-42-8	
Chromium	0.0011J	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 18:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 18:02	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 18:02	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 18:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 18:02	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 18:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 18:02	7440-28-0	
7470 Mercury		Method: EPA 7 rtical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/07/20 13:30	10/07/20 20:05	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 rtical Services		e Corners, C	θA				
Total Dissolved Solids	261	mg/L	10.0	10.0	1		10/07/20 14:58		
300.0 IC Anions 28 Days	•	Method: EPA 3 rtical Services		.1 1993					
Chloride	6.4	mg/L	1.0	0.60	1		10/09/20 22:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/09/20 22:32		
Sulfate	42.4	mg/L	1.0	0.50	1		10/09/20 22:32		



ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: PZ-25	Lab ID:	92499073010	Collecte	d: 10/07/20	0 09:50	Received: 10/	/08/20 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: lytical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН	6.95	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	-	Method: EPA 6 lytical Services				PA 3010A			
Calcium	84.2	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 19:48	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 lytical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 18:44	7440-36-0	
Barium	0.11	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 18:44	7440-39-3	
Boron	0.18	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 18:44	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 18:44	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 18:44	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 18:44	7439-92-1	
_ithium	0.0063J	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 18:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 18:44	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 18:44	7782-49-2	
Thallium	0.00027J	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 18:44	7440-28-0	
7470 Mercury		Method: EPA 7 lytical Services				PA 7470A			
Mercury	ND	mg/L	0.00050		1	10/12/20 14:30	10/13/20 11:51	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 25 lytical Services		e Corners, 0	ЗA				
Total Dissolved Solids	280	mg/L	10.0	10.0	1		10/08/20 16:06		
300.0 IC Anions 28 Days	•	Method: EPA 3 lytical Services		.1 1993					
Chloride	1.8	mg/L	1.0	0.60	1		10/10/20 03:41	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		10/10/20 03:41		
Sulfate	38.1	mg/L	1.0	0.50	1		10/10/20 03:41		



ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: FD-02	Lab ID:	92499073011	Collecte	ed: 10/07/20	00:00	Received: 10/	08/20 09:40 Ma	atrix: Water					
			Report										
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual				
6010D ATL ICP	Analytical N	Method: EPA 6	6010D Pre	paration Met	thod: Ef	PA 3010A							
	Pace Analy	tical Services	- Peachtre	e Corners, C	βA								
Calcium	85.7	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 19:52	7440-70-2					
6020 MET ICPMS	Analytical N	Method: EPA 6	6020B Pre	paration Met	hod: EF	PA 3005A							
	Pace Analy	Pace Analytical Services - Peachtree Corners, GA											
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 18:50	7440-36-0					
Barium	0.11	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 18:50	7440-39-3					
Boron	0.19	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 18:50	7440-42-8					
Chromium	ND	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 18:50	7440-47-3					
Cobalt	0.0014J	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 18:50	7440-48-4					
Lead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 18:50	7439-92-1					
Lithium	0.0062J	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 18:50	7439-93-2					
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 18:50	7439-98-7					
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 18:50	7782-49-2					
Thallium	0.00027J	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 18:50	7440-28-0					
7470 Mercury	Analytical N	Method: EPA 7	7470A Pre	paration Met	hod: EF	PA 7470A							
	Pace Analy	tical Services	- Peachtre	e Corners, C	βA								
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 11:53	7439-97-6					
2540C Total Dissolved Solids	Analytical N	Method: SM 2	540C-2011										
	Pace Analy	tical Services	- Peachtre	e Corners, C	βA								
Total Dissolved Solids	288	mg/L	10.0	10.0	1		10/08/20 16:06						
300.0 IC Anions 28 Days	Analytical N	Method: EPA 3	300.0 Rev 2	2.1 1993									
	•	tical Services											
Chloride	1.8	mg/L	1.0	0.60	1		10/10/20 04:27	16887-00-6					
Fluoride	0.14	mg/L	0.10	0.050	1		10/10/20 04:27						
Sulfate	38.3	mg/L	1.0	0.50	1		10/10/20 04:27						



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-7D	Lab ID:	92499073012	Collecte	d: 10/07/20	12:30	Received: 10/	08/20 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical		Ch a vlatta						
	Pace Anal	ytical Services	- Charlotte						
Performed by	CUSTOME				1		10/08/20 16:12		
рН	R 6.98	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	109	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 19:57	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 18:55	7440-36-0	
Barium	0.0061J	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 18:55	7440-39-3	
Boron	0.20	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 18:55	7440-42-8	
Chromium	0.0014J	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 18:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 18:55	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 18:55	7439-92-1	
Lithium	0.0023J	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 18:55	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 18:55	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 18:55	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 18:55	7440-28-0	
7470 Mercury	-	Method: EPA 7 ytical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 11:55	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 ytical Services		e Corners, C	SA.				
Total Dissolved Solids	334	mg/L	10.0	10.0	1		10/08/20 16:06		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	3.9	mg/L	1.0	0.60	1		10/10/20 04:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/10/20 04:43		
Sulfate	48.9	mg/L	1.0	0.50	1		10/10/20 04:43		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-15	Lab ID:	92499073013	Collecte	d: 10/07/20	14:45	Received: 10/	08/20 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Anal	Method: ytical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН	7.11	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	93.5	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 20:01	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services	•			PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 19:01	7440-36-0	
Barium	0.049	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 19:01	7440-39-3	
Boron	0.19	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 19:01	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 19:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00	10/12/20 19:01	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 19:01	7439-92-1	
_ithium	0.0013J	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 19:01	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 19:01	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 19:01	7782-49-2	
Γhallium	0.00022J	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 19:01	7440-28-0	
7470 Mercury	-	Method: EPA 7 ytical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 11:58	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 29 lytical Services		e Corners, 0	ЭΑ				
Total Dissolved Solids	336	mg/L	10.0	10.0	1		10/08/20 16:06		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	6.6	mg/L	1.0	0.60	1		10/10/20 04:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/10/20 04:58		
Sulfate	80.7	mg/L	1.0	0.50	1		10/10/20 04:58		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-19	Lab ID:	92499073014	Collecte	d: 10/07/20	0 15:58	Received: 10/	08/20 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: lytical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
Н	6.78	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	-	Method: EPA 6 lytical Services				PA 3010A			
Calcium	144	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 20:06	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 lytical Services	•			PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/09/20 14:00	10/12/20 19:07	7440-36-0	
arium	0.054	mg/L	0.010	0.00071	1	10/09/20 14:00	10/12/20 19:07	7440-39-3	
Boron	0.52	mg/L	0.10	0.0052	1	10/09/20 14:00	10/12/20 19:07	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/09/20 14:00	10/12/20 19:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/09/20 14:00			
.ead	0.000042J	mg/L	0.0050	0.000036	1	10/09/20 14:00	10/12/20 19:07		
ithium	0.013J	mg/L	0.030	0.00081	1	10/09/20 14:00	10/12/20 19:07	7439-93-2	
Molybdenum	0.0019J	mg/L	0.010	0.00069	1	10/09/20 14:00	10/12/20 19:07	7439-98-7	
Selenium	0.0035J	mg/L	0.010	0.0016	1	10/09/20 14:00	10/12/20 19:07		
- Thallium	0.00070J	mg/L	0.0010	0.00014	1	10/09/20 14:00	10/12/20 19:07		
470 Mercury	Analytical	Method: EPA 7	470A Prep	aration Met	thod: EF	PA 7470A			
	Pace Ana	lytical Services	- Peachtree	e Corners, C	ЭA				
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 12:05	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 28 lytical Services		e Corners, 0	GΑ				
Total Dissolved Solids	492	mg/L	10.0	10.0	1		10/08/20 16:06		
300.0 IC Anions 28 Days	•	Method: EPA 3 lytical Services		.1 1993					
Chloride	4.5	mg/L	1.0	0.60	1		10/10/20 05:13	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		10/10/20 05:13		
Sulfate	83.3	mg/L	1.0	0.50	1		10/10/20 05:13		



ANALYTICAL RESULTS

Project: MITCHELL CCR
Pace Project No.: 92499073

Sample: FD-01	Lab ID:	9249907301	5 Collected	d: 10/07/20	00:00	Received: 10/	08/20 09:40 Ma	atrix: Water					
_			Report						_				
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua				
6010D ATL ICP	Analytical	Method: EPA	A 6010D Prepa	aration Met	thod: Ef	PA 3010A							
	Pace Analy	ytical Service	es - Peachtree	Corners, C	ЭΑ								
Calcium	138	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 20:19	7440-70-2					
6020 MET ICPMS	Analytical	Method: EPA	. 6020B Prepa	aration Met	thod: EF	PA 3005A							
	Pace Analy	Pace Analytical Services - Peachtree Corners, GA											
Antimony	ND	mg/L	0.0030	0.00028	1	10/12/20 15:15	10/13/20 17:15	7440-36-0					
Barium	0.053	mg/L	0.010	0.00071	1	10/12/20 15:15	10/13/20 17:15	7440-39-3					
Boron	0.55	mg/L	0.10	0.0052	1	10/12/20 15:15	10/13/20 17:15	7440-42-8					
Chromium	ND	mg/L	0.010	0.00055	1	10/12/20 15:15	10/13/20 17:15	7440-47-3					
Cobalt	ND	mg/L	0.0050	0.00038	1	10/12/20 15:15	10/13/20 17:15	7440-48-4					
₋ead	ND	mg/L	0.0050	0.000036	1	10/12/20 15:15	10/13/20 17:15	7439-92-1					
_ithium	0.014J	mg/L	0.030	0.00081	1	10/12/20 15:15	10/13/20 17:15	7439-93-2					
Molybdenum	0.0019J	mg/L	0.010	0.00069	1	10/12/20 15:15	10/13/20 17:15	7439-98-7					
Selenium	0.0029J	mg/L	0.010	0.0016	1	10/12/20 15:15	10/13/20 17:15	7782-49-2					
Γhallium	0.00068J	mg/L	0.0010	0.00014	1	10/12/20 15:15	10/13/20 17:15	7440-28-0					
7470 Mercury	Analytical	Method: EPA	7470A Prepa	aration Met	hod: EF	PA 7470A							
	Pace Analy	ytical Service	es - Peachtree	Corners, C	ЭΑ								
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 12:07	7439-97-6					
2540C Total Dissolved Solids	Analytical	Method: SM	2540C-2011										
	Pace Analy	ytical Service	es - Peachtree	Corners, C	ЭΑ								
Total Dissolved Solids	496	mg/L	10.0	10.0	1		10/08/20 16:07						
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2.	1 1993									
·	Pace Analy	ytical Service	es - Asheville										
Chloride	4.5	mg/L	1.0	0.60	1		10/10/20 05:29	16887-00-6					
Fluoride	0.062J	mg/L	0.10	0.050	1		10/10/20 05:29	16984-48-8					
Sulfate	84.0	mg/L	1.0	0.50	1		10/10/20 05:29	14808-79-8					



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-17	Lab ID:	92499073016	Collecte	d: 10/07/20	0 10:35	Received: 10/	08/20 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Pace Analy	Method: /tical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН	7.04	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	•	Method: EPA 6 /tical Services				PA 3010A			
Calcium	112	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 20:24	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 /tical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	10/12/20 15:15	10/13/20 17:21	7440-36-0	
Barium	0.074	mg/L	0.010	0.00071	1	10/12/20 15:15	10/13/20 17:21	7440-39-3	
Boron	0.30	mg/L	0.10	0.0052	1	10/12/20 15:15	10/13/20 17:21	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/12/20 15:15	10/13/20 17:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/12/20 15:15	10/13/20 17:21	7440-48-4	
Lead	ND	mg/L	0.0050	0.000036	1	10/12/20 15:15	10/13/20 17:21	7439-92-1	
Lithium	0.0029J	mg/L	0.030	0.00081	1	10/12/20 15:15	10/13/20 17:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/12/20 15:15	10/13/20 17:21	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/12/20 15:15	10/13/20 17:21	7782-49-2	
Thallium	0.00022J	mg/L	0.0010	0.00014	1	10/12/20 15:15	10/13/20 17:21	7440-28-0	
7470 Mercury	-	Method: EPA 7 /tical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 12:10	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 tical Services		e Corners, C	ЭΑ				
Total Dissolved Solids	392	mg/L	10.0	10.0	1		10/08/20 16:07		
300.0 IC Anions 28 Days	•	Method: EPA 3 /tical Services		.1 1993					
Chloride	5.7	mg/L	1.0	0.60	1		10/13/20 22:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/13/20 22:47		
Sulfate	89.1	mg/L	1.0	0.50	1		10/13/20 22:47		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-18	Lab ID:	92499073017	Collecte	ed: 10/07/2	0 12:05	Received: 10/	08/20 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte)					
Performed by	CUSTOME				1		10/08/20 16:12		
рН	R 6.91	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	Analytical	Method: EPA	6010D Pre	paration Me	thod: El	PA 3010A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	GΑ				
Calcium	129	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 20:28	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA	6020B Pre	paration Me	thod: El	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	GΑ				
Antimony	0.0014J	mg/L	0.0030	0.00028	1	10/12/20 15:15	10/13/20 17:44	7440-36-0	
Barium	0.023	mg/L	0.010	0.00071	1	10/12/20 15:15	10/13/20 17:44		
Boron	0.39	mg/L	0.10	0.0052	1	10/12/20 15:15	10/13/20 17:44		
Chromium	ND	mg/L	0.010	0.00055	1	10/12/20 15:15	10/13/20 17:44		
Cobalt	ND	mg/L	0.0050	0.00038	1		10/13/20 17:44		
Lead	0.000042J	mg/L	0.0050	0.000036	1		10/13/20 17:44		
Lithium	0.0030J	mg/L	0.030	0.00081	1		10/13/20 17:44		
Molybdenum	ND	mg/L	0.010	0.00069	1		10/13/20 17:44		
Selenium	ND	mg/L	0.010	0.0016	1		10/13/20 17:44		
Thallium	ND	mg/L	0.0010	0.00014	1		10/13/20 17:44		
7470 Mercury	Analytical	Method: EPA	7470A Pre	paration Met	thod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	GΑ				
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 12:12	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	GΑ				
Total Dissolved Solids	425	mg/L	10.0	10.0	1		10/08/20 16:07		
300.0 IC Anions 28 Days	•	Method: EPA 3							
Chloride	5.0	mg/L	1.0	0.60	1		10/13/20 23:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/13/20 23:01		
Sulfate	87.3	mg/L	1.0	0.50	1		10/13/20 23:01		



Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Sample: PZ-33	Lab ID:	92499073018	Collecte	d: 10/07/20	14:25	Received: 10/	08/20 09:40 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: ytical Services	- Charlotte						
Performed by	CUSTOME R				1		10/08/20 16:12		
рН	7.04	Std. Units			1		10/08/20 16:12		
6010D ATL ICP	-	Method: EPA 6				PA 3010A			
Calcium	94.7	mg/L	1.0	0.070	1	10/09/20 11:20	10/09/20 20:33	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services				PA 3005A			
Antimony	0.00037J	mg/L	0.0030	0.00028	1	10/12/20 15:15	10/13/20 17:49	7440-36-0	
Barium	0.048	mg/L	0.010	0.00071	1	10/12/20 15:15	10/13/20 17:49	7440-39-3	
Boron	0.35	mg/L	0.10	0.0052	1	10/12/20 15:15	10/13/20 17:49	7440-42-8	
Chromium	ND	mg/L	0.010	0.00055	1	10/12/20 15:15	10/13/20 17:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/12/20 15:15	10/13/20 17:49	7440-48-4	
_ead	ND	mg/L	0.0050	0.000036	1	10/12/20 15:15	10/13/20 17:49	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	10/12/20 15:15	10/13/20 17:49	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	10/12/20 15:15	10/13/20 17:49	7439-98-7	
Selenium	ND	mg/L	0.010	0.0016	1	10/12/20 15:15	10/13/20 17:49	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	10/12/20 15:15	10/13/20 17:49	7440-28-0	
7470 Mercury		Method: EPA 7 ytical Services				A 7470A			
Mercury	ND	mg/L	0.00050	0.000078	1	10/12/20 14:30	10/13/20 12:14	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 29 lytical Services		e Corners, 0	ЭΑ				
Total Dissolved Solids	337	mg/L	10.0	10.0	1		10/08/20 16:07		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	2.0	mg/L	1.0	0.60	1		10/13/20 23:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/13/20 23:15		
Sulfate	54.6	mg/L	1.0	0.50	1		10/13/20 23:15		



Project:

MITCHELL CCR

Pace Project No.:

92499073

QC Batch: QC Batch Method: 571861

EPA 3010A

Analysis Method:

EPA 6010D

Analysis Description:

6010D ATL

Laboratory:

Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples:

92499073001, 92499073002, 92499073003, 92499073004, 92499073005, 92499073006, 92499073007,

92499073008, 92499073009

METHOD BLANK: 3028970

Matrix: Water

Associated Lab Samples:

Parameter

92499073001, 92499073002, 92499073003, 92499073004, 92499073005, 92499073006, 92499073007,

92499073008, 92499073009

Blank Result

Reporting Limit

MDL

Analyzed

Qualifiers

Calcium

Units mg/L

ND

1.0

0.070

10/08/20 20:33

LABORATORY CONTROL SAMPLE:

Parameter

3028971

Spike Conc.

LCS Result

LCS % Rec

% Rec Limits

Qualifiers

Calcium

Units mg/L

0.99J

3028973

99 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

3028972

MSD

92498416020

MS Spike Conc.

Spike Conc.

MS MSD Result

MS

MSD % Rec % Rec

Max RPD RPD

Parameter Calcium

Units Result

mg/L

ND

1

Result 1.6 1.6

% Rec 76 76

Limits 75-125

20 0

Qual

Date: 06/03/2021 05:36 PM

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.



Project: MITCHELL CCR

92499073 Pace Project No.:

QC Batch: 572126 QC Batch Method: **EPA 3010A** Analysis Method: **EPA 6010D**

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015, 92499073016, Associated Lab Samples:

92499073017, 92499073018

METHOD BLANK: 3030150

Matrix: Water

Associated Lab Samples: 92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015, 92499073016,

92499073017, 92499073018

Blank Reporting Parameter Limit MDL Qualifiers Units Result Analyzed Calcium mg/L ND 1.0 0.070 10/09/20 18:09

LABORATORY CONTROL SAMPLE: 3030151

Date: 06/03/2021 05:36 PM

LCS LCS % Rec Spike % Rec Limits Qualifiers Parameter Units Conc. Result Calcium mg/L 0.96J 96 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3030152 3030153

MSD MS 92499650004 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 2.2 20 Calcium 1330 ug/L 1 2.3 90 96 75-125 3 mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3030154 3030155

MS MSD MSD 92499466005 Spike Spike MS MS MSD % Rec Max % Rec Parameter Conc. % Rec **RPD** RPD Qual Units Result Conc. Result Result Limits Calcium 1660 ug/L 10.4 10.3 875 860 75-125 2 20 M1 mg/L

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.



Project: MITCHELL CCR

Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

QC Batch: 571587 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92499073001, 92499073002

METHOD BLANK: 3027387 Matrix: Water

Associated Lab Samples: 92499073001, 92499073002

•						
		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Antimony	 mg/L	ND	0.0030	0.00028	10/07/20 18:28	
Barium	mg/L	ND	0.010	0.00071	10/07/20 18:28	
Boron	mg/L	ND	0.10	0.0052	10/07/20 18:28	
Chromium	mg/L	ND	0.010	0.00055	10/07/20 18:28	
Cobalt	mg/L	ND	0.0050	0.00038	10/07/20 18:28	
Lead	mg/L	ND	0.0050	0.000036	10/07/20 18:28	
Lithium	mg/L	ND	0.030	0.00081	10/07/20 18:28	
Molybdenum	mg/L	ND	0.010	0.00069	10/07/20 18:28	
Selenium	mg/L	ND	0.010	0.0016	10/07/20 18:28	
Thallium	mg/L	ND	0.0010	0.00014	10/07/20 18:28	

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	1.0	100	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.10	104	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	

MATRIX SPIKE & MATRIX	SPIKE DUPLIC	CATE: 3027	587		3027588							
			MS	MSD								
	9	2499073002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/L	0.0013J	0.1	0.1	0.11	0.11	111	111	75-125	0	20	
Barium	mg/L	0.0039J	0.1	0.1	0.10	0.10	99	98	75-125	2	20	
Boron	mg/L	0.018J	1	1	0.95	0.94	93	93	75-125	0	20	
Chromium	mg/L	0.0065J	0.1	0.1	0.10	0.11	98	99	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	2	20	
Lithium	mg/L	0.00099J	0.1	0.1	0.097	0.095	96	94	75-125	2	20	
Molybdenum	mg/L	0.00069J	0.1	0.1	0.10	0.10	103	101	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.



QUALITY CONTROL DATA

Project: MITCHELL CCR
Pace Project No.: 92499073

MATRIX SPIKE & MATRIX	SPIKE DUPL	ICATE: 3027	587		3027588							
		92499073002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Selenium	mg/L		0.1	0.1	0.097	0.095	97	95	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	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.



Project: MITCHELL CCR

Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

QC Batch: 572214 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92499073003, 92499073004, 92499073005, 92499073006, 92499073007, 92499073008, 92499073009,

92499073010, 92499073011, 92499073012, 92499073013, 92499073014

METHOD BLANK: 3030726 Matrix: Water

Associated Lab Samples: 92499073003, 92499073004, 92499073005, 92499073006, 92499073007, 92499073008, 92499073009,

92499073010, 92499073011, 92499073012, 92499073013, 92499073014

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00040J	0.0030	0.00028	10/12/20 16:10	
Barium	mg/L	ND	0.010	0.00071	10/12/20 16:10	
Boron	mg/L	ND	0.10	0.0052	10/12/20 16:10	
Chromium	mg/L	ND	0.010	0.00055	10/12/20 16:10	
Cobalt	mg/L	ND	0.0050	0.00038	10/12/20 16:10	
Lead	mg/L	ND	0.0050	0.000036	10/12/20 16:10	
Lithium	mg/L	ND	0.030	0.00081	10/12/20 16:10	
Molybdenum	mg/L	ND	0.010	0.00069	10/12/20 16:10	
Selenium	mg/L	ND	0.010	0.0016	10/12/20 16:10	
Thallium	mg/L	ND	0.0010	0.00014	10/12/20 16:10	

LABORATORY CONTROL SAMPLE:	3030727					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	1	1.0	102	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.093	93	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Lithium	mg/L	0.1	0.098	98	80-120	
Molybdenum	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

MATRIX SPIKE & MATRIX S	PIKE DUPI	ICATE: 3030	728 MS	MSD	3030729	ı						
		92499073004	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	110	75-125	2	20	
Barium	mg/L	0.015	0.1	0.1	0.11	0.11	96	98	75-125	1	20	
Boron	mg/L	0.015J	1	1	0.94	0.94	92	92	75-125	0	20	
Chromium	mg/L	0.00072J	0.1	0.1	0.095	0.097	94	96	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.092	0.094	92	94	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20	
Lithium	mg/L	ND	0.1	0.1	0.091	0.091	91	91	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.



QUALITY CONTROL DATA

Project: MITCHELL CCR
Pace Project No.: 92499073

MATRIX SPIKE & MATRIX S	PIKE DUPL	ICATE: 3030	728		3030729							
Parameter	Units	92499073004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.095	0.098	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.



Project: MITCHELL CCR

Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

QC Batch: 572544 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92499073015, 92499073016, 92499073017, 92499073018

METHOD BLANK: 3032350 Matrix: Water
Associated Lab Samples: 92499073015, 92499073016, 92499073017, 92499073018

Devenuetos	Llaita	Blank	Reporting	MDI	A made made	O
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	10/13/20 16:57	
Barium	mg/L	ND	0.010	0.00071	10/13/20 16:57	
Boron	mg/L	ND	0.10	0.0052	10/13/20 16:57	
Chromium	mg/L	ND	0.010	0.00055	10/13/20 16:57	
Cobalt	mg/L	ND	0.0050	0.00038	10/13/20 16:57	
Lead	mg/L	ND	0.0050	0.000036	10/13/20 16:57	
Lithium	mg/L	ND	0.030	0.00081	10/13/20 16:57	
Molybdenum	mg/L	ND	0.010	0.00069	10/13/20 16:57	
Selenium	mg/L	ND	0.010	0.0016	10/13/20 16:57	
Thallium	mg/L	ND	0.0010	0.00014	10/13/20 16:57	

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	1	0.99	99	80-120	
Chromium	mg/L	0.1	0.096	96	80-120	
Cobalt	mg/L	0.1	0.094	94	80-120	
_ead	mg/L	0.1	0.095	95	80-120	
Lithium	mg/L	0.1	0.10	100	80-120	
Molybdenum	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	

MATRIX SPIKE & MATRIX	SPIKE DUPLIC	ATE: 3032	352		3032353							
			MS	MSD								
	9.	2499073016	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	0	20	
Barium	mg/L	0.074	0.1	0.1	0.17	0.17	93	97	75-125	2	20	
Boron	mg/L	0.30	1	1	1.2	1.2	95	95	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Lithium	mg/L	0.0029J	0.1	0.1	0.098	0.099	95	96	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.099	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: MITCHELL CCR
Pace Project No.: 92499073

MATRIX SPIKE & MATRIX	SPIKE DUPL	ICATE: 3032	352		3032353							
		92499073016	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Selenium	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	0	20	
Thallium	mg/L	0.00022J	0.1	0.1	0.092	0.091	92	91	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.



Project:

MITCHELL CCR

Pace Project No.:

92499073

QC Batch: QC Batch Method: 571445

EPA 7470A

Analysis Method:

EPA 7470A

Analysis Description:

7470 Mercury

Laboratory:

Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples:

92499073001, 92499073002, 92499073003, 92499073004, 92499073005, 92499073006, 92499073007,

92499073008, 92499073009

METHOD BLANK: 3026513

Matrix: Water

Associated Lab Samples:

92499073001, 92499073002, 92499073003, 92499073004, 92499073005, 92499073006, 92499073007,

92499073008, 92499073009

Blank Result

Reporting Limit

MDL

Analyzed

Qualifiers

Mercury

Units mg/L

ND

0.00050

0.000078

10/07/20 19:25

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

3026514

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Mercury

mg/L

Units

0.0025

0.0026

103

80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

3026515

MSD

92498944001 Result

1.3 ug/L

Spike

MSD Result

0.0035

MSD

% Rec

Max RPD RPD

Parameter Mercury

Units

mg/L

MS Spike Conc.

Conc. 0.0025 0.0025

Result 0.0036

MS

3026516

% Rec

MS

93

% Rec 90 Limits

75-125

2 20

Qual

Date: 06/03/2021 05:36 PM

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Project:

MITCHELL CCR

Pace Project No.:

92499073

QC Batch: QC Batch Method: 572203

EPA 7470A

Analysis Method:

EPA 7470A

Analysis Description:

7470 Mercury

Laboratory:

Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples:

92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015, 92499073016,

92499073017, 92499073018

METHOD BLANK: 3030665

Matrix: Water

Associated Lab Samples:

92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015, 92499073016,

92499073017, 92499073018

Blank Result Reporting Limit

MDL

Analyzed

Qualifiers

Mercury

Units

mg/L

mg/L

ND

0.00050

0.000078

10/13/20 11:08

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Date: 06/03/2021 05:36 PM

Parameter

3030666

Units

Units

Spike

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Mercury

mg/L

Conc. 0.0025

0.0025

99

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

3030667

MSD

MS 92499650004

Spike Spike Conc. Conc.

MS Result

3030668

MSD

MSD % Rec

80-120

% Rec

Max RPD

Mercury

0.32 ug/L

0.0025

0.0025

Result 0.0028 % Rec 99 Limits

RPD

Result

0.0028

MS

97

75-125

2 20 Qual

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REPORT OF LABORATORY ANALYSIS

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Project:

MITCHELL CCR

Pace Project No.:

92499073

QC Batch: QC Batch Method: 571195

SM 2540C-2011

Analysis Method:

SM 2540C-2011

Analysis Description:

2540C Total Dissolved Solids

Laboratory:

Pace Analytical Services - Peachtree Corners, GA

92499073001, 92499073002, 92499073003, 92499073004, 92499073005, 92499073006, 92499073007,

92499073008, 92499073009

METHOD BLANK: 3025332

Associated Lab Samples:

Matrix: Water

Associated Lab Samples:

92499073001, 92499073002, 92499073003, 92499073004, 92499073005, 92499073006, 92499073007,

92499073008, 92499073009

Blank Result Reporting Limit

Analyzed

Qualifiers

Total Dissolved Solids

Units mg/L

Units

mg/L

mg/L

ND

10.0

10.0 10/07/20 14:56

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Parameter

3025333

Spike

LCS Result LCS

% Rec

MDL

% Rec Limits

Total Dissolved Solids

mg/L

Conc. 400

339

22.0

85

20

1

Qualifiers

SAMPLE DUPLICATE: 3025334

Total Dissolved Solids

Units

92498617001 Result

18.0

241

Dup Result

RPD

Max **RPD**

84-108

10

Qualifiers 10 D6

SAMPLE DUPLICATE:

Total Dissolved Solids

Date: 06/03/2021 05:36 PM

3026975

Parameter Units

92499073007 Result

Dup Result 243

RPD

Max RPD

Qualifiers

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REPORT OF LABORATORY ANALYSIS

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Project: MITCHELL CCR

Pace Project No.: 92499073

Total Dissolved Solids

Date: 06/03/2021 05:36 PM

QC Batch: 571887 Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015, 92499073016,

92499073017, 92499073018

METHOD BLANK: 3029110 Matrix: Water

Associated Lab Samples: 92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015, 92499073016,

92499073017, 92499073018

mg/L

Blank Reporting Parameter Units Limit MDL Qualifiers Result Analyzed mg/L **Total Dissolved Solids** ND 10.0 10.0 10/08/20 16:05 LABORATORY CONTROL SAMPLE: 3029111 LCS LCS % Rec Spike Parameter Units Result % Rec Limits Qualifiers Conc. **Total Dissolved Solids** mg/L 400 422 106 84-108 SAMPLE DUPLICATE: 3029112 92499390001 Dup Max **RPD RPD** Parameter Units Result Result Qualifiers 402 438 9 10 **Total Dissolved Solids** mg/L SAMPLE DUPLICATE: 3029113 92499073014 Dup Max RPD RPD Parameter Units Result Result Qualifiers

492

495

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.



Project: MITCHELL CCR

Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

QC Batch: 571784 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: 92499073001, 92499073002, 92499073003

METHOD BLANK: 3028427 Matrix: Water

Associated Lab Samples: 92499073001, 92499073002, 92499073003

LABORATORY CONTROL CAMPLE: 2020420

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/09/20 11:29	
Fluoride	mg/L	ND	0.10	0.050	10/09/20 11:29	
Sulfate	mg/L	ND	1.0	0.50	10/09/20 11:29	

LABORATORY CONTROL SAMPLE.	3020420					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L	50	49.0	98	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	48.5	97	90-110	

MATRIX SPIKE & MATRIX SP	3028432											
			MS	MSD								
		92499192001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	38.6	50	50	87.6	87.9	98	99	90-110	0	10	
Fluoride	mg/L	0.57	2.5	2.5	3.0	3.0	98	99	90-110	1	10	
Sulfate	mg/L	309	50	50	353	353	87	87	90-110	0	10	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3028439 3028440												
			MS	MSD								
		92499349001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	8.6	50	50	57.4	57.1	98	97	90-110	1	10	
Fluoride	mg/L	0.34	2.5	2.5	2.7	2.7	96	96	90-110	0	10	
Sulfate	mg/L	18.9	50	50	67.9	67.5	98	97	90-110	1	10	

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Project: MITCHELL CCR

Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

QC Batch: 572104 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: 92499073004, 92499073005, 92499073006, 92499073007, 92499073008

METHOD BLANK: 3030077 Matrix: Water

Associated Lab Samples: 92499073004, 92499073005, 92499073006, 92499073007, 92499073008

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/09/20 12:59	
Fluoride	mg/L	ND	0.10	0.050	10/09/20 12:59	
Sulfate	mg/L	ND	1.0	0.50	10/09/20 12:59	

LABORATORY CONTROL SAMPLE:	3030078					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L	50	51.3	103	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SP	IKE DUPLI	ICATE: 3030	079		3030080							
		92499205001	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
		3243320300 I	Spike	Spike	IVIO	IVISD	IVIO	IVISD	70 NEC		IVIAX	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	3.7	50	50	55.7	58.2	104	109	90-110	4	10	
Fluoride	mg/L	0.34	2.5	2.5	3.0	3.1	106	111	90-110	4	10	M1
Sulfate	mg/L	1080	50	50	1120	1110	76	50	90-110	1	10	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3030081 3030082												
			MS	MSD								
		92498983001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	125	50	50	180	174	110	98	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.1	2.1	83	84	90-110	2	10	M1
Sulfate	mg/L	21.6	50	50	74.6	75.1	106	107	90-110	1	10	

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Project: MITCHELL CCR

LABORATORY CONTROL CAMPLE: 2020004

Date: 06/03/2021 05:36 PM

Pace Project No.: 92499073

QC Batch: 572105 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: 92499073009, 92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015

METHOD BLANK: 3030083 Matrix: Water

Associated Lab Samples: 92499073009, 92499073010, 92499073011, 92499073012, 92499073013, 92499073014, 92499073015

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/09/20 21:30	
Fluoride	mg/L	ND	0.10	0.050	10/09/20 21:30	
Sulfate	mg/L	ND	1.0	0.50	10/09/20 21:30	

LABORATORY CONTROL SAMPLE.	3030064					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L	50	52.8	106	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	53.0	106	90-110	

MATRIX SPIKE & MATRIX SP	IKE DUPLI	ICATE: 3030	085		3030086							
			MS	MSD								
		92499073009	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	6.4	50	50	60.6	61.0	108	109	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	109	110	90-110	1	10	
Sulfate	mg/L	42.4	50	50	96.3	96.7	108	109	90-110	0	10	

MATRIX SPIKE & MATRIX SP	IKE DUPL	ICATE: 3030	087		3030088							
			MS	MSD								
		92499354001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	58.4	50	50	103	103	89	90	90-110	1	10	M1
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	107	109	90-110	2	10	
Sulfate	mg/L	39.1	50	50	92.8	93.5	107	109	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.



Project: MITCHELL CCR

Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

QC Batch: 572380 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: 92499073016, 92499073017, 92499073018

METHOD BLANK: 3031544 Matrix: Water

Associated Lab Samples: 92499073016, 92499073017, 92499073018

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/11/20 00:03	
Fluoride	mg/L	ND	0.10	0.050	10/11/20 00:03	
Sulfate	mg/L	ND	1.0	0.50	10/11/20 00:03	

LABORATORY CONTROL SAMPLE: 3031545 Spike LCS LCS % Rec Qualifiers Units Conc. Result % Rec Limits Parameter Chloride 50 49.5 99 90-110 mg/L Fluoride mg/L 2.5 2.5 99 90-110 mg/L Sulfate 50 49.1 98 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3031546 3031547 MS MSD 92499810001 MSD Spike Spike MS MS MSD % Rec Max Qual Parameter Conc. % Rec % Rec **RPD** RPD Units Result Conc. Result Result Limits Chloride 10.2 50 50 62.9 62.6 105 105 90-110 1 10 mg/L mg/L Fluoride ND 2.5 2.5 2.6 2.6 101 103 90-110 2 10 Sulfate mg/L 5.4 50 50 56.9 57.3 103 104 90-110 10 1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3031548 3031549 MS MSD 92499831001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Chloride mg/L 6.6 50 50 58.5 59.1 104 105 90-110 10 Fluoride mg/L ND 2.5 2.5 2.5 2.6 100 102 90-110 2 10 Sulfate mg/L 9.7 50 50 61.1 61.6 103 104 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.



QUALIFIERS

Project: MITCHELL CCR
Pace Project No.: 92499073

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 06/03/2021 05:36 PM

B Analyte was detected in the associated method blank.

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.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
2499073002	PZ-2D			_	
2499073004	PZ-32				
2499073005	PZ-1D				
2499073006	PZ-31				
2499073007	PZ-14				
2499073008	PZ-23A				
2499073009	PZ-16				
2499073010	PZ-25				
2499073012	PZ-7D				
2499073013	PZ-15				
2499073014	PZ-19				
2499073016	PZ-17				
2499073017	PZ-18				
2499073018	PZ-33				
2499073001	EB-01	EPA 3010A	571861	EPA 6010D	571912
2499073002	PZ-2D	EPA 3010A	571861	EPA 6010D	571912
2499073003	FB-01	EPA 3010A	571861	EPA 6010D	571912
2499073004	PZ-32	EPA 3010A	571861	EPA 6010D	571912
2499073005	PZ-1D	EPA 3010A	571861	EPA 6010D	571912
499073006	PZ-31	EPA 3010A	571861	EPA 6010D	571912
2499073007	PZ-14	EPA 3010A	571861	EPA 6010D	571912
2499073008	PZ-23A	EPA 3010A	571861	EPA 6010D	571912
2499073009	PZ-16	EPA 3010A	571861	EPA 6010D	571912
2499073010	PZ-25	EPA 3010A	572126	EPA 6010D	572182
2499073011	FD-02	EPA 3010A	572126	EPA 6010D	572182
499073012	PZ-7D	EPA 3010A	572126	EPA 6010D	572182
499073013	PZ-15	EPA 3010A	572126	EPA 6010D	572182
499073014	PZ-19	EPA 3010A	572126	EPA 6010D	572182
499073015	FD-01	EPA 3010A	572126	EPA 6010D	572182
499073016	PZ-17	EPA 3010A	572126	EPA 6010D	572182
2499073017	PZ-18	EPA 3010A	572126	EPA 6010D	572182
499073018	PZ-33	EPA 3010A	572126	EPA 6010D	572182
2499073001	EB-01	EPA 3005A	571587	EPA 6020B	571622
2499073002	PZ-2D	EPA 3005A	571587	EPA 6020B	571622
2499073003	FB-01	EPA 3005A	572214	EPA 6020B	572248
2499073004	PZ-32	EPA 3005A	572214	EPA 6020B	572248
2499073005	PZ-1D	EPA 3005A	572214	EPA 6020B	572248
499073006	PZ-31	EPA 3005A	572214	EPA 6020B	572248
499073007	PZ-14	EPA 3005A	572214	EPA 6020B	572248
499073008	PZ-23A	EPA 3005A	572214	EPA 6020B	572248
499073009	PZ-16	EPA 3005A	572214	EPA 6020B	572248
499073010	PZ-25	EPA 3005A	572214	EPA 6020B	572248
499073011	FD-02	EPA 3005A	572214	EPA 6020B	572248
499073012	PZ-7D	EPA 3005A	572214	EPA 6020B	572248
499073013	PZ-15	EPA 3005A	572214	EPA 6020B	572248
2499073014	PZ-19	EPA 3005A	572214	EPA 6020B	572248



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL CCR
Pace Project No.: 92499073

Date: 06/03/2021 05:36 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92499073015	FD-01	EPA 3005A	572544	EPA 6020B	572619
2499073016	PZ-17	EPA 3005A	572544	EPA 6020B	572619
2499073017	PZ-18	EPA 3005A	572544	EPA 6020B	572619
2499073018	PZ-33	EPA 3005A	572544	EPA 6020B	572619
2499073001	EB-01	EPA 7470A	571445	EPA 7470A	571630
92499073002	PZ-2D	EPA 7470A	571445	EPA 7470A	571630
2499073003	FB-01	EPA 7470A	571445	EPA 7470A	571630
2499073004	PZ-32	EPA 7470A	571445	EPA 7470A	571630
2499073005	PZ-1D	EPA 7470A	571445	EPA 7470A	571630
2499073006	PZ-31	EPA 7470A	571445	EPA 7470A	571630
2499073007	PZ-14	EPA 7470A	571445	EPA 7470A	571630
2499073008	PZ-23A	EPA 7470A	571445	EPA 7470A	571630
2499073009	PZ-16	EPA 7470A	571445	EPA 7470A	571630
2499073010	PZ-25	EPA 7470A	572203	EPA 7470A	572641
)2499073010)2499073011	FD-02	EPA 7470A EPA 7470A	572203	EPA 7470A EPA 7470A	572641 572641
2499073012	PZ-7D	EPA 7470A	572203	EPA 7470A	572641
2499073013	PZ-15	EPA 7470A	572203	EPA 7470A	572641
2499073014	PZ-19	EPA 7470A	572203	EPA 7470A	572641
2499073015	FD-01	EPA 7470A	572203	EPA 7470A	572641
2499073016	PZ-17	EPA 7470A	572203	EPA 7470A	572641
2499073017	PZ-18	EPA 7470A	572203	EPA 7470A	572641
2499073018	PZ-33	EPA 7470A	572203	EPA 7470A	572641
2499073001	EB-01	SM 2540C-2011	571195		
2499073002	PZ-2D	SM 2540C-2011	571195		
2499073003	FB-01	SM 2540C-2011	571195		
2499073004	PZ-32	SM 2540C-2011	571195		
2499073005	PZ-1D	SM 2540C-2011	571195		
2499073006	PZ-31	SM 2540C-2011	571195		
2499073007	PZ-14	SM 2540C-2011	571195		
2499073008	PZ-23A	SM 2540C-2011	571195		
2499073009	PZ-16	SM 2540C-2011	571195		
2499073010	PZ-25	SM 2540C-2011	571887		
2499073011	FD-02	SM 2540C-2011	571887		
2499073012	PZ-7D	SM 2540C-2011	571887		
2499073013	PZ-15	SM 2540C-2011	571887		
2499073014	PZ-19	SM 2540C-2011	571887		
2499073015	FD-01	SM 2540C-2011	571887		
2499073016	PZ-17	SM 2540C-2011	571887		
2499073017	PZ-18	SM 2540C-2011	571887		
2499073018	PZ-33	SM 2540C-2011	571887		
2499073001	EB-01	EPA 300.0 Rev 2.1 1993	571784		
2499073002	PZ-2D	EPA 300.0 Rev 2.1 1993	571784		
2499073003	FB-01	EPA 300.0 Rev 2.1 1993	571784		
	PZ-32				
2499073004		EPA 300.0 Rev 2.1 1993	572104 572104		
92499073005	PZ-1D	EPA 300.0 Rev 2.1 1993	572104		
92499073006	PZ-31	EPA 300.0 Rev 2.1 1993	572104		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL CCR
Pace Project No.: 92499073

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92499073007	PZ-14	EPA 300.0 Rev 2.1 1993	572104		
92499073008	PZ-23A	EPA 300.0 Rev 2.1 1993	572104		
92499073009	PZ-16	EPA 300.0 Rev 2.1 1993	572105		
92499073010	PZ-25	EPA 300.0 Rev 2.1 1993	572105		
92499073011	FD-02	EPA 300.0 Rev 2.1 1993	572105		
92499073012	PZ-7D	EPA 300.0 Rev 2.1 1993	572105		
92499073013	PZ-15	EPA 300.0 Rev 2.1 1993	572105		
92499073014	PZ-19	EPA 300.0 Rev 2.1 1993	572105		
92499073015	FD-01	EPA 300.0 Rev 2.1 1993	572105		
92499073016	PZ-17	EPA 300.0 Rev 2.1 1993	572380		
92499073017	PZ-18	EPA 300.0 Rev 2.1 1993	572380		
92499073018	PZ-33	EPA 300.0 Rev 2.1 1993	572380		

Sample Condition Upon Receipt

rrier: Fed Ex UPS USPS Clier cking #: stody Seal on Cooler/Box Present: Yes cking Material: Bubble Wrep Bubble ermometer Used 230	no Seals in	tact: yes	9073
cking Material: Bubble Wrap Bubble	Bags None Z		1
ermometer Used 230	_	Other 7.1	
		A	plock
. A	Type of Ice: Wet		Samples on ice, cooling process has begun Date and Initials of person examining
oler Temperature	Biological Tissue is	Frozen: Yes No	contents:
np should be above freezing to 6°C		comments:	
ain of Custody Present:	ØYes □No □N/A 1		
ain of Custody Filled Out:	Yes ONO ONIA 2	1.	
ain of Custody Relinquished:	Yes ONO ON/A	3.	
mpler Name & Signature on COC:	ØYes □No □N/A		
mples Arrived within Hold Time:	Yes ONO ON/A	5.	
ort Hold Time Analysis (<72hr):	□Yes \$\textstyle \textstyle \tex	6.	
sh Turn Around Time Requested:	□Yes ☑No □N/A	7.	
fficient Volume:	ØYes □No □N/A.	8.	
orrect Containers Used:	ØYes □No □N/A	9.	
-Pace Containers Used:	Øyes □No □N/A		
ontainers Intact:	Øyes □No □N/A	10.	
Itered volume received for Dissolved tests	Dyes DNo DNA	11.	
ample Labels match COC:	res, □No □N/A	12.	
-Includes date/time/ID/Analysis Matrix:	WI/GW_		
containers needing preservation have been checked.	DYes □No □N/A	13.	
I containers needing preservation are found to be in ompliance with EPA recommendation.	Yes ONO ON/A		
(ceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	□Yes □No	Initial when completed	Lot # of added preservative
amples checked for dechlorination:	□Yes □No 万N/A	14.	
leadspace in VOA Vials (>6mm):	□Yes □No ØN/A	15.	
rip Blank Present:	OYES MO ONIA	16.	7
rip Blank Custody Seals Present	□Yes □No DNIA	1	
Pace Trip Blank Lot # (if purchased):			
			Field Data Required? Y / N
Client Notification/ Resolution:	Date	/Time:	
Person Contacted:		4.7	
Comments/ Resolution:	*	_	

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR 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.

Fee Ex 41.0011# タバナルタイチのサードのがいます。

	RELINOSASPIED ST / AFFILMITON				PZ-16	P2-23A	P2-14	P2-31	P2-1D	P2-32	FB-Ø1	PZ-2D	EB-OI	SAMPLE ID Character per box. (A-Z, 0-8), -) Sample ids must be unique Cross	MATRIX Problem Mana	Requested Due Date: < > > > Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T Project D T A T P T Project D T A T P T P Project D T A T P T P P T P T P T P T P T P T P T		nco.com	2480 Maner Road	oal Combustion Residuals
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CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

		2007	12	1	ō	9	8	7	o	G.	•	8	2		ITEM#		Requester	Phone:	Email:	Adoress	Company	Required
	Co PL Li Ha Mo	TIN METALS. BG.S	Авоттойал сомиентв			PZ-33	D2-18	F3-17	FD-01	PZ-19	PZ-15	Q4-78	FD-02	PZ-25	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample ids must be unique		Requested Due Date:	(404)506-7239 Fax:	jabraham@southernco.com	Atlanta GA 30339		₹
	(1.3)	5. Bo 18				di u	<u> </u>	Ø≥	2	93	4	60		£	COCCUACT CAN CAN CAN CAN CAN CAN CAN CAN CAN CAN		Project #:	Project Name:	Purchase Order #	Copy Io: W		Required Pro
SAMPLER). PRINT SIGNAT		and the Chill	NOTING BY / AFFILM TION			1 6 4/2/2014:23	50:21 DCH/N 5 MM	361 GPH2210:35	1 C 0/4/20 -	855/26/46 5/mg	Ship Potted Sime	5.21 of the 2 mg	Sw Gropp -	05:160 02/4 Sa Sa	MATRIX CODE (see valid codes of SAMPLE TYPE (G=GRAB C=CC	OMP)		Plant Mitchell CCR		Wood PLC	Joju Abraham	ct information:
SAMPLER NAME AND BIGNATURE PRINT Name of SAMPLEB. SIGNATURE of SAMPLER:	$\overline{}$	24:9/ 02-4-02 Rosestraga	GEV.	000	2	F	10,1	N. I.	S	<u>^</u>	52	5 2	8	5	SAMPLE TEMP AT COLLECTION # OF CONTAINERS Unpreserved		Pace F	Pace F	Pace Qu	Compa	Attention:	hyoice in
AMAN Pa		to M	Accept			<u>S</u>	2 3	2	N	2 3	2 3	2 3	2	2 3	H2SO4 HNO3 HCI NaOH Na2S2O3 Methanol	,	Pace Profile #: 333,1.2	anager: b	uote:	Company Name:	scsinvoices(Invoice information:
RAN DATE Signed;		Have	COEFTED BY / AFFILIATION			1114	2111		1-1-1-26 0	211	2111	211	211	2111	Other	//N Negueste	The second secon	etsy.mcdaniel@pacelabs.com,			@southernco.com	
6-72020		10/8/2 O946	DATE TIME													Requested Analysis Filtered (Y/N)	The state of the s	からなると		12.00 (0.00	ŀ	
TEMP in C Received on Ice (Y/N) Custody Sealed		1 (121) 01	SAMPLE CONDITIONS			7.04	6.91	40,4		84.9	7.71	86.9	6,95	6.95	Residual Chlorine (Y/N)		GA	100	Regulatory Agency			Page: Of
Cooler (Y/N) Samples Intact (Y/N)		K	TO SE				(Exign Col					,	Romple H			- CARRESTAN		The second secon		Pac





June 03, 2021

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

RE: Project: MITCHELL CCR RADS Pace Project No.: 92499068

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between October 07, 2020 and October 08, 2020. 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,

Kevin Herring kevin.herring@pacelabs.com 1(704)875-9092

Ken Lung

HORIZON Database Administrator

Enclosures

cc: Joju Abraham, Georgia Power-CCR Kristen Jurinko Ms. Lauren Petty, Southern Company Rhonda Quinn, WOOD E&I Greg Wrenn, WOOD E&I





CERTIFICATIONS

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

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 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

Missouri Certification #: 235

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 #: 9526 Washington Certification #: C868 West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad Wyoming Certification #: 8TMS-L



SAMPLE SUMMARY

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92499068001	EB-01	Water	10/06/20 10:45	10/07/20 09:37
92499068002	PZ-2D	Water	10/06/20 12:20	10/07/20 09:37
92499068003	FB-01	Water	10/06/20 12:55	10/07/20 09:37
92499068004	PZ-32	Water	10/06/20 15:00	10/07/20 09:37
92499068005	PZ-1D	Water	10/06/20 12:00	10/07/20 09:37
92499068006	PZ-31	Water	10/06/20 14:55	10/07/20 09:37
92499068007	PZ-14	Water	10/06/20 11:30	10/07/20 09:37
92499068008	PZ-23A	Water	10/06/20 14:25	10/07/20 09:37
92499068009	PZ-16	Water	10/06/20 16:15	10/07/20 09:37
92499068010	PZ-25	Water	10/07/20 09:50	10/08/20 09:40
92499068011	FD-02	Water	10/07/20 00:00	10/08/20 09:40
92499068012	PZ-7D	Water	10/07/20 12:30	10/08/20 09:40
92499068013	PZ-15	Water	10/07/20 14:45	10/08/20 09:40
92499068014	PZ-19	Water	10/07/20 15:58	10/08/20 09:40
92499068015	FD-01	Water	10/07/20 00:00	10/08/20 09:40
92499068016	PZ-17	Water	10/07/20 10:35	10/08/20 09:40
92499068017	PZ-18	Water	10/07/20 12:05	10/08/20 09:40
92499068018	PZ-33	Water	10/07/20 14:25	10/08/20 09:40



SAMPLE ANALYTE COUNT

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92499068001	EB-01	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068002	PZ-2D	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068003	FB-01	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068004	PZ-32	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068005	PZ-1D	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068006	PZ-31	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068007	PZ-14	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068008	PZ-23A	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068009	PZ-16	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068010	PZ-25	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068011	FD-02	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068012	PZ-7D	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068013	PZ-15	EPA 9315	LAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068014	PZ-19	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068015	FD-01	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068016	PZ-17	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068017	PZ-18	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92499068018	PZ-33	EPA 9315	LAL	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab Sample ID	Client Sample ID					
Method	Parameters —	Result —	Units	Report Limit	Analyzed	Qualifiers
92499068001	EB-01					
EPA 9315	Radium-226	0.0778 ±	pCi/L		10/16/20 06:56	
		0.159				
		(0.369) C:84% T:NA				
EPA 9320	Radium-228	1.45 ±	pCi/L		10/21/20 14:50	
		0.589 (0.934)				
		C:67%				
Fotal Dadium Coloulation	Total Dadium	T:77% 1.53 ±	»C:/I		40/02/00 40:04	
Total Radium Calculation	Total Radium	0.748	pCi/L		10/23/20 10:21	
		(1.30)				
2499068002	PZ-2D					
EPA 9315	Radium-226	0.0659 ±	pCi/L		10/16/20 06:56	
		0.161 (0.390)				
		C:81% T:NA				
EPA 9320	Radium-228	0.863 ±	pCi/L		10/21/20 14:50	
		0.660 (1.31)				
		C:52%				
Fatal Dadium Calaulatian	Total Dadium	T:80% 0.929 ±	- C:/I		40/00/00 40:04	
Total Radium Calculation	Total Radium	0.821	pCi/L		10/23/20 10:21	
		(1.70)				
2499068003	FB-01					
EPA 9315	Radium-226	-0.0382 ±	pCi/L		10/16/20 06:56	
		0.0986 (0.364)				
		C:90% T:NA				
EPA 9320	Radium-228	0.783 ±	pCi/L		10/21/20 14:51	
		0.590 (1.17)				
		C:66%				
Total Radium Calculation	Total Radium	T:70% 0.783 ±	»C:/I		10/23/20 10:21	
Total Radium Calculation	Total Radium	0.689	pCi/L		10/23/20 10.21	
		(1.53)				
2499068004	PZ-32					
EPA 9315	Radium-226	0.0478 ±	pCi/L		10/16/20 08:35	
		0.165 (0.425)				
		C:82% T:NA				
EPA 9320	Radium-228	0.323 ±	pCi/L		10/21/20 14:51	
		0.416 (0.886)				
		C:72%				
Total Radium Calculation	Total Radium	T:84% 0.371 ±	nCi/l		10/23/20 10:21	
Julai Radium Calculation	iotai Kaulum	0.371 ± 0.581	pCi/L		10/23/20 10:21	
		(1.31)				

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

₋ab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2499068005	PZ-1D					
EPA 9315	Radium-226	0.278 ±	pCi/L		10/16/20 08:35	
		0.234				
		(0.380) C:81% T:NA				
EPA 9320	Radium-228	0.718 ±	pCi/L		10/21/20 14:51	
		0.482 (0.921)				
		C:64%				
		T:81%				
Total Radium Calculation	Total Radium	0.996 ± 0.716	pCi/L		10/23/20 10:21	
		(1.30)				
2499068006	PZ-31					
EPA 9315	Radium-226	0.0313 ±	pCi/L		10/16/20 08:35	
		0.149	•			
		(0.403) C:78% T:NA				
EPA 9320	Radium-228	0.245 ±	pCi/L		10/21/20 14:51	
		0.379	·			
		(0.820) C:71%				
		T:86%				
Total Radium Calculation	Total Radium	0.276 ±	pCi/L		10/23/20 10:21	
		0.528 (1.22)				
2499068007	PZ-14	,				
EPA 9315	Radium-226	0.220 ±	pCi/L		10/16/20 08:36	
		0.226				
		(0.426) C:85% T:NA				
EPA 9320	Radium-228	0.0452 ±	pCi/L		10/21/20 14:51	
		0.588	F			
		(1.35) C:59%				
		T:71%				
Total Radium Calculation	Total Radium	0.265 ±	pCi/L		10/23/20 10:21	
		0.814 (1.78)				
2499068008	PZ-23A	(1.70)				
EPA 9315	Radium-226	0.644 ±	pCi/L		10/16/20 08:37	
	. tadidiri EEO	0.354	PO"L		. 5, 15,25 00.01	
		(0.495)				
EPA 9320	Radium-228	C:83% T:NA 0.596 ±	pCi/L		10/21/20 14:51	
	. tadidiii EEO	0.456	PO"L		.5/21/20 17.01	
		(0.904)				
		C:72% T:82%				
Total Radium Calculation	Total Radium	1.24 ±	pCi/L		10/23/20 10:21	
		0.810				

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2499068009	PZ-16					
EPA 9315	Radium-226	0.161 ±	pCi/L	10/	16/20 08:37	
		0.191 (0.363)				
		C:80% T:NA				
EPA 9320	Radium-228	0.958 ±	pCi/L	10/2	21/20 14:51	
		0.477 (0.832)				
		C:70%				
		T:82%	0.4			
Total Radium Calculation	Total Radium	1.12 ± 0.668	pCi/L	10/2	23/20 10:21	
		(1.20)				
2499068010	PZ-25					
EPA 9315	Radium-226	0.439 ±	pCi/L	10/	19/20 18:23	
		0.164				
		(0.222) C:91% T:NA				
EPA 9320	Radium-228	0.568 ±	pCi/L	10/2	27/20 15:00	
		0.418				
		(0.818) C:70%				
		T:89%				
Total Radium Calculation	Total Radium	1.01 ±	pCi/L	10/2	28/20 15:13	
		0.582 (1.04)				
2499068011	FD-02	,				
EPA 9315	Radium-226	0.376 ±	pCi/L	10/	19/20 18:23	
		0.148				
		(0.202) C:89% T:NA				
EPA 9320	Radium-228	0.584 ±	pCi/L	10/	27/20 15:00	
		0.506	P 0	. 0/.		
		(1.03)				
		C:67% T:82%				
Total Radium Calculation	Total Radium	0.960 ±	pCi/L	10/2	28/20 15:13	
		0.654 (1.23)				
2499068012	PZ-7D	(1.20)				
EPA 9315	Radium-226	0.0454 ±	pCi/L	10/-	19/20 18:23	
_1 A 33 13	Naululli-220	0.112	PO//L	10/	10/20 10.23	
		(0.226)				
EPA 9320	Radium-228	C:91% T:NA 0.187 ±	pCi/L	10/	27/20 15:00	
_1 A 3020	Naululli-220	0.505	PO//L	10/2	L1/20 10.00	
		(1.13)				
		C:64% T:79%				
Total Radium Calculation	Total Radium	0.232 ±	pCi/L	10/2	28/20 15:13	
201001011		0.617	F = " =	10/1		
		(1.36)				

REPORT OF LABORATORY ANALYSIS



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92499068013	PZ-15					
EPA 9315	Radium-226	0.251 ± 0.152	pCi/L		10/19/20 18:12	
		(0.252)				
EPA 9320	Radium-228	C:84% T:NA 0.967 ±	pCi/L		10/27/20 15:01	
LI A 0020	Nadidili 220	0.548	po//L		10/21/20 13.01	
		(1.00) C:66%				
		T:81%				
Total Radium Calculation	Total Radium	1.22 ±	pCi/L		10/28/20 15:13	
		0.700				
2400069044	D7 40	(1.25)				
2499068014 	PZ-19	0.517 -	»C://		40/40/90 40:40	
EPA 9315	Radium-226	0.517 ± 0.178	pCi/L		10/19/20 18:13	
		(0.226)				
		C:87% T:NA				
EPA 9320	Radium-228	0.376 ± 0.326	pCi/L		10/30/20 10:54	
		(0.655)				
		C:84%				
		T:80%				
otal Radium Calculation	Total Radium	0.893 ± 0.504	pCi/L		11/01/20 12:49	
		(0.881)				
2499068015	FD-01					
EPA 9315	Radium-226	0.595 ±	pCi/L		10/19/20 18:14	
		0.204				
		(0.280) C:91% T:NA				
EPA 9320	Radium-228	0.492 ±	pCi/L		10/27/20 14:59	
		0.345	P 0		10/21/20 1 1100	
		(0.655)				
		C:70% T:88%				
Total Radium Calculation	Total Radium	1.00 /s	pCi/L		10/28/20 15:13	
		0.549	•			
		(0.935)				
2499068016	PZ-17					
EPA 9315	Radium-226	0.374 ±	pCi/L		10/19/20 18:15	
		0.149 (0.204)				
		C:90% T:NA				
EPA 9320	Radium-228	0.0584 ±	pCi/L		10/27/20 14:59	
		0.354 (0.818)				
		(0.818) C:65%				
		T:82%				
Total Radium Calculation	Total Radium	0.432 ±	pCi/L		10/28/20 15:13	
		0.503 (1.02)				



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92499068017	PZ-18					
EPA 9315	Radium-226	0.365 ± 0.182 (0.292) C:81% T:NA	pCi/L		10/19/20 18:15	
EPA 9320	Radium-228	-0.0286 ± 0.365 (0.861) C:68% T:81%	pCi/L		10/27/20 14:59	
Total Radium Calculation	Total Radium	0.365 ± 0.547 (1.15)	pCi/L		10/28/20 15:13	
92499068018	PZ-33					
EPA 9315	Radium-226	0.442 ± 0.169 (0.233) C:86% T:NA	pCi/L		10/19/20 17:55	
EPA 9320	Radium-228	-0.0127 ± 0.311 (0.730) C:73% T:83%	pCi/L		10/27/20 11:52	
Total Radium Calculation	Total Radium	0.442 ± 0.480 (0.963)	pCi/L		10/28/20 15:13	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: EB-01 PWS:	Lab ID: 92499 Site ID:	O068001 Collected: 10/06/20 10:45 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0778 ± 0.159 (0.369) C:84% T:NA	pCi/L	10/16/20 06:50	6 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	1.45 ± 0.589 (0.934) C:67% T:77%	pCi/L	10/21/20 14:50	0 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.53 ± 0.748 (1.30)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-2D PWS:	Lab ID: 9249906 Site ID:	8002 Collected: 10/06/20 12:20 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Ser	vices - Greensburg				
Radium-226	EPA 9315	0.0659 ± 0.161 (0.390) C:81% T:NA	pCi/L	10/16/20 06:56	6 13982-63-3	
	Pace Analytical Ser	vices - Greensburg				
Radium-228	EPA 9320	0.863 ± 0.660 (1.31) C:52% T:80%	pCi/L	10/21/20 14:50	0 15262-20-1	
	Pace Analytical Ser	vices - Greensburg				
Total Radium	Total Radium Calculation	0.929 ± 0.821 (1.70)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: FB-01 PWS:	Lab ID: 9249 Site ID:	9068003 Collected: 10/06/20 12:55 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	-0.0382 ± 0.0986 (0.364) C:90% T:NA	pCi/L	10/16/20 06:5	6 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.783 ± 0.590 (1.17) C:66% T:70%	pCi/L	10/21/20 14:5	1 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.783 ± 0.689 (1.53)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-32 PWS:	Lab ID: 9249906 Site ID:	Sample Type: 10/06/20 15:00	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Ser	rvices - Greensburg				
Radium-226	EPA 9315	0.0478 ± 0.165 (0.425) C:82% T:NA	pCi/L	10/16/20 08:3	5 13982-63-3	
	Pace Analytical Ser	rvices - Greensburg				
Radium-228	EPA 9320	0.323 ± 0.416 (0.886) C:72% T:84%	pCi/L	10/21/20 14:5	1 15262-20-1	
	Pace Analytical Ser	rvices - Greensburg				
Total Radium	Total Radium Calculation	0.371 ± 0.581 (1.31)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-1D PWS:	Lab ID: 924990 Site ID:	68005 Collected: 10/06/20 12:00 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Se	ervices - Greensburg				
Radium-226	EPA 9315	0.278 ± 0.234 (0.380) C:81% T:NA	pCi/L	10/16/20 08:35	5 13982-63-3	
	Pace Analytical Se	ervices - Greensburg				
Radium-228	EPA 9320	0.718 ± 0.482 (0.921) C:64% T:81%	pCi/L	10/21/20 14:51	1 15262-20-1	
	Pace Analytical Se	ervices - Greensburg				
Total Radium	Total Radium Calculation	0.996 ± 0.716 (1.30)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-31 PWS:	Lab ID: 92499 Site ID:	9068006 Collected: 10/06/20 14:55 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				-
Radium-226	EPA 9315	0.0313 ± 0.149 (0.403) C:78% T:NA	pCi/L	10/16/20 08:3	5 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.245 ± 0.379 (0.820) C:71% T:86%	pCi/L	10/21/20 14:5	1 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.276 ± 0.528 (1.22)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-14 PWS:	Lab ID: 9249 Site ID:	9068007 Collected: 10/06/20 11:30 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				-
Radium-226	EPA 9315	0.220 ± 0.226 (0.426) C:85% T:NA	pCi/L	10/16/20 08:30	6 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.0452 ± 0.588 (1.35) C:59% T:71%	pCi/L	10/21/20 14:5	1 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.265 ± 0.814 (1.78)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-23A PWS:	Lab ID: 92499 Site ID:	0068008 Collected: 10/06/20 14:25 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical S	Services - Greensburg				
Radium-226	EPA 9315	0.644 ± 0.354 (0.495) C:83% T:NA	pCi/L	10/16/20 08:37	7 13982-63-3	
	Pace Analytical S	Services - Greensburg				
Radium-228	EPA 9320	0.596 ± 0.456 (0.904) C:72% T:82%	pCi/L	10/21/20 14:5	1 15262-20-1	
	Pace Analytical S	Services - Greensburg				
Total Radium	Total Radium Calculation	1.24 ± 0.810 (1.40)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-16 PWS:	Lab ID: 9249 Site ID:	9068009 Collected: 10/06/20 16:15 Sample Type:	Received:	10/07/20 09:37	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.161 ± 0.191 (0.363) C:80% T:NA	pCi/L	10/16/20 08:3	7 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.958 ± 0.477 (0.832) C:70% T:82%	pCi/L	10/21/20 14:5	1 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.12 ± 0.668 (1.20)	pCi/L	10/23/20 10:2	1 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-25 PWS:	Lab ID: 92499 Site ID:	9068010 Collected: 10/07/20 09:50 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				-
Radium-226	EPA 9315	0.439 ± 0.164 (0.222) C:91% T:NA	pCi/L	10/19/20 18:23	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.568 ± 0.418 (0.818) C:70% T:89%	pCi/L	10/27/20 15:00	0 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.01 ± 0.582 (1.04)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: FD-02 PWS:	Lab ID: 9249 Site ID:	9068011 Collected: 10/07/20 00:00 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				-
Radium-226	EPA 9315	0.376 ± 0.148 (0.202) C:89% T:NA	pCi/L	10/19/20 18:23	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.584 ± 0.506 (1.03) C:67% T:82%	pCi/L	10/27/20 15:00	0 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	$0.960 \pm 0.654 (1.23)$	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-7D PWS:	Lab ID: 9249 Site ID:	9068012 Collected: 10/07/20 12:30 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				-
Radium-226	EPA 9315	0.0454 ± 0.112 (0.226) C:91% T:NA	pCi/L	10/19/20 18:23	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.187 ± 0.505 (1.13) C:64% T:79%	pCi/L	10/27/20 15:00	0 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.232 ± 0.617 (1.36)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-15 PWS:	Lab ID: 9249 Site ID:	9068013 Collected: 10/07/20 14:45 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.251 ± 0.152 (0.252) C:84% T:NA	pCi/L	10/19/20 18:12	2 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.967 ± 0.548 (1.00) C:66% T:81%	pCi/L	10/27/20 15:0	1 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.22 ± 0.700 (1.25)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-19 PWS:	Lab ID: 924990 Site ID:	Collected: 10/07/20 15:58 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical S	ervices - Greensburg				
Radium-226	EPA 9315	0.517 ± 0.178 (0.226) C:87% T:NA	pCi/L	10/19/20 18:13	3 13982-63-3	
	Pace Analytical S	ervices - Greensburg				
Radium-228	EPA 9320	0.376 ± 0.326 (0.655) C:84% T:80%	pCi/L	10/30/20 10:54	1 15262-20-1	
	Pace Analytical S	ervices - Greensburg				
Total Radium	Total Radium Calculation	0.893 ± 0.504 (0.881)	pCi/L	11/01/20 12:49	7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: FD-01 PWS:	Lab ID: 9249900 Site ID:	68015 Collected: 10/07/20 00:00 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Se	rvices - Greensburg				
Radium-226	EPA 9315	0.595 ± 0.204 (0.280) C:91% T:NA	pCi/L	10/19/20 18:14	13982-63-3	
	Pace Analytical Se	rvices - Greensburg				
Radium-228	EPA 9320	0.492 ± 0.345 (0.655) C:70% T:88%	pCi/L	10/27/20 14:59	9 15262-20-1	
	Pace Analytical Se	rvices - Greensburg				
Total Radium	Total Radium Calculation	1.09 ± 0.549 (0.935)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-17 PWS:	Lab ID: 9249 Site ID:	9068016 Collected: 10/07/20 10:35 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				-
Radium-226	EPA 9315	0.374 ± 0.149 (0.204) C:90% T:NA	pCi/L	10/19/20 18:15	5 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.0584 ± 0.354 (0.818) C:65% T:82%	pCi/L	10/27/20 14:59	9 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.432 ± 0.503 (1.02)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-18 PWS:	Lab ID: 9249900 Site ID:	68017 Collected: 10/07/20 12:05 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Se	rvices - Greensburg				
Radium-226	EPA 9315	0.365 ± 0.182 (0.292) C:81% T:NA	pCi/L	10/19/20 18:15	5 13982-63-3	
	Pace Analytical Se	rvices - Greensburg				
Radium-228	EPA 9320	-0.0286 ± 0.365 (0.861) C:68% T:81%	pCi/L	10/27/20 14:59	9 15262-20-1	
	Pace Analytical Se	rvices - Greensburg				
Total Radium	Total Radium Calculation	0.365 ± 0.547 (1.15)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Sample: PZ-33 PWS:	Lab ID: 9249906 Site ID:	8018 Collected: 10/07/20 14:25 Sample Type:	Received:	10/08/20 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Ser	vices - Greensburg				
Radium-226	EPA 9315	0.442 ± 0.169 (0.233) C:86% T:NA	pCi/L	10/19/20 17:55	5 13982-63-3	
	Pace Analytical Ser	vices - Greensburg				
Radium-228	EPA 9320	-0.0127 ± 0.311 (0.730) C:73% T:83%	pCi/L	10/27/20 11:52	2 15262-20-1	
	Pace Analytical Ser	vices - Greensburg				
Total Radium	Total Radium Calculation	0.442 ± 0.480 (0.963)	pCi/L	10/28/20 15:13	3 7440-14-4	



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

QC Batch: 418039 Analysis Method: EPA 9320

QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92499068001, 92499068002, 92499068003, 92499068004, 92499068005, 92499068006, 92499068007,

92499068008, 92499068009

METHOD BLANK: 2021122 Matrix: Water

Associated Lab Samples: 92499068001, 92499068002, 92499068003, 92499068004, 92499068005, 92499068006, 92499068007,

92499068008, 92499068009

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.318 ± 0.365 (0.768) C:69% T:89%
 pCi/L
 10/21/20 11:32

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



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

QC Batch: 418036 Analysis Method: EPA 9315

QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92499068004, 92499068005, 92499068006, 92499068007, 92499068008, 92499068009

METHOD BLANK: 2021119 Matrix: Water

Associated Lab Samples: 92499068004, 92499068005, 92499068006, 92499068007, 92499068008, 92499068009

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.149 ± 0.187 (0.370) C:81% T:NA
 pCi/L
 10/16/20 08:35

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



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

QC Batch: 418550 Analysis Method: EPA 9315

QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92499068010, 92499068011, 92499068012, 92499068013, 92499068014, 92499068015, 92499068016,

92499068017, 92499068018

METHOD BLANK: 2023109 Matrix: Water

Associated Lab Samples: 92499068010, 92499068011, 92499068012, 92499068013, 92499068014, 92499068015, 92499068016,

92499068017, 92499068018

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.0638 ± 0.107 (0.209) C:94% T:NA
 pCi/L
 10/19/20 18:23

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.



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

QC Batch: 418553 Analysis Method: EPA 9320

QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92499068010, 92499068011, 92499068012, 92499068013, 92499068014, 92499068015, 92499068016,

92499068017, 92499068018

METHOD BLANK: 2023116 Matrix: Water

Associated Lab Samples: 92499068010, 92499068011, 92499068012, 92499068013, 92499068014, 92499068015, 92499068016,

92499068017, 92499068018

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.454 ± 0.339 (0.661) C:71% T:93%
 pCi/L
 10/27/20 11:52

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.



Project: MITCHELL CCR RADS

Pace Project No.: 92499068

QC Batch: 418033

Analysis Method: EPA 9315 QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium

Pace Analytical Services - Greensburg Laboratory:

Associated Lab Samples: 92499068001, 92499068002, 92499068003

METHOD BLANK: 2021110 Matrix: Water

Associated Lab Samples: 92499068001, 92499068002, 92499068003

Act ± Unc (MDC) Carr Trac Analyzed Qualifiers Parameter Units Radium-226 0.0872 ± 0.193 (0.458) C:76% T:NA pCi/L 10/16/20 06:43

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.



QUALIFIERS

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

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.

Act - Activity

Date: 06/03/2021 05:36 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Date: 06/03/2021 05:36 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92499068001	EB-01	EPA 9315	418033		
2499068002	PZ-2D	EPA 9315	418033		
2499068003	FB-01	EPA 9315	418033		
2499068004	PZ-32	EPA 9315	418036		
2499068005	PZ-1D	EPA 9315	418036		
2499068006	PZ-31	EPA 9315	418036		
2499068007	PZ-14	EPA 9315	418036		
2499068008	PZ-23A	EPA 9315	418036		
2499068009	PZ-16	EPA 9315	418036		
2499068010	PZ-25	EPA 9315	418550		
2499068011	FD-02	EPA 9315	418550		
2499068012	PZ-7D	EPA 9315	418550		
2499068013	PZ-15	EPA 9315	418550		
2499068014	PZ-19	EPA 9315	418550		
2499068015	FD-01	EPA 9315	418550		
2499068016	PZ-17	EPA 9315	418550		
2499068017	PZ-18	EPA 9315	418550		
2499068018	PZ-33	EPA 9315	418550		
2499068001	EB-01	EPA 9320	418039		
2499068002	PZ-2D	EPA 9320	418039		
2499068003	FB-01	EPA 9320	418039		
2499068004	PZ-32	EPA 9320	418039		
2499068005	PZ-1D	EPA 9320	418039		
2499068006	PZ-31	EPA 9320	418039		
2499068007	PZ-14	EPA 9320	418039		
2499068008	PZ-23A	EPA 9320	418039		
2499068009	PZ-16	EPA 9320	418039		
2499068010	PZ-25	EPA 9320	418553		
2499068011	FD-02	EPA 9320	418553		
2499068012	PZ-7D	EPA 9320	418553		
2499068013	PZ-15	EPA 9320	418553		
2499068014	PZ-19	EPA 9320	418553		
2499068015	FD-01	EPA 9320	418553		
2499068016	PZ-17	EPA 9320	418553		
2499068017	PZ-18	EPA 9320	418553		
2499068018	PZ-33	EPA 9320	418553		
2499068001	EB-01	Total Radium Calculation	419980		
2499068002	PZ-2D	Total Radium Calculation	419980		
2499068003	FB-01	Total Radium Calculation	419980		
2499068004	PZ-32	Total Radium Calculation	419980		
2499068005	PZ-1D	Total Radium Calculation	419980		
2499068006	PZ-31	Total Radium Calculation	419980		
2499068007	PZ-14	Total Radium Calculation	419980		
2499068008	PZ-23A	Total Radium Calculation	419980		
2499068009	PZ-16	Total Radium Calculation	419980		
72433000003					

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL CCR RADS

Pace Project No.: 92499068

Date: 06/03/2021 05:36 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92499068011	FD-02	Total Radium Calculation	420676		
92499068012	PZ-7D	Total Radium Calculation	420676		
92499068013	PZ-15	Total Radium Calculation	420676		
92499068014	PZ-19	Total Radium Calculation	421105		
92499068015	FD-01	Total Radium Calculation	420676		
92499068016	PZ-17	Total Radium Calculation	420676		
92499068017	PZ-18	Total Radium Calculation	420676		
92499068018	PZ-33	Total Radium Calculation	420676		

Sample Condition Upon Receipt WO#: 92499068 Client Name: Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: yes no ☐ no Seals intact: Custody Seal on Cooler/Box Present: ZIPlock ☐Bubble Bags ☐ None ☑ Other Packing Material: Bubble Wrap Samples on ice, cooling process has begun Type of Ice: Wet Blue None Thermometer Used Date and Initials of person examining Biological Tissue is Frozen: Yes No contents: (10/7/70 Cooler Temperature Comments: Temp should be above freezing to 6°C ØYes □No □N/A Chain of Custody Present: Yes ONO ONA Chain of Custody Filled Out: TYES ONO ON/A Chain of Custody Relinquished: TYes ONO ON/A 4. Sampler Name & Signature on COC: Yes DNo □N/A Samples Arrived within Hold Time: □Yes ZNo □N/A Short Hold Time Analysis (<72hr): □Yes ☑No □N/A Rush Turn Around Time Requested: ØYes □No □N/A Sufficient Volume: Yes ONO □N/A Correct Containers Used: Yes ONO ON/A -Pace Containers Used: ØYes □No □N/A 10. Containers Intact: DYES DNO DNA 11. Filtered volume received for Dissolved tests □N/A 12. Yes | No Sample Labels match COC: WI GW Matrix: -Includes date/time/ID/Analysis All containers needing preservation have been checked. TYES ONO ONA 13. All containers needing preservation are found to be in Yes ONO ONA compliance with EPA recommendation. Lot # of added Initial when ☐Yes ☐No preservative completed exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) ☐Yes ☐No ☐N/A 14. Samples checked for dechlorination: ☐Yes ☐No DNA 15. Headspace in VOA Vials (>6mm): Yes ZNO **□N/A** 16. Trip Blank Present: □Yes □No ØN/A Trip Blank Custody Seals Present Pace Trip Blank Lot # (if purchased):

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

Project Manager Review:

Field Data Required?

Y / N

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR 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.

		2	120	E C	が変な	120	13.5	10	9	0	7	8	O.	100	3	2		ITEM#		Kequeste	Phone:	Fmail	Address:	Company:
		F, Soy for Answay	Kr, Co, Ph, L; Kg,	III/IV metros: Boron, Ca	TOUTIONAL COMMENTS				PZ-16	P2-23A	P2-14	PZ-31	P2-1D	P2-32	FB-01	PZ-2D	EB-01	SAMPLE ID SAMPLE ID Conscient per box. (A.Z. 0-81, -) Sample lds must be unique Country when Constitution was Constitution was Transmit	Q.F	Requested the Date: STANDORD TAT	(404)506-7239 Fax:	Allanta, GA 30339		Required Client Information: Company: Georgia Power - Coal Combustion Residuals
			Se	Cash 78	建物 医阴道													Water War Wr Product P St. Oct. Oct. Oct. Oct. Oct. Oct. Oct. Oc	MATRIX CODE Drinking Water DW	Project #: 6/22-16	Project Name:			Report To: Garage
				Lines	RELIVO				E	£2	35	83	Ê,	32	14		=	MATRIX CODE (see valid co	Control Carlo	6/2	ne: F			roject tr
					addico e		+		8 1% ko	G 10/6/20	G19/4	6/96	443	G 10/6/20	G-10/6/20	Glole	G 10/6	SAMPLE TYPE (G-GRAB (CACOMP)	2-16	SCS lant Mit		Wood PLC	normati
T	SA			1000	原面的		H	H	po 19.12	52.4109	19/1/20 11:30	196/2014:55	442012:00		120	10/6/20 12:20	-	2		0	SCS10382775 Plant Mitchell CCR			on:
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CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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			ions: Cr. Froy	16 B. Li, H. B.	TILLY WETHER B. Co.	Авоттомы сомментв				25-33	D2-18	F3-17	FD-01	PZ-19	PZ-15	04-49	FD-02	PZ-25	SAMPLE ID One Character per box. (A-Z, 0-91, -) Sample Ids must be unique		vednested one pare:	(404)506-7239 Fax:	jabraham@southernco.com	2480 Maner Road		₽
				Se 717	S. 80 CB														## # # # # # # # # # # # # # # # # # #		Froject #:	Project Name:	Purchase Order#	Copy To:	Report To:	Section B Required Pro
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Analyst Must Manually Enter All Fields Highlighted in Yellow.

Ra-226

Pace Analytical

LAL 10/15/2020 56677 DW Date:

Test: Analyst: Worklist: Matrix:

0.087 0.193 0.458 0.89 N/A Pass M/B Counting Uncertainty: MB Numerical Performance Indicator: MB Status vs Numerical Indicator: MB Status vs. MDC: MB Sample iD MB MDC: Method Blank Assessment

Laboratory Control Sample Assessmen

MS/MSD 2 MS/MSD 1 Sample I.D. Sample MS I.D. Sample MSD I.D. Matrix Spike Dupitcate Result Counting Uncertainty (pC/I/L, g, F): MS Numerical Performance Indicator: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits: 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 (catculated) 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: MS Percent Recovery: MSD Percent Recovery: MSD Status vs Numerical Indicator MS Status vs Recovery. Sample Collection Date MSD Numerical Performance Indicator MS Status vs Numerical Indicator MSD Status vs Recovery Sample Matrix Spike Control Assessment

LCSD56677 LCS56677 10/16/2020 19-033 24.044 0.10 0.524 4.586 0.055 3.940 0.731 -1.73 85.91% N/A Pass 125% 75% Count Date: Spike I.D.: Alquot Volume (L, g, F): Target Conc. (pCl/L, g, F): Result (pC//L, g, F): LCS/LCSD Counting Uncertainty (pCi/L, g, F): Upper % Recovery Limits; Lower % Recovery Limits; Decay Corrected Spike Concentration (pCi/mL): Volume Used (mL): Uncertainty (Calculated): Percent Recovery: Status vs Numerical Indicator: Status vs Recovery Numerical Performance Indicator

essment		
Sample I.D.:	92498068019	Enter Duplicate
Duplicate Sample I.D. 92498068019DUP	92498068019DUP	sample IDs if
Sample Result (pCi/L, g, F):	1.060	other than
le Result Counting Uncertainty (pCi/L, g, F):	0.421	LCS/LCSD in
Sample Duplicate Result (pCi/L, g, F):	0.947	the space below.
te Result Counting Uncertainty (pCi/L, g, F):	0.373	
sample and/or duplicate results below RL?	See Below 株	
Duplicate Numerical Performance Indicator;	0,393	92498068019
Duplicate RPD:	11.23%	92498068019DUP
Duplicate Status vs Numerical Indicator:	A/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25%	

Duplicate Sample Assessment			Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.:	Sample I.D.: 92498068019 Enter Duplicate	Enter Duplicate	Sampi
Duplicate Sample I.D. 92498068019DUP sample IDs if	92498068019DUP	sample IDs if	Sample MS
Sample Result (pCi/L, g, F):	1.060	other than	Sample MSI
Sample Result Counting Uncertainty (pCi/l, g, F):	0.421	LCS/LCSD in	Sample Matrix Spike Ro
Sample Duplicate Result (pCi/L, g, F):	0.947	the space below.	Matrix Spike Result Counting Uncertainty (pCi/L,
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.373		Sample Matrix Spike Duplicate Re
Are sample and/or duplicate results below RL?	See Below 特		Matrix Spike Duplicate Result Counting Uncertainty (pCi/l,
Duplicate Numerical Performance Indicator;	0,393	92498068019	Duplicate Numerical Performance Indic
Duplicate RPD:	11.23%	92498068019DUP	(Based on the Percent Recoveries) MS/ MSD Duplicate
Duplicate Status vs Numerical Indicator:	A/A		MS/ MSD Duplicate Status vs Numerical Indic
Duplicate Status vs RPD:	Pass		MS/ MSD Duplicate Status vs
% RPD Limit.	25%		% RPD

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

MS/ MSD Duplicate Status vs RPD: % RPD Limit:

Sample 1.D.

Sample MS I.D. Sample MSD I.D Sample Matrix Spike Result

Matrix Spike Result Counting Uncertainty (pC//L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (pCl/l., g. F): (Based on the Percent Recoveries) MS/ MSD Duplicate RPD:

Duplicate Numerical Performance Indicator MS/ MSD Duplicate Status vs Numerical Indicator

Comments:



Jano Holoro

TAR_56677_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

Ra-226

Pace Analytical

Analyst Must Manually Enter All Fields Highlighted in Yellow.

LAL 10/15/2020 56677 DW Test: Analyst: Date:

0.193 0.458 0.89 N/A Pass 0.087 Worklist: Matrix: M/B Counting Uncertainty: MB MDC: MB Sample ID MB concentration:

Method Blank Assessment

MB Numerical Performance Indicator.
MB Status vs Numerical Indicator.
MB Status vs. MDC:

	Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD
	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.(pC/I/L, g, F):		
	MSD Aliquot (L, g, F):		
	MSD Target Conc. (pCi/L, g, F):		
	MS Spike Uncertainty (calculated):		
z	MSD Spike Uncertainty (calculated):		
LCSD56677	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:		

Duplicate Sample Assessment			Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.:	Sample I.D.: 92498068014 Enter Duplicate	Enter Duplicate	Sample 1.D.
Duplicate Sample I.D. 92498068014DUP	32498068014DUP	sample IDs if	Sample MS I.D.
Sample Result (pCVL, g, F):	1.691	other than	Sample MSD I.D.
Sample Result Counting Uncertainty (pCVL, g, F):	0.495	LCS/LCSD in	Sample Matrix Spike Result:
Sample Duplicate Result (pCi/L, g, F);	1.375	the space below.	Matrix Spike Result Counting Uncertainty (pCi/L, g, F):
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F);	0.433		Sample Matrix Spike Duplicate Result:
Are sample and/or duplicate results below RL?	See Below ##		Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
Duplicate Numerical Performance Indicator:	0.942	92498068014	Duplicate Numerical Performance Indicator:
Duplicate RPD:	20.61%	92498068014DUP	(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
Duplicate Status vs Numerical Indicator:	A/N		MS/ MSD Duplicate Status vs Numerical Indicator:
Duplicate Status vs RPD:	Pass		MS/ MSD Duplicate Status vs RPD:
% RPD Limit:	25%		% RPD Limit:

10/16/2020 19-033 24.044 0.10 0.524 4.586 0.055 3.940 0.731 -1.73 85.91% NA Pass 125%

Aliquot Volume (L, g, F): Target Conc. (PCi/L, g, F):

Volume Used (mL):

Decay Corrected Spike Concentration (pCi/mL):

Count Date: Spike I.D.

Laboratory Control Sample Assessmen

Uncertainty (Calculated):

Result (pC/IL, 9, F): LCS/LCSD Counting Uncertainty (pC/IL, g, F): Numerical Performance Indicator;

Percent Recovery: Status vs Numerical Indicator: Status vs Recovery:

Upper % Recovery Limits: Lower % Recovery Limits:

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

Comments:



TAR_56677_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

1 of 1

TAR DW QC Printed: 10/16/2020 10:55 AM

Face Analytical

Analyst Must Manually Enter All Fields Highlighted in Yellow.

	D 1 MS/MSD 2						•						
	MS/MSD 1	Sample Collection Date:	Sample I.D.	Sample MS I.D.	Sample MSD 1.D.	Spike I.D.:	on (pCi/mL):	in MS (mL):	MSD (mL):	MS Aliquot (L. g. F):	(pCi/L, g, F):	MSD Aliquot (L, g, F):	(pCi/L, g, F):
	Sample Matrix Spike Control Assessment	Sample Col		Sar	Samı		MS/MSD Decay Corrected Spike Concentration (pCi/mL):	Spike Volume Used in MS (mL)	Spike Volume Used in MSD (mL):	MS Alia	MS Target Conc.(pCi/L, g, 1	MSD Alia	MSD Target Conc. (pCi/L, g, F):
Ra-226	ᇫ	10/15/2020	56679	MΩ			2021119	0.149	0.186	0.370	1.56	N/A	Pass
Test	Analyst	Date:	Worklist:	Matrix:			MB Sample ID	MB concentration:	M/B Counting Uncertainty:	MB MDC:	MB Numerical Performance Indicator:	MB Status vs Numerical Indicator:	MB Status vs. MDC:
www.pacekabs.com	-					Method Blank Assessment							

Laboratory Control Sample Assessment	LCSD (Y or N)?	Т
	LCS56679	LCSD56679
Count Date:	10/16/2020	10/16/2020
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.044	24,044
Volume Used (mL):	0.10	0.10
Aliquot Volume (L. g. F):	0.512	0.519
Target Conc. (pCi/L, g, F):	4.697	4.635
Uncertainty (Calculated):	0.056	0.056
Result (pCi/L, g, F):	3.930	4.568
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.735	0.757
Numerical Performance Indicator:	-5.04	-0.17
Percent Recovery:	83,67%	98.56%
Status vs Numerical Indicator:	A/A	A/X
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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:

Sample Result:

MS Spike Uncertainty (calculated): MSD Spike Uncertainty (calculated): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
MS Numerical Performance Indicator:

MSD Percent Recovery:

MSD Numerical Performance Indicator

MSD Status vs Numerical Indicator: MSD Status vs Recovery:

MS Status vs Numerical Indicator MS Status vs Recovery

Nu Duplicate Sample Assessment	Numerical Performance Indicator: Percent Recovery: Status vs Numerical Indicator: Status vs Recovery: Lower % Recovery Limits: Lower % Recovery Limits:	-2.04 83.67% N/A N/A Pass 125% 75%	-0.17 98.56% N/A N/A Pass 125% 75%	
	Sample I.D.: Duplicate Sample I.D.	LCS56679 LCSD56679	Enter Duplicate sample IDs if	

MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:

		Matrix Spike/Matrix Spike Duplicate Sample Assessment
LCS56679	Enter Duplicate	Sample I.D.
CSD56679	sample IDs if	Sample MS I.D.
3.930	other than	Sample MSD I.D.
0.735	LCS/LCSD in	Sample Matrix Spike Result:
4.568	the space below.	Matrix Spike Result Counting Uncertainty (pCi/L, g, F):
0.757		Sample Matrix Spike Duplicate Result:
9		Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
-1.186		Duplicate Numerical Performance Indicator:
16.34%		(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
A/N		MS/ MSD Duplicate Status vs Numerical Indicator:
Pass		MS/ MSD Duplicate Status vs RPD:
25%		% RPD Limit:

Sample Rasult (pCl/L, g, F):
Sample Result Counting Uncertainty (pCl/L, g, F):
Sample Duplicate Result (pCl/L, g, F):
Sample Duplicate Result (pCl/L, g, F):

Are sample and/or duplicate results below RL?

Duplicate Numerical Performance Indicator. (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:

Duplicate Status vs Numerical Indicator:

Duplicate Status vs RPD; % RPD Limit:

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

Comments:



vgm10/10/2020

TAR DW QC Printed: 10/16/2020 11:07 AM

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Face Analytical"

Ra-226 LAL 10/19/2020 56785 DW Test: Analyst: Date: Worklist Matrix:

2023109 0.107 0.107 0.209 1.17 N/A Pass MB concentration: M/B Counting Uncertainty: MB MDC: MB Numerical Performance Indicator. MB Status vs Numerical Indicator. MB Status vs. MDC: MB Sample ID Method Blank Assessment

	Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
	Sample Collection Date:		
	Sample 1.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):		
LCSD56785	Sample Result:		
10/19/2020	Sample Result Counting Uncertainty (pCi/L, g, F):		
19-033	Sample Matrix Spike Result:		
24.043	Matrix Spike Result Counting Uncertainty (pCi/L, g, F):		
0.10	Sample Matrix Spike Duplicate Result:		
0.501	Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):		
4.800	MS Numerical Performance Indicator:		
0.058	MSD Numerical Performance Indicator:		
4.127	MS Percent Recovery:		
0.379	MSD Percent Recovery:		
44.6	MS Status vs Numerical Indicator:		
85.99%	MSD Status vs Numerical Indicator:		
Ϋ́	MS Status vs Recovery:		
Pass	MSD Status vs Recovery:		
125%	MS/MSD Upper % Recovery Limits:		
75%	MS/MSD Lower % Recovery Limits:		

LCS56785 19-033 24.043 0.10 0.503 4.778 0.657 4.258 0.347 -2.90 89.12%

Count Date: Spike I.D.:

aboratory Control Sample Assessmen

Decay Corrected Spike Concentration (pCVmL):

Volume Used (mL):
Aliquot Volume (L, g, F):
Target Conc. (pCiVL, g, F):
Uncertainty (Calculated):
LCS/LCSD Counting Uncertainty (pCiVL, g, F):
Numerical Performance Indicator:

Percent Recovery: Status vs Numerical Indicator: Status vs Recovery.

(Based on the Percent Recovenes) MSJ MSJ Duplicate MS/ MSD Duplicate Status vs Numerical Indi MS/ MSD Duplicate Status vs % RPD	974390580 (BDO)	3.38% N/A Pass 25%	(based on the LCS/LCSD Percent recovenes) Duplicate RVD: Duplicate Status vs Numerical Indicator: Duplicate Status vs RPD: % RPD Limit;
Matrix Spike Duplicate Result Counting Uncertainty (pCiVi., Duplicate Numerical Performance Indi (Reced on the Decreat Decreated Next MRC) MIC)	92499068016	00.500 0.500	Sample Depurate Nesson Continuis Uncaranty (Ports. 9, 77). Are sample and/or duplicate results below RL? Duplicate Numerical Performance Indicator. (Based on the LCS/LCS) Perpert Recoveries In Indicator.
Sample Matrix Spike Result Counting Uncertainty (pCl/L). Sample Matrix Spike Result Counting Uncertainty (pCl/L).	the space below.	0.347 4.127 0.379	Sample Nesult Counting Oncertainty (Dult., g. P.): Sample Duplicate Result (DCift., g. F.): Sample Duplicate Result Counting Uncertainty (DCift., g. F.):
Sample MS	other than	4.258	Sample Result (pCid., g, F):
Sample M	Enter Duplicate sample IDs if	LCS56785 LCSD56785	Sample I.D.: Duplicate Sample I.D.
Matrix Spike/Matrix Spike Duplicate Sample Assessment			Duplicate Sample Assessment
MS/MSD Upper % Recovery L MS/MSD Lower % Recovery L	125% 75%	125% 75%	Upper % Recovery Limits: Lower % Recovery Limits:
MSD Status vs Reco	Pass	Pass	Status vs Recovery:
MS Status vs Recc	N/A	ď/Z	Status vs Numerical Indicator:

אומנוז לאויפווים לאוים בההולקם באפניאותנו באפניאותנו	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 (pCVL, 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:	- C C C C C
	e I.D.	S.D.	.0.1.C	esult	9. F):	esult:	9, F):	:ator:	RPD:	:ator:	RPD:	Ė

0002/02/01 WAN

TAR_56785_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

Comments:

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

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Face Analytical"

MS/MSD 2

MS/MSD 1

Sample Matrix Spike Control Assessment Ra-226 LAL 10/19/2020 56785 DW 0.064 0.107 0.209 N/A Pass Test Analyst Date: Worklist: Matrix: MB Sample ID M/B Counting Uncertainty: MB MDC; MB Status vs Numerical Indicator. MB Status vs. MDC: MB concentration: MB Numerical Performance Indicator: Laboratory Control Sample Assessmen Method Blank Assessment

Sample I.D. ple MS I.C. ple MS	· e e e x	201	rrv		υx	ن د						32.5					
Sample Collection Date: Sample MS LD. Sample MS LD. Sample MS LD. Sample MS LD. Sample MS LD. Sample MS LD. Spike Volume Used in MS (mL). Spike Volume Used in MS (mL). Spike Volume Used in MS (mL). Spike Volume Used in MS (mL). MS Aliquot (L. g. F). MS Darget Conc. (pCiv., g. F). MSD Target Conc. (pCiv., g. F). MSD Aliquot (L. g. F). MSD Spike Uncertainty (calculated). MSD Spike Uncertainty (calculated). Sample Result Matrix Spike Result Counting Uncertainty (pCiv., g. F). Sample Matrix Spike Pesult Matrix Spike Duplicate Result MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Percent Recovery. MS Startic vo Numerical Indicator. MSD Startic vo Numerical Indicator.	MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MSMSD Upper % Recovery Limits:	MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator	MSD Numerical Performance Indicator: MSD Numerical Performance indicator: MSP Percert Recovery,	Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Courting Uncertainty (PC/N., g. F): MS Numerical Performance Indicator:	Sample Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	Sample Result:	MSD Spike Uncertainty (calculated):	MS Spike Uncertainty (calculated):	MSD Target Conc. (pCi/L, g, F):	MS Target Conc.(pCi/L, g, F): MSD Alimet (1, g, E):	Spike Volume Osed in MSD (incl.) MS Aliquot (L, g, F);	Spike Volume Used in MS (mL):	MS/MSD Decay Corrected Spike Concentration (pCl/ml.):	Spike 1.D.:	Sample MSD I.D.	Sample I.D. Sample MS I.D.	Sample Collection Date:

Laboratory Common Sample Assessment	5 5 5 5 5 5 5 5	_	
	LCS56785	FCSD26785	
Count Date:	10/19/2020		Ġ
Spike I.D.:	19-033		
Decay Corrected Spike Concentration (pCi/mL):	24.043		Matrix
Volume Used (mL):	0.10		
Aliquot Volume (L. g. F):	0,503		Matrix Spike Dur
Target Conc. (pCi/L, g, F):	4.778		
Uncertainty (Calculated):	0.057		
Result (pCi/L, g, F):			
LCS/LCSD Counting Uncertainty (pCi/L, g, F);			
Numerical Performance Indicator;	-2,90		
Percent Recovery:	89.12%		
Status vs Numericel Indicator:	N/A		
Status vs Recovery:	Pass		
Upper % Recovery Limits:	125%		
Lower % Recovery Limits:	75%		
Duplicate Sample Assessment			Matrix Spike/Matri
		•	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	Sample 1.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.
	Enter Duplicate	sample 1Ds if	other than	LCS/LCSD in	the space below.			92499068016	92499068016DUP			A Company of the Comp

Sample I.D.: 92499068016 Duplicate Sample I.D. 92499068016DUP

0.374 0.138 0.488 0.176 See Below ## -1.090

Sample Result (pCid., g, F):
Sample Result Courting Uncertainty (pCid., g, F):
Sample Duplicate Result (pCid., g, F):
Sample Duplicate Result Counting Uncertainty (pCid., g, F):
Are sample and/or duplicate results below RL?

Duplicate Numerical Performance Indicator:

Duplicate RPD:

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

Duplicate Status vs RPD; % RPD Limit:

Duplicate Status vs Numerical Indicator.

Comments

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TAR_56785_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

TAR DW QC Printed: 10/20/2020 8:35 AM

10/14/2020 Ra-228 56682 WT ₹ Test Analyst: Date: Worklist: Matrix:

MS/MSD 2

MS/MSD 1

Sample I.D. Sample MS I.D. Sample MSD I.D.

Spike I.D.

Sample Collection Date:

Spike Volume Used in MSD (mL): MS Aliquot (L, g, F): MS Target Conc.(PCitl., g, F): MSD Aliquot (L, g, F): MSD Target Conc. (pC/L, g, F):

Spike Volume Used in MS (mL)

MS/MSD Decay Corrected Spike Concentration (pCi/mL)

MS Spike Uncertainty (cafculated): 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 Percent Recovery:

MSD Percent Recovery

MSD Numerical Performance Indicator

MS Numerical Performance Indicator

MS Status vs Numerical Indicator. MSD Status vs Numerical Indicator.

MSD Status vs Recovery: MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits:

MS Status vs Recovery

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Sample Matrix Spike Control Assessment

0077000	771.1707	0.318	0.365	0,768	1.70	Pass	Pass
Assessment	UI Samble ID	MB concentration:	M/B 2 Sigma CSU:	MB MDC:	MB Numerical Performance Indicator:	MB Status vs Numerical Indicator:	MB Status vs. MDC:

Method Blank

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS56682	CSD56682
Count Date:	10/21/2020	10/21/2020
Spike I.D.:	20-030	20-030
Decay Corrected Spike Concentration (pCi/mL):	37.943	37.943
Volume Used (mL):	0.10	0,10
Aliquot Volume (L, g, F);	0.813	0.813
Target Conc. (pCl/L, g, F):	4,669	4.670
Uncertainty (Calculated):	0.229	0.229
Result (pCi/L, g, F):	4,756	5.987
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.070	1.314
Numerical Performance Indicator:	0.16	1.93
Percent Recovery:	101.86%	128.20%
Status vs Numerical Indicator:	Υ/X	∀/N
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits;	%09	%09

uplicate Sample Assessment			Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.:	LCS56682	Enter Duplicate	Sample I.D.
Duplicate Sample I.D.	LCSD56682	sample IDs if	Sample MS I.D.
Sample Result (pCi/L, g, F):	4.756	other than	Sample MSD I.D.
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.070	LCS/LCSD in	Sample Matrix Spike Result:
Sample Duplicate Result (pCi/L, g, F):	5.987	the space below.	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.314		Sample Matrix Spike Duplicate Result:
Are sample and/or duplicate results below RL?	8		Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):
Duplicate Numerical Performance Indicator:	-1.424		Duplicate Numerical Performance Indicator:
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	22.90%		(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
Duplicate Status vs Numerical Indicator:	Pass		MS/ MSD Duplicate Status vs Numerical Indicator.
Duplicate Status vs RPD:	Pass		MS/ MSD Duplicate Status vs RPD;
% RPD Limit	36%		% RPD Limit

Duplicate Sample Assessment

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VAL 10/21/2020 Ra-228 56787 WT Test Analyst: Date: Worklist Matrix

Analyst Must Manually Enter All Fields Highlighted in Yellow.

	Sample Matrix Spike Control Assessment	NS/MSD 1	MS/MSD 2
	Sample Collection Date:		
	Sample I.D.		
	Sample MS I.D.		
	Sample MSD 1.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.(pCl/L, g, F):		
	MSD Aliquot (L, g, F):		
	MSD Target Conc. (pCi/L, g, F):		
	MS Spike Uncertainty (calculated):		
	MSD Spike Uncertainty (calculated):		
787	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:		

CSD (Y or N)?

Laboratory Control Sample Assessment

2023116 0.454 0.339 0.661 2.62 Waming Pass

MB concentration: M/B 2 Sigma CSU: MB MDC;

MB Sample ID

Method Blank Assessment

MB Numerical Performance Indicator: MB Status vs Numerical Indicator: MB Status vs. MDC:

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:
	z	LCSD56787															

LCS56787 10/27/2020 20-030 37.867 0.10 0.810 4.675 0.229 4.038 0.957 -1.27

Volume Used (mL): Aliquot Volume (L, g, F): Target Conc. (pCi/L, g, F):

Decay Corrected Spike Concentration (pCi/mL):

Spike I.D.:

Result (pC/I/L, g, F): LCS/LCSD 2 Sigma CSU (pC/I/L, g, F):

Numerical Performance Indicator:

Uncertainty (Calculated):

Percent Recovery.
Status vs Numerical Indicator.
Status vs Recovery:

Upper % Recovery Limits: Lower % Recovery Limits:

Duplicate Sample Assessment

Matrix Spike/Matrix Spike Duplicate Sample Assessment	Sample I.D. Sample MS I.D.	Sample MSD I.D. Sample Matrix Solke Result	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	Sample Matrix Spike Duplicate Result:	Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	Duplicate Numerical Performance Indicator:	(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	MS/ MSD Duplicate Status vs Numerical Indicator:	MS/ MSD Duplicate Status vs RPD:	1000 %

Enter Duplicate sample IDs if other than LCS/LCSD in the space below

92499068018 92499068018DUP

Sample I.D.: Duplicate Sample I.D.

MDC.	results are below the	ample or duplicate	## Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.
		36%	% RPD Limit:
		Fail***	Duplicate Status vs RPD:
_		Pass	Duplicate Status vs Numerical Indicator:
(Based on the	92499068018DUP	219,02%	Duplicate RPD;
	92499068018	-1.256	Duplicate Numerical Performance Indicator:
Matrix (See Below 推	Are sample and/or duplicate results below RL?
		0.332	Sample Duplicate Result 2 Sigma CSU (pCVL, g, F):
	the space below.	0.279	Sample Duplicate Result (pCi/L, g, F):
	LCS/LCSD in	0.311	Sample Result 2 Sigma CSU (pCi/L, g, F):
	other than	-0.013	Sample Result (pCi/L, g, F):
	sample IDs #	92499068018DUP	Uuplicate Sample I.D. 92499068018DUP sample IDs II

Comments:

6 of 10





June 03, 2021

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

RE: Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between March 05, 2021 and March 09, 2021. 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,

Tyler Forney for Kevin Herring kevin.herring@pacelabs.com 1(704)875-9092 HORIZON Database Administrator

Enclosures

cc: Joju Abraham, Georgia Power-CCR Kristen Jurinko Ms. Lauren Petty, Southern Company Rhonda Quinn, WOOD E&I Greg Wrenn, WOOD E&I





CERTIFICATIONS

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078 Louisiana/NELAP Certification # LA170028 North Carolina Drinking Water Certification #: 37706 North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

110 Technology Pkwy, Peachtree Corners, GA 30092

Pace Analytical Services Peachtree Corners

Florida DOH Certification #: E87315 Georgia DW Inorganics Certification #: 812 South Carolina Certification #: 99006001 Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

North Carolina Wastewater Certification #: 40 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

North Carolina Certification #: 381 South Carolina Certification #: 98011001



SAMPLE SUMMARY

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92525919001	PZ-32	Water	03/03/21 10:15	03/05/21 09:45
92525919002	PZ-14	Water	03/03/21 13:20	03/05/21 09:45
92525919003	PZ-23A	Water	03/03/21 16:15	03/05/21 09:45
92525919004	DUP-2	Water	03/03/21 00:00	03/05/21 09:45
92525919005	EB-1	Water	03/03/21 09:55	03/05/21 09:45
92525919006	PZ-1D	Water	03/03/21 11:15	03/05/21 09:45
92525919007	PZ-31	Water	03/03/21 13:40	03/05/21 09:45
92525919008	PZ-25	Water	03/03/21 13:46	03/05/21 09:45
92525919009	DUP-1	Water	03/03/21 00:00	03/05/21 09:45
92525919010	PZ-19	Water	03/03/21 16:00	03/05/21 09:45
92525919011	PZ-17	Water	03/04/21 10:00	03/05/21 13:10
92525919012	PZ-18	Water	03/04/21 11:05	03/05/21 13:10
92525919013	PZ-16	Water	03/04/21 11:15	03/05/21 13:10
92525919014	PZ-33	Water	03/04/21 14:05	03/05/21 13:10
92525919015	FB-1	Water	03/04/21 08:30	03/05/21 13:10
92525919016	PZ-15	Water	03/04/21 10:46	03/05/21 13:10
92525919017	PZ-7D	Water	03/04/21 13:16	03/05/21 13:10
92525919018	PZ-2D	Water	03/08/21 15:34	03/09/21 09:40



SAMPLE ANALYTE COUNT

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92525919001	PZ-32	EPA 6010D	<u> </u>	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919002	PZ-14	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919003	PZ-23A	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919004	DUP-2	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919005	EB-1	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919006	PZ-1D	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919007	PZ-31	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919008	PZ-25	EPA 6010D	KH	1
		EPA 6020B	CW1	10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A		1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919009	DUP-1	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919010	PZ-19	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92525919011	PZ-17	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92525919012	PZ-18	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92525919013	PZ-16	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92525919014	PZ-33	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92525919015	FB-1	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 300.0 Rev 2.1 1993		3
92525919016	PZ-15	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92525919017	PZ-7D	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92525919018	PZ-2D	EPA 6010D	KH	1
		EPA 6020B	CW1	10
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3

PASI-A = Pace Analytical Services - Asheville PASI-C = Pace Analytical Services - Charlotte

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



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab Sample ID	Client Sample ID	5 "		5 (1)		0 110
Method	Parameters —	Result _	Units	Report Limit	Analyzed	Qualifier
2525919001	PZ-32					
	Performed by	CUSTOME R			03/22/21 08:53	
	рН	7.41	Std. Units		03/22/21 08:53	
EPA 6010D	Calcium	64.8	mg/L	1.0	03/12/21 21:58	M1
EPA 6020B	Barium	0.013	mg/L	0.0050	03/16/21 13:04	
EPA 6020B	Boron	0.022J	mg/L	0.040	03/16/21 13:04	
SM 2540C-2011	Total Dissolved Solids	166	mg/L	10.0	03/06/21 09:45	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	03/13/21 14:18	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	03/13/21 14:18	
2525919002	PZ-14					
	Performed by	CUSTOME			03/22/21 08:53	
	рН	R 6.99	Std. Units		03/22/21 08:53	
EPA 6010D	Calcium	114	mg/L	1.0	03/12/21 22:18	
EPA 6020B	Barium	0.017	mg/L	0.0050	03/16/21 13:09	
EPA 6020B	Boron	0.028J	mg/L	0.040	03/16/21 13:09	
EPA 6020B	Chromium	0.00097J	mg/L	0.0050	03/16/21 13:09	
SM 2540C-2011	Total Dissolved Solids	258	mg/L	10.0	03/06/21 09:45	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	03/13/21 14:33	
PA 300.0 Rev 2.1 1993	Sulfate	8.8	mg/L	1.0	03/13/21 14:33	
2525919003	PZ-23A					
	Performed by	CUSTOME			03/22/21 08:53	
	рН	R 6.79	Std. Units		03/22/21 08:53	
EPA 6010D	, Calcium	154	mg/L	1.0		
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	03/16/21 13:32	В
EPA 6020B	Barium	0.039	mg/L	0.0050	03/16/21 13:32	
EPA 6020B	Boron	0.16	mg/L	0.040	03/16/21 13:32	
PA 6020B	Chromium	0.0015J	mg/L	0.0050	03/16/21 13:32	
PA 6020B	Cobalt	0.00049J	mg/L	0.0050	03/16/21 13:32	
PA 6020B	Lead	0.000058J	mg/L	0.0010	03/16/21 13:32	
PA 6020B	Lithium	0.0010J	mg/L	0.030	03/16/21 13:32	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	03/16/21 13:32	
PA 6020B	Thallium	0.00017J	mg/L	0.0010	03/16/21 13:32	
SM 2540C-2011	Total Dissolved Solids	444	mg/L	10.0	03/06/21 09:45	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	03/13/21 14:49	
EPA 300.0 Rev 2.1 1993	Sulfate	66.0	mg/L	1.0	03/13/21 14:49	
2525919004	DUP-2					
	Performed by	CUSTOME R			03/22/21 08:53	
	рН	6.79	Std. Units		03/22/21 08:53	
EPA 6010D	Calcium	153	mg/L	1.0	03/12/21 22:28	
PA 6020B	Antimony	0.00057J	mg/L	0.0030	03/16/21 13:38	В
EPA 6020B	Barium	0.039	mg/L	0.0050	03/16/21 13:38	
PA 6020B	Boron	0.17	mg/L	0.040	03/16/21 13:38	
PA 6020B	Chromium	0.0015J	mg/L	0.0050	03/16/21 13:38	
EPA 6020B	Cobalt	0.00050J	mg/L	0.0050	03/16/21 13:38	

REPORT OF LABORATORY ANALYSIS

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Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
2525919004	DUP-2					
EPA 6020B	Lead	0.00012J	mg/L	0.0010	03/16/21 13:38	
PA 6020B	Lithium	0.0011J	mg/L	0.030	03/16/21 13:38	
PA 6020B	Selenium	0.0024J	mg/L	0.0050	03/16/21 13:38	
PA 6020B	Thallium	0.00015J	mg/L	0.0010	03/16/21 13:38	
M 2540C-2011	Total Dissolved Solids	434	mg/L	10.0	03/06/21 09:45	
PA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	03/13/21 15:04	
PA 300.0 Rev 2.1 1993	Sulfate	66.5	mg/L	1.0	03/13/21 15:04	
2525919005	EB-1					
PA 6020B	Antimony	0.00032J	mg/L	0.0030	03/16/21 13:44	В
2525919006	PZ-1D					
	Performed by	CUSTOME			03/22/21 08:53	
	pН	R 7.56	Std. Units		03/22/21 08:53	
PA 6010D	Calcium	54.7	mg/L	1.0	03/12/21 22:37	
PA 6020B	Antimony	0.00093J	mg/L	0.0030	03/16/21 14:01	В
PA 6020B	Barium	0.015	mg/L	0.0050	03/16/21 14:01	D
PA 6020B	Boron	0.010J	mg/L	0.040	03/16/21 14:01	
PA 6020B	Chromium	0.0018J	mg/L	0.0050	03/16/21 14:01	
PA 6020B	Lead	0.000055J	mg/L	0.0010	03/16/21 14:01	
PA 6020B	Molybdenum	0.00076J	mg/L	0.010	03/16/21 14:01	
M 2540C-2011	Total Dissolved Solids	134	mg/L	10.0	03/06/21 09:46	
PA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	03/13/21 16:06	
PA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	03/13/21 16:06	
2525919007	PZ-31		-			
	Performed by	CUSTOME			03/22/21 08:53	
	, nU	R 7.14	Std. Units		03/22/21 08:53	
PA 6010D	pH Calcium	104		1.0	03/12/21 08:53	
PA 6020B		0.0069	mg/L	1.0 0.0050	03/16/21 14:07	
PA 6020B	Barium Boron	0.0069 0.0087J	mg/L mg/L	0.0030	03/16/21 14:07	
	Chromium	0.00873 0.0015J	•	0.0050	03/16/21 14:07	
PA 6020B M 2540C-2011	Total Dissolved Solids	264	mg/L	10.0	03/06/21 09:46	
PA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	03/06/21 09:46	
PA 300.0 Rev 2.1 1993 PA 300.0 Rev 2.1 1993	Sulfate	0.60J	mg/L mg/L	1.0	03/13/21 16:22	
2525919008	PZ-25	-	J.			
	Performed by	CUSTOME			03/22/21 08:53	
	рН	R 7.04	Std. Units		03/22/21 08:53	
PA 6010D	Calcium	96.8	mg/L	1.0	03/12/21 22:56	
PA 6020B	Barium	0.12	mg/L	0.0050	03/16/21 14:12	
PA 6020B	Boron	0.20	mg/L	0.040	03/16/21 14:12	
PA 6020B	Cobalt	0.0016J	mg/L	0.0050	03/16/21 14:12	
PA 6020B	Lithium	0.0061J	mg/L	0.030	03/16/21 14:12	
PA 6020B	Thallium	0.00036J	mg/L	0.0010	03/16/21 14:12	
M 2540C-2011	Total Dissolved Solids	267	mg/L	10.0	03/06/21 13:08	
	Chloride	1.6	mg/L		03/13/21 16:37	

REPORT OF LABORATORY ANALYSIS

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Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

_ab Sample ID	Client Sample ID					
Method	Parameters —	Result	Units	Report Limit	Analyzed	Qualifiers
2525919008	PZ-25					
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	03/13/21 16:37	
EPA 300.0 Rev 2.1 1993	Sulfate	39.2	mg/L	1.0	03/13/21 16:37	
2525919009	DUP-1					
	Performed by	CUSTOME R			03/22/21 08:53	
	рН	7.04	Std. Units		03/22/21 08:53	
PA 6010D	Calcium	90.9	mg/L	1.0	03/12/21 23:01	
PA 6020B	Barium	0.12	mg/L	0.0050	03/16/21 14:18	
PA 6020B	Boron	0.20	mg/L	0.040	03/16/21 14:18	
PA 6020B	Cobalt	0.0016J	mg/L	0.0050	03/16/21 14:18	
PA 6020B	Lithium	0.0061J	mg/L	0.030	03/16/21 14:18	
PA 6020B	Thallium	0.00036J	mg/L	0.0010		
SM 2540C-2011	Total Dissolved Solids	256	mg/L	10.0		
PA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L		03/13/21 16:53	
PA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L		03/13/21 16:53	
PA 300.0 Rev 2.1 1993	Sulfate	39.2	mg/L	1.0		M1
2525919010	PZ-19					
	Performed by	CUSTOME R			03/22/21 08:53	
	рН	6.78	Std. Units		03/22/21 08:53	
PA 6010D	Calcium	142	mg/L	1.0	03/12/21 23:06	
PA 6020B	Barium	0.055	mg/L	0.0050	03/16/21 14:24	
PA 6020B	Boron	0.50	mg/L	0.040	03/16/21 14:24	
PA 6020B	Lithium	0.015J	mg/L	0.030		
PA 6020B	Molybdenum	0.0021J	mg/L	0.010		
PA 6020B	Selenium	0.0033J	mg/L	0.0050		
PA 6020B	Thallium	0.00072J	mg/L	0.0010		
M 2540C-2011	Total Dissolved Solids	452	mg/L	10.0		
PA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0		
PA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10		
PA 300.0 Rev 2.1 1993	Sulfate	80.8	mg/L	1.0		
2525919011	PZ-17					
	Performed by	CUSTOME R			03/22/21 08:53	
	рН	7.09	Std. Units		03/22/21 08:53	
PA 6010D	Calcium	113	mg/L	1.0	03/12/21 23:11	
PA 6020B	Antimony	0.00055J	mg/L	0.0030	03/16/21 14:30	В
PA 6020B	Barium	0.071	mg/L	0.0050	03/16/21 14:30	
PA 6020B	Boron	0.22	mg/L	0.040		
PA 6020B	Lithium	0.0020J	mg/L	0.030		
PA 6020B	Thallium	0.00039J	mg/L	0.0010		
M 2540C-2011	Total Dissolved Solids	325	mg/L	10.0		
PA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	03/15/21 05:19	
EPA 300.0 Rev 2.1 1993	Sulfate	66.8	mg/L	1.0	03/15/21 05:19	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

PZ-18	Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
Performed by	2525010012	P7-18			- <u>'</u>			
PH	92323 3 19012					03/22/21 08:53		
EPA 6010D Calcium 138 mg/L 1.0 03/12/2* EPA 6020B Barium 0.023 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.37 mg/L 0.040 03/16/2* EPA 6020B Lithium 0.0029J mg/L 0.030 03/16/2* EPA 300.0 Rev 2.1 1993 Chloride 5.1 mg/L 1.0 03/16/2* EPA 300.0 Rev 2.1 1993 Sulfate 88.6 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 88.6 mg/L 1.0 03/15/2* 92525919013 PZ-16 Performed by CUSTOME P		На		Std. Units		03/22/21 08:53		
EPA 6020B Barium 0.023 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.37 mg/L 0.030 03/16/2* EPA 6020B Lithium 0.0029J mg/L 0.030 03/16/2* SM 2540C-2011 Total Dissolved Solids 427 mg/L 1.00 03/08/2* EPA 300.0 Rev 2.1 1993 Sulfate 8.6 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 8.6 mg/L 1.0 03/15/2* 92525919013 PZ-16 PCT6	EPA 6010D				1.0	03/12/21 23:16		
EPA 6020B Boron 0.37 mg/L 0.040 03/16/2* EPA 6020B Lithium 0.0029J mg/L 10.03 03/16/2* EPA 300.0 Rev 2.1 1993 Chloride 5.1 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 88.6 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 88.6 mg/L 1.0 03/15/2* 202525919013 PZ-16 Performed by CUSTOME Performed by Performed by Performed by CUSTOME Performed by CUSTOME <td rowsp<="" td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>				-			
EPA 6020B				•				
SM 2540C-2011 Total Dissolved Solids				•	0.030			
EPA 300.0 Rev 2.1 1993	SM 2540C-2011	Total Dissolved Solids	427	•	10.0	03/08/21 11:07		
PZ-16	EPA 300.0 Rev 2.1 1993	Chloride	5.1	-	1.0			
Performed by CUSTOME R pH 7.34 Std. Units 03/22/21 EPA 6010D Calcium 90.9 mg/L 1.0 03/12/21 EPA 6020B Barium 0.035 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.20 mg/L 0.040 03/16/22 EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/22 EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/22 EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/22 EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/05/21 EPA 300.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/15/21 EPA 6020B PH 7.22 Std. Units 03/22/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Boron 0.34 mg/L 1.0 03/16/22 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/16/22 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/16/22 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/16/22 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/16/22 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/22 EPA 6020B Barium 0.0014J mg/L 0.0040 03/16/22 EPA 6020B Barium 0.0014J mg/L 0.0040 03/16/22 EPA 6020B Barium 0.0014J mg/L 0.0040 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0040 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0040 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0010 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0010 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0010 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0010 03/16/22 EPA 6020B Thallium 0.0014J mg/L 0.0010 03/16/22		Sulfate		-	1.0	03/15/21 05:34		
PH 7.34 Std. Units 03/22/2*	2525919013	PZ-16						
PH		Performed by				03/22/21 08:53		
EPA 6010D Calcium 90.9 mg/L 1.0 03/12/2* EPA 6020B Barium 0.035 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.20 mg/L 0.0040 03/16/2* EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/2* SM 2540C-2011 Total Dissolved Solids 264 mg/L 10.0 03/08/2* EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/2* EPA 6010D Calcium 106 mg/L 1.0 03/22/2* EPA 6020B Barium 0.047 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.34 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.34 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.34 mg/L 1.0 03/16/2* EPA 300.0 Rev 2.1 199		nH		Std Units		03/22/21 08:53		
EPA 6020B Barium 0.035 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.20 mg/L 0.040 03/16/2* EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/2* EPA 6020B Total Dissolved Solids 264 mg/L 1.0 03/08/2* EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/2* BPA 500.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/2* BPA 6010D Calcium 106 mg/L 1.0 03/12/2* EPA 6020B Barium 0.047 mg/L 0.0050 03/16/2* EPA 6020B Boron 0.34 mg/L 1.0 03/16/2* EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/2*	FPA 6010D	· ·			1 0			
EPA 6020B Boron 0.20 mg/L 0.040 03/16/2* EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/2* SM 2540C-2011 Total Dissolved Solids 264 mg/L 10.0 03/08/2* EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/2* 25255919014 PZ-33 Performed by CUSTOME R 03/22/2* EPA 6010D Calcium 106 mg/L 1.0 03/12/2* EPA 6020B Barium 0.047 mg/L 0.040 03/16/2* SIM 2540C-2011 Total Dissolved Solids 283 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/2* 2525919016 PZ-15 Performed by CUSTOME CUSTOME O3/22/2* EPA 6010D Calcium <				-		03/16/21 14:41		
EPA 6020B Chromium 0.0012J mg/L 0.0050 03/16/2* SM 2540C-2011 Total Dissolved Solids 264 mg/L 10.0 03/08/2* EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/2* 202525919014 PZ-33 Performed by CUSTOME R Performed by CUSTOME Performed by CUSTOME Performed by CUSTOME R 03/22/2* EPA 6010D Calcium 106 mg/L 1.0 03/16/2* EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/16/2* SEPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/22/2* 102525919016 PZ-15 Performed by CUSTOME Performed by CUSTOME Performed by CUSTOME O3/22/2* <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>				-				
SM 2540C-2011 Total Dissolved Solids 264 mg/L 10.0 03/08/2* EPA 300.0 Rev 2.1 1993 Chloride 5.9 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 38.9 mg/L 1.0 03/15/2* 102525919014 PZ-33 Performed by CUSTOME R Performed by CUSTOME R Performed by CUSTOME R Performed by CUSTOME R Performed by GEVEN Std. Units 03/22/2* EPA 6010D Calcium 106 mg/L 1.0 03/16/2* EPA 6020B Boron 0.34 mg/L 0.040 03/16/2* EPA 6020B Boron 0.34 mg/L 10.0 03/16/2* EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/2* EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/22/2* 12525919016 PZ-15 Performed by CUSTOME R <td row<="" td=""><td></td><td></td><td></td><td>Ū</td><td></td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td>Ū</td> <td></td> <td></td> <td></td>				Ū			
EPA 300.0 Rev 2.1 1993				•				
PZ-33				-				
Performed by CUSTOME R pH 7.22 Std. Units 03/22/21 EPA 6010D Calcium 106 mg/L 1.0 03/12/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.34 mg/L 0.040 03/16/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 6010D Calcium 107 mg/L 0.0050 03/16/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.0050 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Lithium 0.00012J mg/L 0.0010 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/08/21				-				
PH 7.22 Std. Units 03/22/21/21/22 Std. Units 0.0050 03/16/21/21/21/22 Std. Units 0.0050 03/16/21/21/21/22 Std. Units 0.0050 03/16/21/21/21/21/21/21/21/21/21/21/21/21/21/	2525919014	PZ-33						
EPA 6010D Calcium 106 mg/L 1.0 03/12/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.34 mg/L 0.040 03/16/21 SM 2540C-2011 Total Dissolved Solids 283 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 BEPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 BEPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 BEPA 5 CUSTOME R 03/22/21 03/22/21 R 03/22/21 R 03/22/21 R 03/22/21 1.0 03/22/21 03/22/21 1.0 03/22/21 03/22/21 1.0 03/16/21 03/16/21 0.0 03/16/21 0.0 03/16/21 0.0 03/16/21 0.0 03/16/21		Performed by				03/22/21 08:53		
EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.34 mg/L 0.040 03/16/21 SM 2540C-2011 Total Dissolved Solids 283 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 6010D Performed by CUSTOME 03/22/21 03/22/21 EPA 6020B Barium 107 mg/L 1.0 03/12/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.0010 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM		рН	7.22			03/22/21 08:53		
Boron 0.34 mg/L 0.040 03/16/21 SM 2540C-2011 Total Dissolved Solids 283 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 02525919016 PZ-15 Performed by CUSTOME R DH 7.09 Std. Units 03/22/21 SEPA 6010D Calcium 107 mg/L 1.0 03/12/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.0012J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 Chloride 6.3 mg/L 1.0 03/15/21 Chl	EPA 6010D	Calcium	106	mg/L	1.0	03/12/21 23:25		
SM 2540C-2011 Total Dissolved Solids 283 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 1.8 mg/L 1.0 03/15/21 EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 12525919016 PZ-15 Performed by CUSTOME R DH 7.09 Std. Units 03/22/21 R DH 7.09 Std. Units 03/22/21 R DH 7.09 Std. Units 03/22/21 DEPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 DEPA 6020B Boron 0.16 mg/L 0.040 03/16/21 DEPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 DEPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 DEPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 DEPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 DEPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 DEPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21 DEPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21		Barium		•		03/16/21 14:47		
EPA 300.0 Rev 2.1 1993				-		03/16/21 14:47		
EPA 300.0 Rev 2.1 1993 Sulfate 49.3 mg/L 1.0 03/15/21 2525919016 PZ-15 Performed by CUSTOME R pH 7.09 Std. Units 03/22/21 EPA 6010D Calcium 107 mg/L 1.0 03/12/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/08/21						03/08/21 11:07		
PZ-15 Performed by DH PH PH PERFORME PH PH PH PH PH PH PH PH PH P				-				
Performed by CUSTOME R pH 7.09 Std. Units 03/22/21 EPA 6010D Calcium 107 mg/L EPA 6020B Barium 0.047 mg/L EPA 6020B EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 6020B SM 2540C-2011 Total Dissolved Solids 300 mg/L 1.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 03/22/21			49.3	mg/L	1.0	03/15/21 07:34		
R pH 7.09 Std. Units 03/22/21 EPA 6010D Calcium 107 mg/L 1.0 03/12/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21	2525919016		CUCTOME			00/00/04 00 50		
EPA 6010D Calcium 107 mg/L 1.0 03/12/21 EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21		Performed by				03/22/21 08:53		
EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21		рН	7.09	Std. Units		03/22/21 08:53		
EPA 6020B Barium 0.047 mg/L 0.0050 03/16/21 EPA 6020B Boron 0.16 mg/L 0.040 03/16/21 EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21	EPA 6010D	Calcium	107	mg/L	1.0	03/12/21 23:35		
EPA 6020B Lithium 0.0014J mg/L 0.030 03/16/21 EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21	EPA 6020B	Barium	0.047	mg/L	0.0050	03/16/21 15:16		
EPA 6020B Thallium 0.00022J mg/L 0.0010 03/16/21 SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21	EPA 6020B	Boron	0.16	mg/L	0.040	03/16/21 15:16		
SM 2540C-2011 Total Dissolved Solids 300 mg/L 10.0 03/08/21 EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21		Lithium	0.0014J	mg/L	0.030	03/16/21 15:16		
EPA 300.0 Rev 2.1 1993 Chloride 6.3 mg/L 1.0 03/15/21	EPA 6020B	Thallium	0.00022J	mg/L				
y	SM 2540C-2011	Total Dissolved Solids	300	mg/L	10.0	03/08/21 11:08		
EPA 300.0 Rev 2.1 1993 Sulfate 74.1 mg/L 1.0 03/15/21	EPA 300.0 Rev 2.1 1993	Chloride	6.3	mg/L	1.0	03/15/21 08:04		
	EPA 300.0 Rev 2.1 1993	Sulfate	74.1	mg/L	1.0	03/15/21 08:04		
2525919017 PZ-7D	2525919017	PZ-7D						
Performed by CUSTOME 03/22/21		Performed by				03/22/21 08:53		

REPORT OF LABORATORY ANALYSIS

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Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92525919017	PZ-7D					
	pН	6.95	Std. Units		03/22/21 08:53	
EPA 6010D	Calcium	122	mg/L	1.0	03/12/21 23:49	
EPA 6020B	Barium	0.0061	mg/L	0.0050	03/16/21 15:22	
EPA 6020B	Boron	0.20	mg/L	0.040	03/16/21 15:22	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	03/16/21 15:22	
EPA 6020B	Lead	0.000041J	mg/L	0.0010	03/16/21 15:22	
EPA 6020B	Lithium	0.0031J	mg/L	0.030	03/16/21 15:22	
EPA 6020B	Selenium	0.0018J	mg/L	0.0050	03/16/21 15:22	
SM 2540C-2011	Total Dissolved Solids	335	mg/L	10.0	03/08/21 11:08	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	03/15/21 08:19	
EPA 300.0 Rev 2.1 1993	Sulfate	49.7	mg/L	1.0	03/15/21 08:19	
2525919018	PZ-2D					
	Performed by	CUSTOME R			03/22/21 08:53	
	рН	7.77	Std. Units		03/22/21 08:53	
EPA 6010D	Calcium	41.7	mg/L	1.0	03/12/21 23:54	
EPA 6020B	Antimony	0.00030J	mg/L	0.0030	03/16/21 15:27	В
EPA 6020B	Barium	0.0065	mg/L	0.0050	03/16/21 15:27	
EPA 6020B	Boron	0.013J	mg/L	0.040	03/16/21 15:27	
EPA 6020B	Chromium	0.0028J	mg/L	0.0050	03/16/21 15:27	
EPA 6020B	Lead	0.000062J	mg/L	0.0010	03/16/21 15:27	
EPA 6020B	Lithium	0.0019J	mg/L	0.030	03/16/21 15:27	
SM 2540C-2011	Total Dissolved Solids	126	mg/L	10.0	03/10/21 17:21	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	03/16/21 08:56	
EPA 300.0 Rev 2.1 1993	Sulfate	2.7	mg/L	1.0	03/16/21 08:56	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-32	Lab ID:	92525919001	Collecte	ed: 03/03/2	1 10:15	Received: 03/	05/21 09:45 Ma	atrix: Water	
5 .	5 "	11.5	Report	145	55	5		04041	•
Parameters	Results -	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Ana	lytical Services	- Charlotte	;					
Performed by	CUSTOME				1		03/22/21 08:53		
рН	R 7.41	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA	6010D Pre	paration Me	thod: E	PA 3010A			
	Pace Ana	lytical Services	- Peachtre	e Corners, (GΑ				
Calcium	64.8	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 21:58	7440-70-2	M1
6020 MET ICPMS	Analytical	Method: EPA	6020B Pre	paration Me	thod: E	PA 3005A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	GΑ				
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 13:04	7440-36-0	
Barium	0.013	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 13:04	7440-39-3	
Boron	0.022J	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 13:04	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 13:04	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 13:04	7440-48-4	
Lead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 13:04	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 13:04	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 13:04	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 13:04	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 13:04	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Prej	paration Met	thod: El	PA 7470A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	GΑ				
Mercury	ND	mg/L	0.00020	0.000078	1	03/08/21 09:00	03/08/21 16:45	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Ana	lytical Services	- Peachtre	e Corners, (GΑ				
Total Dissolved Solids	166	mg/L	10.0	10.0	1		03/06/21 09:45		
300.0 IC Anions 28 Days	•	Method: EPA							
	Pace Ana	lytical Services	- Asheville						
Chloride	2.2	mg/L	1.0	0.60	1		03/13/21 14:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 14:18	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		03/13/21 14:18		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-14	Lab ID:	92525919002	Collecte	d: 03/03/21	13:20	Received: 03/	/05/21 09:45 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: lytical Services	- Charlotte						
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	6.99	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	•	Method: EPA 6 lytical Services				PA 3010A			
Calcium	114	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:18	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 lytical Services	•			PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 13:09	7440-36-0	
Barium	0.017	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 13:09	7440-39-3	
Boron	0.028J	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 13:09	7440-42-8	
Chromium	0.00097J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 13:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 13:09	7440-48-4	
_ead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 13:09	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 13:09	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 13:09	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 13:09	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 13:09	7440-28-0	
7470 Mercury		Method: EPA 7 lytical Services				PA 7470A			
Mercury	ND	mg/L	0.00020	0.000078	1	03/08/21 09:00	03/08/21 16:55	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 25 lytical Services		Corners, G	iΑ				
Total Dissolved Solids	258	mg/L	10.0	10.0	1		03/06/21 09:45		
300.0 IC Anions 28 Days	•	Method: EPA 3 lytical Services		1 1993					
Chloride	4.2	mg/L	1.0	0.60	1		03/13/21 14:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 14:33		
Sulfate	8.8	mg/L	1.0	0.50	1		03/13/21 14:33		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-23A	Lab ID:	92525919003	Collecte	ed: 03/03/2	1 16:15	Received: 03/	05/21 09:45 Ma	atrix: Water	
			Report					0.0	
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Ana	lytical Services	- Charlotte						
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	6.79	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA	6010D Pre	paration Me	thod: Ef	PA 3010A			
	Pace Ana	lytical Services	- Peachtre	e Corners, (GΑ				
Calcium	154	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:23	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA	6020B Prep	paration Me	thod: EF	PA 3005A			
	Pace Ana	lytical Services	- Peachtre	e Corners, (GΑ				
Antimony	0.0017J	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 13:32	7440-36-0	В
Barium	0.039	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 13:32	7440-39-3	
Boron	0.16	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 13:32	7440-42-8	
Chromium	0.0015J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 13:32	7440-47-3	
Cobalt	0.00049J	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 13:32	7440-48-4	
Lead	0.000058J	mg/L	0.0010	0.000036	1		03/16/21 13:32		
_ithium	0.0010J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 13:32	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 13:32	7439-98-7	
Selenium	0.0025J	mg/L	0.0050	0.0016	1		03/16/21 13:32		
Thallium	0.00017J	mg/L	0.0010	0.00014	1		03/16/21 13:32		
7470 Mercury	Analytical	Method: EPA	7470A Prep	paration Met	thod: EF	PA 7470A			
	Pace Ana	lytical Services	- Peachtre	e Corners, (GΑ				
Mercury	ND	mg/L	0.00020	0.000078	1	03/08/21 09:00	03/08/21 16:57	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Ana	lytical Services	- Peachtre	e Corners, (GΑ				
Total Dissolved Solids	444	mg/L	10.0	10.0	1		03/06/21 09:45		
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Ana	lytical Services	- Asheville						
Chloride	4.7	mg/L	1.0	0.60	1		03/13/21 14:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 14:49	16984-48-8	
Sulfate	66.0	mg/L	1.0	0.50	1		03/13/21 14:49	14808-79-8	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: DUP-2	Lab ID:	92525919004	Collecte	d: 03/03/2	1 00:00	Received: 03/	05/21 09:45 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Anal	Method: ytical Services	- Charlotte						
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	6.79	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	153	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:28	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services				PA 3005A			
Antimony	0.00057J	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 13:38	7440-36-0	В
Barium	0.039	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 13:38	7440-39-3	
Boron	0.17	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 13:38	7440-42-8	
Chromium	0.0015J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 13:38	7440-47-3	
Cobalt	0.00050J	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 13:38	7440-48-4	
Lead	0.00012J	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 13:38	7439-92-1	
Lithium	0.0011J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 13:38	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 13:38	7439-98-7	
Selenium	0.0024J	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 13:38	7782-49-2	
Thallium	0.00015J	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 13:38	7440-28-0	
7470 Mercury	-	Method: EPA 7				PA 7470A			
Mercury	ND	mg/L	0.00020		1	03/08/21 09:00	03/08/21 16:59	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 25		e Corners, 0	ЗA				
Total Dissolved Solids	434	mg/L	10.0	10.0	1		03/06/21 09:45		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	4.7	mg/L	1.0	0.60	1		03/13/21 15:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 15:04		
Sulfate	66.5	mg/L	1.0	0.50	1		03/13/21 15:04		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: EB-1	Lab ID:	9252591900		ed: 03/03/2	09:55	Received: 03/	/05/21 09:45 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
6010D ATL ICP	-		A 6010D Prepes - Peachtre			PA 3010A			
Calcium	ND	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:33	7440-70-2	
6020 MET ICPMS	•		A 6020B Prepes - Peachtre			PA 3005A			
Antimony	0.00032J	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 13:44	7440-36-0	В
Barium	ND	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 13:44	7440-39-3	
Boron	ND	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 13:44	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 13:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 13:44	7440-48-4	
₋ead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 13:44	7439-92-1	
_ithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 13:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 13:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 13:44	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 13:44	7440-28-0	
7470 Mercury	•		A 7470A Prepes - Peachtre			PA 7470A			
Mercury	ND	mg/L	0.00020	0.000078	1	03/08/21 09:00	03/08/21 17:02	7439-97-6	
2540C Total Dissolved Solids	•		2540C-2011 es - Peachtre	e Corners, C	S A				
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/06/21 09:46		
300.0 IC Anions 28 Days	•		A 300.0 Rev 2 es - Asheville						
Chloride	ND	mg/L	1.0	0.60	1		03/13/21 15:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 15:51		
Sulfate	ND	mg/L	1.0	0.50	1		03/13/21 15:51		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-1D	Lab ID:	92525919006	Collecte	ed: 03/03/2	1 11:15	Received: 03/	05/21 09:45 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL_	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte	;					
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	7.56	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA 6	010D Pre	paration Me	thod: EF	PA 3010A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	ЭΑ				
Calcium	54.7	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:37	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	βA				
Antimony	0.00093J	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:01	7440-36-0	В
Barium	0.015	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:01	7440-39-3	
Boron	0.010J	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:01	7440-42-8	
Chromium	0.0018J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:01	7440-48-4	
Lead	0.000055J	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:01	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:01	7439-93-2	
Molybdenum	0.00076J	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:01	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:01	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:01	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	470A Prej	paration Met	hod: EF	A 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	βA				
Mercury	ND	mg/L	0.00020	0.000078	1	03/08/21 09:00	03/08/21 17:04	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 25	540C-2011						
	Pace Anal	ytical Services	- Peachtre	e Corners, 0	βA				
Total Dissolved Solids	134	mg/L	10.0	10.0	1		03/06/21 09:46		
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	00.0 Rev 2	2.1 1993					
•	Pace Anal	ytical Services	- Asheville						
Chloride	2.8	mg/L	1.0	0.60	1		03/13/21 16:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 16:06	16984-48-8	
Sulfate	2.2	mg/L	1.0	0.50	1		03/13/21 16:06	14808-79-8	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-31	Lab ID:	92525919007	Collecte	ed: 03/03/2	1 13:40	Received: 03/	/05/21 09:45 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical N Pace Analy	Method: rtical Services	- Charlotte						
Performed by	CUSTOME R				1		03/22/21 08:53		
рН		Std. Units			1		03/22/21 08:53		
6010D ATL ICP	•	Method: EPA 6 rtical Services				PA 3010A			
Calcium	104	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:42	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 rtical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:07	7440-36-0	
Barium	0.0069	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:07	7440-39-3	
Boron	0.0087J	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:07	7440-42-8	
Chromium	0.0015J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:07	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:07	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:07	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:07	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:07	7440-28-0	
7470 Mercury		Method: EPA 7 rtical Services				PA 7470A			
Mercury	ND	mg/L	0.00020	0.000078	1	03/10/21 13:05	03/11/21 11:42	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 rtical Services		e Corners, C	ΘA				
Total Dissolved Solids	264	mg/L	10.0	10.0	1		03/06/21 09:46		
300.0 IC Anions 28 Days	-	Method: EPA 3 rtical Services							
Chloride	3.1	mg/L	1.0	0.60	1		03/13/21 16:22	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/13/21 16:22		
Sulfate	0.60J	mg/L	1.0	0.50	1		03/13/21 16:22		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-25	Lab ID:	92525919008	Collecte	d: 03/03/21	13:46	Received: 03/	05/21 09:45 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: ytical Services	- Charlotte						
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	7.04	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	96.8	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 22:56	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services	•			PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:12	7440-36-0	
Barium	0.12	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:12	7440-39-3	
Boron	0.20	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:12	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:12	7440-47-3	
Cobalt	0.0016J	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:12	7440-48-4	
_ead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:12	7439-92-1	
_ithium	0.0061J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:12	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:12	7782-49-2	
Thallium	0.00036J	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:12	7440-28-0	
7470 Mercury		Method: EPA 7 ytical Services				A 7470A			
Mercury	ND	mg/L	0.00020	0.000078	1	03/10/21 13:05	03/11/21 11:44	7439-97-6	
2540C Total Dissolved Solids	,	Method: SM 25 ytical Services		e Corners, G	iΑ				
Total Dissolved Solids	267	mg/L	10.0	10.0	1		03/06/21 13:08		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services		.1 1993					
Chloride	1.6	mg/L	1.0	0.60	1		03/13/21 16:37	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		03/13/21 16:37		
Sulfate	39.2	mg/L	1.0	0.50	1		03/13/21 16:37		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: DUP-1	Lab ID:	92525919009	Collecte	ed: 03/03/2	00:00	Received: 03/	05/21 09:45 Ma	atrix: Water	
_			Report						_
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Ana	lytical Services	- Charlotte						
Performed by	CUSTOME				1		03/22/21 08:53		
рН	R 7.04	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA 6	010D Pre	paration Met	hod: Ef	PA 3010A			
	•	lytical Services							
Calcium	90.9	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:01	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Ana	lytical Services	- Peachtre	e Corners, C	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:18	7440-36-0	
Barium	0.12	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:18	7440-39-3	
Boron	0.20	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:18	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:18	7440-47-3	
Cobalt	0.0016J	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:18	7439-92-1	
Lithium	0.0061J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:18	7782-49-2	
Thallium	0.00036J	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:18	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	7470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Ana	lytical Services	- Peachtre	e Corners, C	SA.				
Mercury	ND	mg/L	0.00020	0.000078	1	03/10/21 13:05	03/11/21 11:51	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Ana	lytical Services	- Peachtre	e Corners, C	SA.				
Total Dissolved Solids	256	mg/L	10.0	10.0	1		03/06/21 13:09		
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	300.0 Rev 2	2.1 1993					
	Pace Ana	lytical Services	- Asheville						
Chloride	1.6	mg/L	1.0	0.60	1		03/13/21 16:53	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		03/13/21 16:53	16984-48-8	
Sulfate	39.2	mg/L	1.0	0.50	1		03/13/21 16:53		M1



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-19	Lab ID:	92525919010	Collecte	ed: 03/03/2 ⁻	1 16:00	Received: 03/	/05/21 09:45 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Faianieleis	<u> </u>	Office		IVIDE		- 	- Analyzeu	- CAS NO.	— Qua
Field Data	Analytical	Method:							
	Pace Ana	lytical Services	- Charlotte	:					
Performed by	CUSTOME				1		03/22/21 08:53		
рН	R 6.78	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA	6010D Pre	paration Me	thod: E	PA 3010A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	ЭΑ				
Calcium	142	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:06	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA	6020B Pre	paration Met	hod: E	PA 3005A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	ЭΑ				
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:24	7440-36-0	
Barium	0.055	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:24		
Boron	0.50	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:24	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:24	7440-48-4	
_ead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:24	7439-92-1	
_ithium	0.015J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:24	7439-93-2	
Molybdenum	0.0021J	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:24	7439-98-7	
Selenium	0.0033J	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:24	7782-49-2	
Γhallium	0.00072J	mg/L	0.0010	0.00014	1		03/16/21 14:24		
7470 Mercury	Analytical	Method: EPA	7470A Prep	paration Met	hod: El	PA 7470A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	ЭΑ				
Mercury	ND	mg/L	0.00020	0.000078	1	03/10/21 13:05	03/11/21 11:54	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Ana	lytical Services	- Peachtre	e Corners, (ЭΑ				
Total Dissolved Solids	452	mg/L	10.0	10.0	1		03/06/21 13:09		
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Ana	lytical Services	- Asheville						
Chloride	4.0	mg/L	1.0	0.60	1		03/13/21 17:39	16887-00-6	
Fluoride	0.058J	mg/L	0.10	0.050	1		03/13/21 17:39		
Sulfate	80.8	mg/L	1.0	0.50	1		03/13/21 17:39		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-17	Lab ID:	92525919011	Collecte	ed: 03/04/2	1 10:00	Received: 03/	/05/21 13:10 Ma	atrix: Water	
<u>_</u>			Report						
Parameters	Results -	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Ana	lytical Services	s - Charlotte	:					
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	7.09	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA	6010D Pre	paration Me	thod: Ef	PA 3010A			
	Pace Ana	lytical Services	s - Peachtre	e Corners, (βA				
Calcium	113	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:11	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA	6020B Pre	paration Me	hod: EF	PA 3005A			
	Pace Ana	lytical Services	s - Peachtre	e Corners, (βA				
Antimony	0.00055J	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:30	7440-36-0	В
Barium	0.071	mg/L	0.0050	0.00071	1		03/16/21 14:30		_
Boron	0.22	mg/L	0.040	0.0052	1		03/16/21 14:30		
Chromium	ND	mg/L	0.0050	0.00055	1		03/16/21 14:30		
Cobalt	ND	mg/L	0.0050	0.00038	1		03/16/21 14:30		
Lead	ND	mg/L	0.0010	0.000036	1		03/16/21 14:30		
Lithium	0.0020J	mg/L	0.030	0.00081	1		03/16/21 14:30		
Molybdenum	ND	mg/L	0.010	0.00069	1		03/16/21 14:30		
Selenium	ND	mg/L	0.0050	0.0016	1		03/16/21 14:30		
Thallium	0.00039J	mg/L	0.0010	0.00014	1		03/16/21 14:30		
7470 Mercury	Analytical	Method: EPA	7470A Prep	paration Met	hod: EF	PA 7470A			
	Pace Ana	lytical Services	s - Peachtre	e Corners, 0	3A				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 09:35	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	2540C-2011						
	Pace Ana	lytical Services	s - Peachtre	e Corners, (ЭΑ				
Total Dissolved Solids	325	mg/L	10.0	10.0	1		03/08/21 11:07		
300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0 Rev 2	2.1 1993					
	Pace Ana	lytical Services	s - Asheville						
Chloride	4.2	mg/L	1.0	0.60	1		03/15/21 05:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 05:19	16984-48-8	
Sulfate	66.8	mg/L	1.0	0.50	1		03/15/21 05:19	14808-79-8	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-18	Lab ID:	92525919012	Collecte	ed: 03/04/2	1 11:05	Received: 03/	05/21 13:10 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Pace Anal	Method: ytical Services	- Charlotte						
Performed by	CUSTOME	•			1		03/22/21 08:53		
рН	R 6.91	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	•	Method: EPA 6 ytical Services				PA 3010A			
Calcium	138	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:16	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 ytical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:35	7440-36-0	
Barium	0.023	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:35	7440-39-3	
Boron	0.37	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:35	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:35	7439-92-1	
Lithium	0.0029J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:35	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:35	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:35	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:35	7440-28-0	
7470 Mercury		Method: EPA 7 ytical Services				PA 7470A			
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 09:38	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 29 ytical Services		e Corners, C	ΘA				
Total Dissolved Solids	427	mg/L	10.0	10.0	1		03/08/21 11:07		
300.0 IC Anions 28 Days	•	Method: EPA 3 ytical Services							
Chloride	5.1	mg/L	1.0	0.60	1		03/15/21 05:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 05:34		
Sulfate	88.6	mg/L	1.0	0.50	1		03/15/21 05:34		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-16	Lab ID:	92525919013	Collecte	ed: 03/04/2	1 11:15	Received: 03/	/05/21 13:10 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Anal	ytical Services	- Charlotte	;					
Performed by	CUSTOME				1		03/22/21 08:53		
рН	R 7.34	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	•	Method: EPA 6 lytical Services		•		PA 3010A			
Calcium	90.9	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:21	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6		•		PA 3005A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	3A				
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:41	7440-36-0	
Barium	0.035	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:41	7440-39-3	
Boron	0.20	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:41	7440-42-8	
Chromium	0.0012J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:41	7440-48-4	
Lead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:41	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:41	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:41	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:41	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:41	7440-28-0	
7470 Mercury		Method: EPA 7				PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	3A				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 09:47	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 25 ytical Services		e Corners, C	ЭΑ				
Total Dissolved Solids	264	mg/L	10.0	10.0	1		03/08/21 11:07		
300.0 IC Anions 28 Days	•	Method: EPA 3							
	Pace Anal	ytical Services	- Asheville						
Chloride	5.9	mg/L	1.0	0.60	1		03/15/21 06:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 06:49	16984-48-8	
Sulfate	38.9	mg/L	1.0	0.50	1		03/15/21 06:49	14808-79-8	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-33	Lab ID:	92525919014	Collecte	ed: 03/04/2	1 14:05	Received: 03/	/05/21 13:10 Ma	atrix: Water	
			Report						
Parameters	Results -	Units	Limit	MDL_	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical	Method:							
	Pace Ana	lytical Services	- Charlotte)					
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	7.22	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA	6010D Pre	paration Me	thod: E	PA 3010A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	ЭA				
Calcium	106	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:25	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA	6020B Pre	paration Me	thod: E	PA 3005A			
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	ЭA				
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:47	7440-36-0	
Barium	0.047	mg/L	0.0050	0.00071	1		03/16/21 14:47		
Boron	0.34	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 14:47	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 14:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:47	7440-48-4	
Lead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:47	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:47	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:47	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:47	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:47	7440-28-0	
7470 Mercury	Analytical	Method: EPA	7470A Pre	paration Met	thod: El	PA 7470A			
	Pace Ana	lytical Services	s - Peachtre	e Corners, 0	ЗA				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 09:50	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 2	540C-2011						
	Pace Ana	lytical Services	- Peachtre	e Corners, 0	GΑ				
Total Dissolved Solids	283	mg/L	10.0	10.0	1		03/08/21 11:07		
300.0 IC Anions 28 Days	•	Method: EPA lytical Services							
Chloride	1.8	mg/L	1.0	0.60	1		03/15/21 07:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 07:34	16984-48-8	
Sulfate	49.3	mg/L	1.0	0.50	1		03/15/21 07:34	14808-79-8	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: FB-1	Lab ID:	925259190		d: 03/04/2	1 08:30	Received: 03/	/05/21 13:10 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
6010D ATL ICP	Analytical	Method: EPA	A 6010D Prep	paration Met	hod: E	PA 3010A			
	Pace Anal	ytical Servic	es - Peachtre	e Corners, C	βA				
Calcium	ND	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:30	7440-70-2	
6020 MET ICPMS	Analytical	Method: EP/	A 6020B Prep	paration Met	hod: El	PA 3005A			
	Pace Anal	ytical Servic	es - Peachtre	e Corners, C	βA				
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 14:53	7440-36-0	
Barium	ND	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 14:53		
Boron	ND	mg/L	0.040	0.0052	1	03/12/21 12:22			
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22			
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 14:53	7440-48-4	
_ead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 14:53	7439-92-1	
Lithium	ND	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 14:53	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 14:53	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 14:53	7782-49-2	
Γhallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 14:53	7440-28-0	
7470 Mercury	Analytical	Method: EPA	A 7470A Prep	aration Met	hod: El	PA 7470A			
	Pace Anal	ytical Servic	es - Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 09:52	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM	2540C-2011						
	Pace Anal	ytical Servic	es - Peachtre	e Corners, C	€A				
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/08/21 11:07		
300.0 IC Anions 28 Days	Analytical	Method: EP/	A 300.0 Rev 2	.1 1993					
	Pace Anal	ytical Servic	es - Asheville						
Chloride	ND	mg/L	1.0	0.60	1		03/15/21 07:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 07:49		
Sulfate	ND	mg/L	1.0	0.50	1		03/15/21 07:49		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-15	Lab ID:	92525919016	Collecte	ed: 03/04/2	1 10:46	Received: 03/	/05/21 13:10 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: lytical Services	- Charlotte	•					
Performed by	CUSTOME R				1		03/22/21 08:53		
Н	7.09	Std. Units			1		03/22/21 08:53		
6010D ATL ICP		Method: EPA 6 lytical Services				PA 3010A			
Calcium	107	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:35	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 lytical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 15:16	7440-36-0	
Barium	0.047	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 15:16	7440-39-3	
Boron	0.16	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 15:16	7440-42-8	
Chromium	ND	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 15:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 15:16	7440-48-4	
.ead	ND	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 15:16	7439-92-1	
ithium	0.0014J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 15:16	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 15:16	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 15:16	7782-49-2	
⁻ hallium	0.00022J	mg/L	0.0010	0.00014	1		03/16/21 15:16		
7470 Mercury	-	Method: EPA 7				PA 7470A			
	Pace Ana	lytical Services	- Peachtre	e Corners, (€A				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 09:59	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 29 lytical Services		e Corners, 0	θA				
Total Dissolved Solids	300	mg/L	10.0	10.0	1		03/08/21 11:08		
300.0 IC Anions 28 Days	•	Method: EPA 3 lytical Services							
Chloride	6.3	mg/L	1.0	0.60	1		03/15/21 08:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 08:04		
Sulfate	74.1	mg/L	1.0	0.50	1		03/15/21 08:04		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-7D	Lab ID:	92525919017	Collecte	ed: 03/04/2	1 13:16	Received: 03/	05/21 13:10 Ma	atrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
Field Data	Analytical Pace Ana	Method: lytical Services	- Charlotte	:					
Performed by	CUSTOME R				1		03/22/21 08:53		
Н	6.95	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	-	Method: EPA 6 lytical Services				PA 3010A			
Calcium	122	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:49	7440-70-2	
6020 MET ICPMS	•	Method: EPA 6 lytical Services				PA 3005A			
Antimony	ND	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 15:22	7440-36-0	
sarium	0.0061	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 15:22	7440-39-3	
Boron	0.20	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 15:22	7440-42-8	
Chromium	0.0024J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 15:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 15:22	7440-48-4	
.ead	0.000041J	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 15:22	7439-92-1	
ithium	0.0031J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 15:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 15:22	7439-98-7	
Selenium	0.0018J	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 15:22	7782-49-2	
⁻ hallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 15:22	7440-28-0	
7470 Mercury	-	Method: EPA 7				PA 7470A			
	Pace Ana	lytical Services	- Peachtre	e Corners, C	3A				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 10:02	7439-97-6	
2540C Total Dissolved Solids	•	Method: SM 2		e Corners, C	θA				
Total Dissolved Solids	335	mg/L	10.0	10.0	1		03/08/21 11:08		
300.0 IC Anions 28 Days	•	Method: EPA 3 lytical Services							
Chloride	4.0	mg/L	1.0	0.60	1		03/15/21 08:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/21 08:19		
Sulfate	49.7	mg/L	1.0	0.50	1		03/15/21 08:19		



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Sample: PZ-2D	Lab ID:	92525919018	Collecte	ed: 03/08/2	1 15:34	Received: 03/	09/21 09:40 Ma	atrix: Water	
			Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical	Method:							
	Pace Analy	ytical Services	- Charlotte)					
Performed by	CUSTOME R				1		03/22/21 08:53		
рН	7.77	Std. Units			1		03/22/21 08:53		
6010D ATL ICP	Analytical	Method: EPA 6	010D Pre	paration Met	hod: EF	PA 3010A			
	Pace Analy	ytical Services	- Peachtre	e Corners, C	βA				
Calcium	41.7	mg/L	1.0	0.070	1	03/12/21 12:18	03/12/21 23:54	7440-70-2	
6020 MET ICPMS	Analytical	Method: EPA 6	020B Pre	paration Met	hod: EF	PA 3005A			
	Pace Analy	ytical Services	- Peachtre	e Corners, C	SA.				
Antimony	0.00030J	mg/L	0.0030	0.00028	1	03/12/21 12:22	03/16/21 15:27	7440-36-0	В
Barium	0.0065	mg/L	0.0050	0.00071	1	03/12/21 12:22	03/16/21 15:27	7440-39-3	
Boron	0.013J	mg/L	0.040	0.0052	1	03/12/21 12:22	03/16/21 15:27	7440-42-8	
Chromium	0.0028J	mg/L	0.0050	0.00055	1	03/12/21 12:22	03/16/21 15:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/12/21 12:22	03/16/21 15:27	7440-48-4	
Lead	0.000062J	mg/L	0.0010	0.000036	1	03/12/21 12:22	03/16/21 15:27	7439-92-1	
Lithium	0.0019J	mg/L	0.030	0.00081	1	03/12/21 12:22	03/16/21 15:27	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00069	1	03/12/21 12:22	03/16/21 15:27	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0016	1	03/12/21 12:22	03/16/21 15:27	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00014	1	03/12/21 12:22	03/16/21 15:27	7440-28-0	
7470 Mercury	Analytical	Method: EPA 7	470A Prej	paration Met	hod: EF	PA 7470A			
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Mercury	ND	mg/L	0.00020	0.000078	1	03/16/21 14:45	03/17/21 10:14	7439-97-6	
2540C Total Dissolved Solids	Analytical	Method: SM 25	540C-2011						
	Pace Anal	ytical Services	- Peachtre	e Corners, C	βA				
Total Dissolved Solids	126	mg/L	10.0	10.0	1		03/10/21 17:21		
300.0 IC Anions 28 Days	Analytical	Method: EPA 3	00.0 Rev 2	2.1 1993					
	Pace Analy	ytical Services	- Asheville						
Chloride	2.4	mg/L	1.0	0.60	1		03/16/21 08:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/16/21 08:56	16984-48-8	
Sulfate	2.7	mg/L	1.0	0.50	1		03/16/21 08:56	14808-79-8	



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

QC Batch: 606048 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007,

92525919008, 92525919009, 92525919010, 92525919011, 92525919012, 92525919013, 92525919014,

92525919015, 92525919016, 92525919017, 92525919018

METHOD BLANK: 3193025 Matrix: Water

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007,

92525919008, 92525919009, 92525919010, 92525919011, 92525919012, 92525919013, 92525919014,

92525919015, 92525919016, 92525919017, 92525919018

 Parameter
 Units
 Blank Reporting Result
 Reporting Limit
 MDL
 Analyzed
 Qualifiers

 Calcium
 mg/L
 0.12J
 1.0
 0.070
 03/12/21 21:39

MSD

LABORATORY CONTROL SAMPLE: 3193026

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Calcium 1.1 105 80-120 mg/L

MS

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193027 3193028

92525919001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Calcium 64.8 68.2 340 75-125 3 20 M1 mg/L 66.2 143

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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

QC Batch: 606049 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007,

92525919008, 92525919009, 92525919010, 92525919011, 92525919012, 92525919013, 92525919014,

92525919015, 92525919016, 92525919017, 92525919018

METHOD BLANK: 3193041 Matrix: Water

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007,

92525919008, 92525919009, 92525919010, 92525919011, 92525919012, 92525919013, 92525919014,

92525919015, 92525919016, 92525919017, 92525919018

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00030J	0.0030	0.00028	03/16/21 12:52	
Barium	mg/L	ND	0.0050	0.00071	03/16/21 12:52	
Boron	mg/L	ND	0.040	0.0052	03/16/21 12:52	
Chromium	mg/L	ND	0.0050	0.00055	03/16/21 12:52	
Cobalt	mg/L	ND	0.0050	0.00038	03/16/21 12:52	
Lead	mg/L	ND	0.0010	0.000036	03/16/21 12:52	
Lithium	mg/L	ND	0.030	0.00081	03/16/21 12:52	
Molybdenum	mg/L	ND	0.010	0.00069	03/16/21 12:52	
Selenium	mg/L	ND	0.0050	0.0016	03/16/21 12:52	
Thallium	mg/L	ND	0.0010	0.00014	03/16/21 12:52	

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	0.93	93	80-120	
Chromium	mg/L	0.1	0.093	93	80-120	
Cobalt	mg/L	0.1	0.091	91	80-120	
₋ead	mg/L	0.1	0.096	96	80-120	
_ithium	mg/L	0.1	0.093	93	80-120	
Molybdenum	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.095	95	80-120	
Γhallium	mg/L	0.1	0.094	94	80-120	

MATRIX SPIKE & MATRIX SP	PIKE DUPLIC	CATE: 3193	043		3193044							
			MS	MSD								
	9	2525919002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	104	75-125	1	20	
Barium	mg/L	0.017	0.1	0.1	0.11	0.12	97	100	75-125	2	20	
Boron	mg/L	0.028J	1	1	0.90	1.0	88	98	75-125	11	20	
Chromium	mg/L	0.00097J	0.1	0.1	0.096	0.097	95	97	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.094	0.098	94	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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

MATRIX SPIKE & MATRIX	SPIKE DUPL	ICATE: 3193	043		3193044							
		92525919002	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Lead	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20	
Lithium	mg/L	ND	0.1	0.1	0.091	0.097	90	97	75-125	7	20	
Molybdenum	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.099	97	98	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.095	0.093	95	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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Mercury

Date: 06/03/2021 05:37 PM

QC Batch: 604664 Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006

METHOD BLANK: 3185623 Matrix: Water

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006

 Parameter
 Units
 Blank Reporting Result
 Limit
 MDL
 Analyzed
 Qualifiers

 mg/L
 ND
 0.00020
 0.000078
 03/08/21 15:49

LABORATORY CONTROL SAMPLE: 3185624

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3185625 3185626

MSD MS 92524831021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units **RPD** RPD Qual Result Conc. Conc. Result Result % Rec % Rec Limits Mercury mg/L ND 0.0025 0.0025 0.0022 0.0019 86 78 75-125 10 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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

QC Batch: 605556 Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919007, 92525919008, 92525919009, 92525919010

METHOD BLANK: 3190111 Matrix: Water
Associated Lab Samples: 92525919007, 92525919008, 92525919009, 92525919019

ciated Lab Samples: 92525919007, 92525919008, 92525919009, 92525919010

Blank Reporting

Parameter Units Result Limit MDL Analyzed Qualifiers

Mercury mg/L ND 0.00020 0.000078 03/11/21 11:23

LABORATORY CONTROL SAMPLE: 3190112

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3190113 3190114

MSD MS 92526541001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result **RPD** RPD Qual Result % Rec % Rec Limits ND 0.0025 Mercury mg/L 0.0025 0.0023 0.0024 91 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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

QC Batch: 606880 Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919011, 92525919012, 92525919013, 92525919014, 92525919015, 92525919016, 92525919017,

92525919018

METHOD BLANK: 3197255 Matrix: Water

Associated Lab Samples: 92525919011, 92525919012, 92525919013, 92525919014, 92525919015, 92525919016, 92525919017,

92525919018

 Parameter
 Units
 Blank Reporting Result
 Limit
 MDL
 Analyzed
 Qualifiers

 Mercury
 mg/L
 ND
 0.00020
 0.000078
 03/17/21 09:31

LABORATORY CONTROL SAMPLE: 3197256

Date: 06/03/2021 05:37 PM

Spike LCS LCS % Rec Parameter Units Result % Rec Limits Qualifiers Conc. 96 Mercury mg/L 0.0025 0.0024 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3197257 3197258

MS MSD

92525919012 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual ND 0.0025 0.0025 0.0024 95 20 Mercury 0.0025 99 75-125 mg/L

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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

QC Batch: 604754 Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007

METHOD BLANK: 3186276 Matrix: Water

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007

Blank Reporting

ParameterUnitsResultLimitMDLAnalyzedQualifiersTotal Dissolved Solidsmg/LND10.010.003/06/21 09:43

LABORATORY CONTROL SAMPLE: 3186277

Spike LCS LCS % Rec Conc. % Rec Limits Qualifiers Parameter Units Result **Total Dissolved Solids** 385 96 90-111 mg/L

SAMPLE DUPLICATE: 3186278

92525375007 Dup Max
Parameter Units Result Repl RPD Qualifiers

Total Dissolved Solids mg/L 288 277 4 10

SAMPLE DUPLICATE: 3186279

Date: 06/03/2021 05:37 PM

92525662002 Dup Max RPD RPD Parameter Units Result Result Qualifiers Total Dissolved Solids 1050 mg/L 1010 4 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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

QC Batch: 604764 Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919008, 92525919009, 92525919010

METHOD BLANK: 3186295 Matrix: Water

Associated Lab Samples: 92525919008, 92525919009, 92525919010

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Total Dissolved Solids mg/L ND 10.0 03/06/21 13:06

LABORATORY CONTROL SAMPLE: 3186296

Spike LCS LCS % Rec Conc. % Rec Limits Qualifiers Parameter Units Result **Total Dissolved Solids** mg/L 400 368 92 90-111

SAMPLE DUPLICATE: 3186298

Parameter Units Pesult Result RPD Max Result RPD Qualifiers

Total Dissolved Solids mg/L 102 101 1 10

SAMPLE DUPLICATE: 3186336

Date: 06/03/2021 05:37 PM

92525919008 Dup Max RPD RPD Parameter Units Result Result Qualifiers Total Dissolved Solids 267 mg/L 283 6 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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

QC Batch: 604895 Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919011, 92525919012, 92525919013, 92525919014, 92525919015, 92525919016, 92525919017

METHOD BLANK: 3186921 Matrix: Water

Associated Lab Samples: 92525919011, 92525919012, 92525919013, 92525919014, 92525919015, 92525919016, 92525919017

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Total Dissolved Solids mg/L ND 10.0 03/08/21 11:05

LABORATORY CONTROL SAMPLE: 3186922

Spike LCS LCS % Rec Conc. % Rec Limits Qualifiers Parameter Units Result **Total Dissolved Solids** 387 97 90-111 mg/L

SAMPLE DUPLICATE: 3186923

92526103001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers 154 **Total Dissolved Solids** 10 D6 mg/L 311 68

SAMPLE DUPLICATE: 3186924

Date: 06/03/2021 05:37 PM

92525936007 Dup Max RPD RPD Parameter Units Result Result Qualifiers Total Dissolved Solids 856 mg/L 878 3 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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

QC Batch: 605516 Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92525919018

METHOD BLANK: 3189891 Matrix: Water

Associated Lab Samples: 92525919018

Blank Reporting
Parameter Units Result Limit MDL Analyzed Qualifiers

Total Dissolved Solids mg/L ND 10.0 10.0 03/10/21 17:21

LABORATORY CONTROL SAMPLE: 3189892

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units **Total Dissolved Solids** mg/L 400 370 92 90-111

SAMPLE DUPLICATE: 3189893

92524831026 Dup Max
Parameter Units Result Repl RPD Qualifiers

Total Dissolved Solids mg/L 800

SAMPLE DUPLICATE: 3189894

Date: 06/03/2021 05:37 PM

92526337002 Dup Max RPD RPD Parameter Units Result Result Qualifiers Total Dissolved Solids 415 425 2 mg/L 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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

QC Batch: 606455 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: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007,

92525919008, 92525919009, 92525919010

METHOD BLANK: 3195134 Matrix: Water

Associated Lab Samples: 92525919001, 92525919002, 92525919003, 92525919004, 92525919005, 92525919006, 92525919007,

92525919008, 92525919009, 92525919010

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/13/21 12:45	
Fluoride	mg/L	ND	0.10	0.050	03/13/21 12:45	
Sulfate	mg/L	ND	1.0	0.50	03/13/21 12:45	

LABORATORY CONTROL SAMPLE:	3195135					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	52.8	106	90-110	

MATRIX SPIKE & MATRIX SP	136		3195137									
			MS	MSD								
		92525912007	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	ND	50	50	50.5	51.0	101	102	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	102	103	90-110	1	10	
Sulfate	mg/L	ND	50	50	53.6	54.2	107	108	90-110	1	10	

MATRIX SPIKE & MATRIX S	PIKE DUPLI	ICATE: 3195	138		3195139							
Parameter	Units	92525919009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.6	50	50	54.1	53.7	105	104	90-110	1	10	
Fluoride	mg/L	0.12	2.5	2.5	2.8	2.8	106	105	90-110	1	10	
Sulfate	mg/L	39.2	50	50	95.4	95.1	112	112	90-110	0	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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

QC Batch: 606496 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: 92525919011, 92525919012

METHOD BLANK: 3195315 Matrix: Water

Associated Lab Samples: 92525919011, 92525919012

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/14/21 21:28	
Fluoride	mg/L	ND	0.10	0.050	03/14/21 21:28	
Sulfate	mg/L	ND	1.0	0.50	03/14/21 21:28	

LABORATORY CONTROL SAMPLE:	3195316					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L		46.5	93	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	46.8	94	90-110	

MATRIX SPIKE & MATRIX SP	IKE DUPL	ICATE: 3195	317		3195318							
		92525931004	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	1.8	50	50	50.1	49.8	97	96	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	111	111	90-110	0	10	M1
Sulfate	mg/L	61.7	50	50	98.6	98.0	74	73	90-110	1	10	M1

MATRIX SPIKE & MATRIX SP		3195320										
			MS	MSD								
		92525936002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	22.9	50	50	67.6	70.1	89	94	90-110	4	10	M1
Fluoride	mg/L	0.14	2.5	2.5	2.4	2.6	91	97	90-110	6	10	
Sulfate	mg/L	91.7	50	50	126	124	70	65	90-110	2	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.



Project: MITCHELL SPRING 2021 SA

LABORATORY CONTROL CAMPLE: 2405222

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

QC Batch: 606497 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: 92525919013, 92525919014, 92525919015, 92525919016, 92525919017

METHOD BLANK: 3195321 Matrix: Water

Associated Lab Samples: 92525919013, 92525919014, 92525919015, 92525919016, 92525919017

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND ND	1.0	0.60	03/15/21 05:49	
Fluoride	mg/L	ND	0.10	0.050	03/15/21 05:49	
Sulfate	mg/L	ND	1.0	0.50	03/15/21 05:49	

LABORATORT CONTROL SAMPLE.	3193322					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L	50	46.1	92	90-110	
Fluoride	mg/L	2.5	2.4	94	90-110	
Sulfate	mg/L	50	45.3	91	90-110	

MATRIX SPIKE & MATRIX SP	IKE DUPL	ICATE: 3195	323		3195324							
			MS	MSD								
		92525919013	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	5.9	50	50	56.7	55.0	102	98	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.4	99	97	90-110	3	10	
Sulfate	mg/L	38.9	50	50	90.2	88.6	103	99	90-110	2	10	

MATRIX SPIKE & MATRIX SF	3195326											
			MS	MSD								
		92525657006	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	5.8	50	50	55.5	56.0	100	100	90-110	1	10	
Fluoride	mg/L	0.076J	2.5	2.5	2.6	2.7	103	103	90-110	0	10	
Sulfate	mg/L	251	50	50	293	305	83	108	90-110	4	10	M6

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.



Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

QC Batch Method:

QC Batch: 606641

EPA 300.0 Rev 2.1 1993

Analysis Description:

EPA 300.0 Rev 2.1 1993

300.0 IC Anions

Laboratory:

Analysis Method:

Pace Analytical Services - Asheville

Associated Lab Samples: 92525919018

METHOD BLANK: 3196222

Date: 06/03/2021 05:37 PM

Matrix: Water

Associated Lab Samples: 92525919018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/16/21 04:09	
Fluoride	mg/L	ND	0.10	0.050	03/16/21 04:09	
Sulfate	mg/L	ND	1.0	0.50	03/16/21 04:09	

LABORATORY CONTROL SAMPLE:	3196223					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L		49.5	99	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	52.2	104	90-110	

MATRIX SPIKE & MATRIX SP	224		3196225									
			MS	MSD								
		92527305006	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	2170	50	50	2220	2220	100	95	90-110	0	10	
Fluoride	mg/L				8.8	8.5				3	10	M6
Sulfate	mg/L				1800	1790				0	10	

MATRIX SPIKE & MATRIX SP	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196226 3196227											
			MS	MSD								
		92527315001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	1620	50	50	1640	1650	49	61	90-110	0	10	M6
Fluoride	mg/L	ND	2.5	2.5	ND	ND	0	0	90-110		10	M6
Sulfate	mg/L	25.1	50	50	70.0	71.8	90	93	90-110	2	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.



QUALIFIERS

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 06/03/2021 05:37 PM

B Analyte was detected in the associated method blank.

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.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

₋ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92525919001	PZ-32			_	
2525919002	PZ-14				
2525919003	PZ-23A				
2525919004	DUP-2				
2525919006	PZ-1D				
2525919007	PZ-31				
2525919008	PZ-25				
2525919009	DUP-1				
2525919010	PZ-19				
2525919011	PZ-17				
2525919012	PZ-18				
2525919013	PZ-16				
2525919014	PZ-33				
2525919016	PZ-15				
2525919017	PZ-7D				
2525919018	PZ-2D				
2525919001	PZ-32	EPA 3010A	606048	EPA 6010D	606359
2525919002	PZ-14	EPA 3010A	606048	EPA 6010D	606359
2525919003	PZ-23A	EPA 3010A	606048	EPA 6010D	606359
2525919004	DUP-2	EPA 3010A	606048	EPA 6010D	606359
252591900 4 2525919005	EB-1	EPA 3010A	606048	EPA 6010D	606359
2525919005 2525919006	PZ-1D	EPA 3010A	606048	EPA 6010D	606359
2525919000 2525919007	PZ-1D PZ-31	EPA 3010A	606048		606359
	PZ-31 PZ-25			EPA 6010D	
2525919008	DUP-1	EPA 3010A	606048	EPA 6010D	606359
2525919009		EPA 3010A	606048	EPA 6010D	606359
2525919010	PZ-19	EPA 3010A	606048	EPA 6010D	606359
2525919011	PZ-17	EPA 3010A	606048	EPA 6010D	606359
2525919012	PZ-18	EPA 3010A	606048	EPA 6010D	606359
2525919013	PZ-16	EPA 3010A	606048	EPA 6010D	606359
2525919014	PZ-33	EPA 3010A	606048	EPA 6010D	606359
2525919015	FB-1	EPA 3010A	606048	EPA 6010D	606359
2525919016	PZ-15	EPA 3010A	606048	EPA 6010D	606359
2525919017	PZ-7D	EPA 3010A	606048	EPA 6010D	606359
2525919018	PZ-2D	EPA 3010A	606048	EPA 6010D	606359
2525919001	PZ-32	EPA 3005A	606049	EPA 6020B	606371
2525919002	PZ-14	EPA 3005A	606049	EPA 6020B	606371
2525919003	PZ-23A	EPA 3005A	606049	EPA 6020B	606371
2525919004	DUP-2	EPA 3005A	606049	EPA 6020B	606371
2525919005	EB-1	EPA 3005A	606049	EPA 6020B	606371
2525919006	PZ-1D	EPA 3005A	606049	EPA 6020B	606371
2525919007	PZ-31	EPA 3005A	606049	EPA 6020B	606371
2525919008	PZ-25	EPA 3005A	606049	EPA 6020B	606371
2525919009	DUP-1	EPA 3005A	606049	EPA 6020B	606371
2525919010	PZ-19	EPA 3005A	606049	EPA 6020B	606371
2525919011	PZ-17	EPA 3005A	606049	EPA 6020B	606371
2525919012	PZ-18	EPA 3005A	606049	EPA 6020B	606371
2525919013	PZ-16	EPA 3005A	606049	EPA 6020B	606371
2525919013 2525919014	PZ-33	EPA 3005A	606049	EPA 6020B	606371



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

₋ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92525919015	—— ————————— FB-1	EPA 3005A	606049	EPA 6020B	606371
2525919016	PZ-15	EPA 3005A	606049	EPA 6020B	606371
2525919017	PZ-7D	EPA 3005A	606049	EPA 6020B	606371
2525919018	PZ-2D	EPA 3005A	606049	EPA 6020B	606371
2525919001	PZ-32	EPA 7470A	604664	EPA 7470A	604885
2525919002	PZ-14	EPA 7470A	604664	EPA 7470A	604885
2525919003	PZ-23A	EPA 7470A	604664	EPA 7470A	604885
2525919004	DUP-2	EPA 7470A	604664	EPA 7470A	604885
2525919005	EB-1	EPA 7470A	604664	EPA 7470A	604885
2525919006	PZ-1D	EPA 7470A	604664	EPA 7470A	604885
	PZ-31				
2525919007		EPA 7470A	605556	EPA 7470A	605621
2525919008	PZ-25	EPA 7470A	605556	EPA 7470A	605621
2525919009	DUP-1	EPA 7470A	605556	EPA 7470A	605621
2525919010	PZ-19	EPA 7470A	605556	EPA 7470A	605621
2525919011	PZ-17	EPA 7470A	606880	EPA 7470A	606933
2525919012	PZ-18	EPA 7470A	606880	EPA 7470A	606933
2525919013	PZ-16	EPA 7470A	606880	EPA 7470A	606933
2525919014	PZ-33	EPA 7470A	606880	EPA 7470A	606933
2525919015	FB-1	EPA 7470A	606880	EPA 7470A	606933
2525919016	PZ-15	EPA 7470A	606880	EPA 7470A	606933
2525919017	PZ-7D	EPA 7470A	606880	EPA 7470A	606933
2525919018	PZ-2D	EPA 7470A	606880	EPA 7470A	606933
2525919001	PZ-32	SM 2540C-2011	604754		
2525919002	PZ-14	SM 2540C-2011	604754		
2525919003	PZ-23A	SM 2540C-2011	604754		
2525919004	DUP-2	SM 2540C-2011	604754		
2525919005	EB-1	SM 2540C-2011	604754		
2525919006	PZ-1D	SM 2540C-2011	604754		
2525919007	PZ-31	SM 2540C-2011	604754		
2525919008	PZ-25	SM 2540C-2011	604764		
2525919009	DUP-1	SM 2540C-2011	604764		
2525919010	PZ-19	SM 2540C-2011	604764		
2525919011	PZ-17	SM 2540C-2011	604895		
2525919012	PZ-18	SM 2540C-2011	604895		
2525919013	PZ-16	SM 2540C-2011	604895		
2525919013 2525919014	PZ-33	SM 2540C-2011	604895		
252591901 5 2525919015	FB-1	SM 2540C-2011	604895		
2525919015 2525919016	PZ-15	SM 2540C-2011	604895		
2525919010 2525919017	PZ-7D	SM 2540C-2011	604895		
2525919018	PZ-2D	SM 2540C-2011	605516		
2525919001	PZ-32	EPA 300.0 Rev 2.1 1993	606455		
2525919002	PZ-14	EPA 300.0 Rev 2.1 1993	606455		
2525919002	PZ-23A	EPA 300.0 Rev 2.1 1993	606455		
2525919003	DUP-2	EPA 300.0 Rev 2.1 1993	606455		
	DOI -2	LIA 300.0 NEV 2.1 1333	000+00		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL SPRING 2021 SA

Pace Project No.: 92525919

Date: 06/03/2021 05:37 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
92525919006	PZ-1D	EPA 300.0 Rev 2.1 1993	606455		
92525919007	PZ-31	EPA 300.0 Rev 2.1 1993	606455		
92525919008	PZ-25	EPA 300.0 Rev 2.1 1993	606455		
92525919009	DUP-1	EPA 300.0 Rev 2.1 1993	606455		
92525919010	PZ-19	EPA 300.0 Rev 2.1 1993	606455		
92525919011	PZ-17	EPA 300.0 Rev 2.1 1993	606496		
92525919012	PZ-18	EPA 300.0 Rev 2.1 1993	606496		
92525919013	PZ-16	EPA 300.0 Rev 2.1 1993	606497		
92525919014	PZ-33	EPA 300.0 Rev 2.1 1993	606497		
92525919015	FB-1	EPA 300.0 Rev 2.1 1993	606497		
92525919016	PZ-15	EPA 300.0 Rev 2.1 1993	606497		
92525919017	PZ-7D	EPA 300.0 Rev 2.1 1993	606497		
92525919018	PZ-2D	EPA 300.0 Rev 2.1 1993	606641		



Document Name: Sample Condition Upon Receipt(SCUR)

Document No.: F-CAR-CS-033-Rev.07 Document Revised: October 28, 2020

Page 1 of 2
Issuing Authority:
Pace Carolinas Quality Office

Laboratory receiving samples: Raleigh Mechanicsville Atlanta Kernersville Asheville Eden Greenwood Huntersville WO#: 92525919 Sample Condition Client Name: Project #: **Upon Receipt** Courier: Commercial 9394 # 81= No Seals Intact? Custody Seal Present? Date/Initials Person Examining Contents: 3521 KRC Biological Tissue Frozen? None Gother Bubble Wrap Bubble Bags Packing Material: Yes Tho DN/A Thermometer: Blue None HR Gun ID: Type of Ice: Correction Factor: 40.1 Temp should be above freezing to 6°C Add/Subtract (°C) Cooler Temp: Samples out of temp criteria. Samples on ice, cooling process has begun Cooler Temp Corrected (°C): USDA Regulated Soil (N/A, water sample) Did samples originate from a foreign source (internationally, Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? including Hawaii and Puerto Rico)? ☐Yes Yes No Comments/Discrepancy: TYMS DNO □N/A Chain of Custody Present? Samples Arrived within Hold Time? ONO □N/A 3. Yes Wo □N/A Short Hold Time Analysis (<72 hr.)? 4. Standard ☐Yes <☐No Rush Turn Around Time Requested? □N/A Ves DN/A □No Sufficient Volume? ☐Yes ☐No □N/A Correct Containers Used? □No -Pace Containers Used? 1 Y25 □N/A DN/A ONO Containers Intact? ☐Yes □No DN/A 8. Dissolved analysis: Samples Field Filtered? Elves ПNO DN/A Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: ONO DAYA □Yes Headspace in VOA Vials (>5-6mm)? □No CA/A 11. Yes Trip Blank Present? (IA/A □Yes **□**No Trip Blank Custody Seals Present? Field Data Required? Yes No COMMENTS/SAMPLE DISCREPANCY Lot ID of split containers: CLIENT NOTIFICATION/RESOLUTION Date/Time: Person contacted: Date: Project Manager SCURF Review: Date: Project Manager SRF Review:

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June 03, 2021

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

RE: Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Dear Michelle Barker:

Enclosed are the analytical results for sample(s) received by the laboratory between March 05, 2021 and March 09, 2021. 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,

Kevin Herring

kevin.herring@pacelabs.com

Ken Lung

1(704)875-9092

HORIZON Database Administrator

Enclosures

cc: Joju Abraham, Georgia Power-CCR Kristen Jurinko Ms. Lauren Petty, Southern Company Rhonda Quinn, WOOD E&I Greg Wrenn, WOOD E&I





CERTIFICATIONS

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

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 #: 9526 Washington Certification #: C868 West Virginia DEP Certification #: 143 West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad Wyoming Certification #: 8TMS-L



SAMPLE SUMMARY

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92525908001	PZ-32	Water	03/03/21 10:15	03/05/21 09:45
92525908002	PZ-14	Water	03/03/21 13:20	03/05/21 09:45
92525908003	PZ-23A	Water	03/03/21 16:15	03/05/21 09:45
92525908004	DUP-2	Water	03/03/21 00:00	03/05/21 09:45
92525908005	EB-1	Water	03/03/21 09:55	03/05/21 09:45
92525908006	PZ-1D	Water	03/03/21 11:15	03/05/21 09:45
92525908007	PZ-31	Water	03/03/21 13:40	03/05/21 09:45
92525908008	PZ-25	Water	03/03/21 13:46	03/05/21 09:45
92525908009	DUP-1	Water	03/03/21 00:00	03/05/21 09:45
92525908010	PZ-19	Water	03/03/21 16:00	03/05/21 09:45
92525908011	PZ-17	Water	03/04/21 10:00	03/05/21 13:10
92525908012	PZ-18	Water	03/04/21 11:05	03/05/21 13:10
92525908013	PZ-16	Water	03/04/21 11:15	03/05/21 13:10
92525908014	PZ-33	Water	03/04/21 14:05	03/05/21 13:10
92525908015	FB-1	Water	03/04/21 08:30	03/05/21 13:10
92525908016	PZ-15	Water	03/04/21 10:46	03/05/21 13:10
92525908017	PZ-7D	Water	03/04/21 13:16	03/05/21 13:10
92525908018	PZ-2D	Water	03/08/21 15:34	03/09/21 09:40



SAMPLE ANALYTE COUNT

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92525908001	PZ-32	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908002	PZ-14	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908003	PZ-23A	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908004	DUP-2	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908005	EB-1	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908006	PZ-1D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908007	PZ-31	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908008	PZ-25	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908009	DUP-1	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908010	PZ-19	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908011	PZ-17	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908012	PZ-18	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908013	PZ-16	EPA 9315	CLA	1	PASI-PA



SAMPLE ANALYTE COUNT

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908014	PZ-33	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908015	FB-1	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908016	PZ-15	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908017	PZ-7D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
92525908018	PZ-2D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg



SUMMARY OF DETECTION

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab Sample ID	Client Sample ID					
Method	Parameters —	Result	Units	Report Limit	Analyzed	Qualifiers
92525908001	PZ-32					
EPA 9315	Radium-226	-0.0519 ± 0.141 (0.400)	pCi/L	(03/25/21 09:18	
EPA 9320	Radium-228	C:71% T:NA 0.836 ± 0.476 (0.861) C:84% T:86%	pCi/L	(03/24/21 19:00	
Total Radium Calculation	Total Radium	0.836 ± 0.617 (1.26)	pCi/L	(03/27/21 10:21	
92525908002	PZ-14					
EPA 9315	Radium-226	0.192 ± 0.162 (0.305) C:79% T:NA	pCi/L	(03/25/21 09:18	
EPA 9320	Radium-228	0.136 ± 0.425 (0.953) C:83% T:96%	pCi/L	C	03/24/21 19:00	
Total Radium Calculation	Total Radium	0.328 ± 0.587 (1.26)	pCi/L	(03/27/21 10:21	
92525908003	PZ-23A					
EPA 9315	Radium-226	0.212 ± 0.143 (0.225) C:78% T:NA	pCi/L	(03/25/21 09:44	
EPA 9320	Radium-228	0.798 ± 0.579 (1.14) C:83% T:77%	pCi/L	C	03/24/21 19:01	
Total Radium Calculation	Total Radium	1.01 ± 0.722 (1.37)	pCi/L	(03/27/21 10:21	
92525908004	DUP-2					
EPA 9315	Radium-226	0.121 ± 0.108 (0.185)	pCi/L	(03/25/21 09:44	
EPA 9320	Radium-228	C:81% T:NA 0.503 ± 0.451 (0.909) C:81% T:82%	pCi/L	(03/24/21 19:01	
Total Radium Calculation	Total Radium	T:82% 0.624 ± 0.559 (1.09)	pCi/L	(03/27/21 10:21	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92525908005	EB-1					
EPA 9315	Radium-226	0.00547 ± 0.0829 (0.229)	pCi/L	(03/25/21 09:49	
EPA 9320	Radium-228	C:77% T:NA 0.310 ± 0.472 (1.02)	pCi/L	(03/24/21 19:35	
Total Radium Calculation	Total Radium	C:81% T:78% 0.315 ± 0.555 (1.25)	pCi/L	(03/27/21 10:21	
92525908006	PZ-1D	()				
EPA 9315	Radium-226	0.166 ± 0.127 (0.209)	pCi/L	(03/25/21 09:44	
EPA 9320	Radium-228	C:78% T:NA 0.749 ± 0.674 (1.39)	pCi/L	(03/24/21 19:59	
Total Radium Calculation	Total Radium	C:83% T:85% 0.915 ± 0.801	pCi/L	(03/27/21 10:21	
92525908007	PZ-31	(1.60)				
EPA 9315	Radium-226	0.150 ± 0.130 (0.237)	pCi/L	(03/25/21 09:18	
EPA 9320	Radium-228	C:81% T:NA 0.757 ± 0.621 (1.25) C:82%	pCi/L	(03/24/21 19:59	
Total Radium Calculation	Total Radium	T:84% 0.907 ± 0.751 (1.49)	pCi/L	(03/27/21 10:21	
2525908008	PZ-25	,				
EPA 9315	Radium-226	0.518 ± 0.225 (0.282)	pCi/L	(03/25/21 09:49	
EPA 9320	Radium-228	C:75% T:NA 0.0265 ± 0.585 (1.34) C:81%	pCi/L	(03/24/21 19:59	
Total Radium Calculation	Total Radium	T:86% 0.545 ± 0.810 (1.62)	pCi/L	(03/27/21 10:21	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab Sample ID	Client Sample ID					
Method	Parameters —	Result	Units	Report Limit	Analyzed	Qualifiers
92525908009	DUP-1					
EPA 9315	Radium-226	0.292 ±	pCi/L		03/25/21 09:46	
		0.214 (0.410)				
		C:78% T:NA				
EPA 9320	Radium-228	-0.0785 ± 0.669	pCi/L		03/24/21 19:59	
		(1.54)				
		C:81%				
Fatal Dadium Calculation	Total Dadium	T:85% 0.292 ±	~ C:/I		02/27/24 40:24	
Total Radium Calculation	Total Radium	0.883	pCi/L		03/27/21 10:21	
		(1.95)				
2525908010	PZ-19					
EPA 9315	Radium-226	0.297 ±	pCi/L		03/25/21 09:46	
		0.195				
		(0.337) C:73% T:NA				
EPA 9320	Radium-228	0.172 ±	pCi/L		03/24/21 16:46	
		0.345				
		(0.761) C:78%				
		T:82%				
Total Radium Calculation	Total Radium	0.469 ± 0.540	pCi/L		03/27/21 10:21	
		(1.10)				
2525908011	PZ-17					
EPA 9315	Radium-226	0.0175 ±	pCi/L		03/25/21 09:32	
		0.0988	·			
		(0.256) C:80% T:NA				
EPA 9320	Radium-228	0.716 ±	pCi/L		03/24/21 18:58	
		0.585	·			
		(1.17) C:82%				
		T:75%				
Total Radium Calculation	Total Radium	0.734 ±	pCi/L		03/27/21 10:21	
		0.684 (1.43)				
2525908012	PZ-18	, ,,,				
EPA 9315	Radium-226	0.0545 ±	pCi/L		03/25/21 09:17	
		0.120	F = " =			
		(0.283) C:75% T:NA				
EPA 9320	Radium-228	0.443 ±	pCi/L		03/24/21 19:36	
		0.475	F = " =			
		(0.985) C:79%				
		T:86%				
Total Radium Calculation	Total Radium	0.498 ±	pCi/L		03/27/21 10:23	
		0.595 (1.27)				

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92525908013	PZ-16					
EPA 9315	Radium-226	0.105 ±	pCi/L	03	/25/21 09:49	
		0.139 (0.299)				
		C:80% T:NA				
EPA 9320	Radium-228	0.299 ±	pCi/L	03	/24/21 18:59	
		0.413 (0.884)				
		C:82%				
		T:85%				
Total Radium Calculation	Total Radium	0.404 ± 0.552	pCi/L	03	/27/21 10:23	
		(1.18)				
2525908014	PZ-33					
EPA 9315	Radium-226	0.124 ±	pCi/L	03	/25/21 09:04	
		0.126				
		(0.242) C:81% T:NA				
EPA 9320	Radium-228	0.905 ±	pCi/L	03	/24/21 18:59	
		0.488				
		(0.872) C:83%				
		T:89%				
Total Radium Calculation	Total Radium	1.03 ±	pCi/L	03	/27/21 10:23	
		0.614 (1.11)				
2525908015	FB-1	(1.11)				
		-0.00993 ±	~ C:/I	00	/05/04 00:47	
EPA 9315	Radium-226	-0.00993 ± 0.138	pCi/L	03	/25/21 09:17	
		(0.367)				
-DA 0000	B. II. 000	C:74% T:NA	0:"	00	10.1/0.1 10.50	
EPA 9320	Radium-228	0.186 ± 0.411	pCi/L	03	/24/21 18:59	
		(0.912)				
		C:83%				
Total Radium Calculation	Total Radium	T:84% 0.186 ±	pCi/L	03	/27/21 10:23	
		0.549	F = " =	00		
		(1.28)				
2525908016	PZ-15					
EPA 9315	Radium-226	0.202 ± 0.160	pCi/L	03	/25/21 09:17	
		(0.290)				
		C:77% T:NA				
EPA 9320	Radium-228	0.472 ± 0.471	pCi/L	03	/24/21 18:59	
		(0.973)				
		C:83%				
Fotal Dadium Calaulatia	Total Dadium	T:87%	»C://	00	107/04 40:00	
Total Radium Calculation	Total Radium	0.674 ± 0.631	pCi/L	03	/27/21 10:23	
		(1.26)				

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92525908017	PZ-7D					
EPA 9315	Radium-226	0.0803 ± 0.122 (0.267) C:81% T:NA	pCi/L		03/25/21 09:17	
EPA 9320	Radium-228	0.449 ± 0.416 (0.849) C:83% T:93%	pCi/L		03/24/21 19:00	
Total Radium Calculation	Total Radium	0.529 ± 0.538 (1.12)	pCi/L		03/27/21 10:23	
92525908018	PZ-2D					
EPA 9315	Radium-226	0.191 ± 0.119 (0.172) C:94% T:NA	pCi/L		03/26/21 08:09	
EPA 9320	Radium-228	0.284 ± 0.291 (0.600) C:87% T:92%	pCi/L		03/22/21 13:11	
Total Radium Calculation	Total Radium	0.475 ± 0.410 (0.772)	pCi/L		04/01/21 12:54	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-32 PWS:	Lab ID : 92525 Site ID:	5908001 Collected: 03/03/21 10:15 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical S	Services - Greensburg				
Radium-226	EPA 9315	-0.0519 ± 0.141 (0.400) C:71% T:NA	pCi/L	03/25/21 09:18	3 13982-63-3	
	Pace Analytical S	Services - Greensburg				
Radium-228	EPA 9320	0.836 ± 0.476 (0.861) C:84% T:86%	pCi/L	03/24/21 19:00	15262-20-1	
	Pace Analytical S	Services - Greensburg				
Total Radium	Total Radium Calculation	0.836 ± 0.617 (1.26)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-14 PWS:	Lab ID: 9252 Site ID:	5908002 Collected: 03/03/21 13:20 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.192 ± 0.162 (0.305) C:79% T:NA	pCi/L	03/25/21 09:18	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.136 ± 0.425 (0.953) C:83% T:96%	pCi/L	03/24/21 19:00	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.328 ± 0.587 (1.26)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-23A Lab ID: 92525908003 Collected: 03/03/21 16:15 Received: 03/05/21 09:45 Matrix: Water PWS: Site ID: Sample Type: Act ± Unc (MDC) Carr Trac **Parameters** Method Units Analyzed CAS No. Qual Pace Analytical Services - Greensburg EPA 9315 0.212 ± 0.143 (0.225) Radium-226 pCi/L 03/25/21 09:44 13982-63-3 C:78% T:NA Pace Analytical Services - Greensburg EPA 9320 0.798 ± 0.579 (1.14) Radium-228 pCi/L 03/24/21 19:01 15262-20-1 C:83% T:77% Pace Analytical Services - Greensburg Total Radium Total Radium 1.01 ± 0.722 (1.37) pCi/L 03/27/21 10:21 7440-14-4 Calculation



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: DUP-2 PWS:	Lab ID: 9252 Site ID:	5908004 Collected: 03/03/21 00:00 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.121 ± 0.108 (0.185) C:81% T:NA	pCi/L	03/25/21 09:44	4 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.503 ± 0.451 (0.909) C:81% T:82%	pCi/L	03/24/21 19:0	1 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.624 ± 0.559 (1.09)	pCi/L	03/27/21 10:2	1 7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: EB-1 PWS:	Lab ID: 92525 Site ID:	5908005 Collected: 03/03/21 09:55 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical S	Services - Greensburg				
Radium-226	EPA 9315	0.00547 ± 0.0829 (0.229) C:77% T:NA	pCi/L	03/25/21 09:49	13982-63-3	
	Pace Analytical S	Services - Greensburg				
Radium-228	EPA 9320	0.310 ± 0.472 (1.02) C:81% T:78%	pCi/L	03/24/21 19:35	5 15262-20-1	
	Pace Analytical S	Services - Greensburg				
Total Radium	Total Radium Calculation	0.315 ± 0.555 (1.25)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-1D PWS:	Lab ID: 9252 9 Site ID:	5908006 Collected: 03/03/21 11:15 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.166 ± 0.127 (0.209) C:78% T:NA	pCi/L	03/25/21 09:44	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.749 ± 0.674 (1.39) C:83% T:85%	pCi/L	03/24/21 19:59	9 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.915 ± 0.801 (1.60)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-31 PWS:	Lab ID: 9252 Site ID:	5908007 Collected: 03/03/21 13:40 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.150 ± 0.130 (0.237) C:81% T:NA	pCi/L	03/25/21 09:18	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.757 ± 0.621 (1.25) C:82% T:84%	pCi/L	03/24/21 19:59	9 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.907 ± 0.751 (1.49)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-25 PWS:	Lab ID: 9252 Site ID:	5908008 Collected: 03/03/21 13:46 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.518 ± 0.225 (0.282) C:75% T:NA	pCi/L	03/25/21 09:49	9 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.0265 ± 0.585 (1.34) C:81% T:86%	pCi/L	03/24/21 19:59	9 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.545 ± 0.810 (1.62)	pCi/L	03/27/21 10:2	1 7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: DUP-1 PWS:	Lab ID: 9252 Site ID:	5908009 Collected: 03/03/21 00:00 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.292 ± 0.214 (0.410) C:78% T:NA	pCi/L	03/25/21 09:46	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	-0.0785 ± 0.669 (1.54) C:81% T:85%	pCi/L	03/24/21 19:59	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.292 ± 0.883 (1.95)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-19 PWS:	Lab ID: 92529 Site ID:	5908010 Collected: 03/03/21 16:00 Sample Type:	Received:	03/05/21 09:45	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.297 ± 0.195 (0.337) C:73% T:NA	pCi/L	03/25/21 09:46	3 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.172 ± 0.345 (0.761) C:78% T:82%	pCi/L	03/24/21 16:46	3 15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.469 ± 0.540 (1.10)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-17 PWS:	Lab ID: 9252 Site ID:	5908011 Collected: 03/04/21 10:00 Sample Type:	Received:	03/05/21 13:10	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0175 ± 0.0988 (0.256) C:80% T:NA	pCi/L	03/25/21 09:32	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.716 ± 0.585 (1.17) C:82% T:75%	pCi/L	03/24/21 18:58	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.734 ± 0.684 (1.43)	pCi/L	03/27/21 10:21	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-18 PWS:	Lab ID: 9252 Site ID:	5908012 Collected: 03/04/21 11:05 Sample Type:	Received:	03/05/21 13:10	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0545 ± 0.120 (0.283) C:75% T:NA	pCi/L	03/25/21 09:17	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.443 ± 0.475 (0.985) C:79% T:86%	pCi/L	03/24/21 19:36	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.498 ± 0.595 (1.27)	pCi/L	03/27/21 10:23	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-16 PWS:	Lab ID: 9252 Site ID:	5908013 Collected: 03/04/21 11:15 Sample Type:	Received:	03/05/21 13:10	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.105 ± 0.139 (0.299) C:80% T:NA	pCi/L	03/25/21 09:49	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.299 ± 0.413 (0.884) C:82% T:85%	pCi/L	03/24/21 18:59	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.404 ± 0.552 (1.18)	pCi/L	03/27/21 10:23	3 7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-33 PWS:	Lab ID: 9252 Site ID:	5908014 Collected: 03/04/21 14:05 Sample Type:	Received:	03/05/21 13:10	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.124 ± 0.126 (0.242) C:81% T:NA	pCi/L	03/25/21 09:04	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.905 ± 0.488 (0.872) C:83% T:89%	pCi/L	03/24/21 18:59	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	1.03 ± 0.614 (1.11)	pCi/L	03/27/21 10:23	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: FB-1 PWS:	Lab ID: 92529 Site ID:	5908015 Collected: 03/04/21 08:30 Sample Type:	Received:	03/05/21 13:10	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	-0.00993 ± 0.138 (0.367) C:74% T:NA	pCi/L	03/25/21 09:17	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.186 ± 0.411 (0.912) C:83% T:84%	pCi/L	03/24/21 18:59	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.186 ± 0.549 (1.28)	pCi/L	03/27/21 10:23	7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-15 Lab ID: 92525908016 Collected: 03/04/21 10:46 Received: 03/05/21 13:10 Matrix: Water PWS: Site ID: Sample Type: Act ± Unc (MDC) Carr Trac **Parameters** Method Units Analyzed CAS No. Qual Pace Analytical Services - Greensburg EPA 9315 0.202 ± 0.160 (0.290) Radium-226 pCi/L 03/25/21 09:17 13982-63-3 C:77% T:NA Pace Analytical Services - Greensburg EPA 9320 $0.472 \pm 0.471 \quad (0.973)$ Radium-228 pCi/L 03/24/21 18:59 15262-20-1 C:83% T:87% Pace Analytical Services - Greensburg Total Radium Total Radium 0.674 ± 0.631 (1.26) pCi/L 03/27/21 10:23 7440-14-4 Calculation



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-7D PWS:	Lab ID: 9252 Site ID:	5908017 Collected: 03/04/21 13:16 Sample Type:	Received:	03/05/21 13:10	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.0803 ± 0.122 (0.267) C:81% T:NA	pCi/L	03/25/21 09:17	13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.449 ± 0.416 (0.849) C:83% T:93%	pCi/L	03/24/21 19:00	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.529 ± 0.538 (1.12)	pCi/L	03/27/21 10:23	3 7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Sample: PZ-2D PWS:	Lab ID: 9252 Site ID:	5908018 Collected: 03/08/21 15:3 Sample Type:	4 Received:	03/09/21 09:40	Matrix: Water	
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical	Services - Greensburg				
Radium-226	EPA 9315	0.191 ± 0.119 (0.172) C:94% T:NA	pCi/L	03/26/21 08:09	9 13982-63-3	
	Pace Analytical	Services - Greensburg				
Radium-228	EPA 9320	0.284 ± 0.291 (0.600) C:87% T:92%	pCi/L	03/22/21 13:11	15262-20-1	
	Pace Analytical	Services - Greensburg				
Total Radium	Total Radium Calculation	0.475 ± 0.410 (0.772)	pCi/L	04/01/21 12:54	4 7440-14-4	



Project: MITCHELL SPRING 2021 SA RADS

EPA 9315

Pace Project No.: 92525908

QC Batch Method:

QC Batch: 438266

Analysis Method:

Analysis Description: 9315 Total Radium

EPA 9315

Laboratory:

Pace Analytical Services - Greensburg

Associated Lab Samples: 92525908018

METHOD BLANK: 2115671 Matrix: Water

Associated Lab Samples: 92525908018

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.142 ± 0.131 (0.243) C:77% T:NA
 pCi/L
 03/26/21 08:05

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.



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

QC Batch: 438167 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92525908001, 92525908002, 92525908003, 92525908004, 92525908005, 92525908006, 92525908007,

 $92525908008, \, 92525908009, \, 92525908010, \, 92525908011, \, 92525908012, \, 92525908013, \, 92525908014, \, 9252$

92525908015, 92525908016, 92525908017

METHOD BLANK: 2115335 Matrix: Water

Associated Lab Samples: 92525908001, 92525908002, 92525908003, 92525908004, 92525908005, 92525908006, 92525908007,

92525908008, 92525908009, 92525908010, 92525908011, 92525908012, 92525908013, 92525908014,

92525908015, 92525908016, 92525908017

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.199 ± 0.331 (0.720) C:83% T:85%
 pCi/L
 03/24/21 16:42

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.



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

QC Batch: 438909 Analysis Method: EPA 9320

QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92525908018

METHOD BLANK: 2118824 Matrix: Water

Associated Lab Samples: 92525908018

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.308 ± 0.318 (0.657) C:79% T:84%
 pCi/L
 03/22/21 13:09

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.



Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

QC Batch: 438263 Analysis Method: EPA 9315

QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92525908001, 92525908002, 92525908003, 92525908004, 92525908005, 92525908006, 92525908007,

92525908008, 92525908009, 92525908010, 92525908011, 92525908012, 92525908013, 92525908014,

92525908015, 92525908016, 92525908017

METHOD BLANK: 2115665 Matrix: Water

Associated Lab Samples: 92525908001, 92525908002, 92525908003, 92525908004, 92525908005, 92525908006, 92525908007,

92525908008, 92525908009, 92525908010, 92525908011, 92525908012, 92525908013, 92525908014,

92525908015, 92525908016, 92525908017

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.0782 ± 0.129 (0.288) C:88% T:NA
 pCi/L
 03/25/21 09:33

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.



QUALIFIERS

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

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.

Act - Activity

Date: 06/03/2021 05:15 PM

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Date: 06/03/2021 05:15 PM

ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
2525908001	PZ-32	EPA 9315	438263		
2525908002	PZ-14	EPA 9315	438263		
2525908003	PZ-23A	EPA 9315	438263		
2525908004	DUP-2	EPA 9315	438263		
2525908005	EB-1	EPA 9315	438263		
2525908006	PZ-1D	EPA 9315	438263		
2525908007	PZ-31	EPA 9315	438263		
2525908008	PZ-25	EPA 9315	438263		
2525908009	DUP-1	EPA 9315	438263		
2525908010	PZ-19	EPA 9315	438263		
2525908011	PZ-17	EPA 9315	438263		
2525908012	PZ-18	EPA 9315	438263		
2525908013	PZ-16	EPA 9315	438263		
2525908014	PZ-33	EPA 9315	438263		
2525908015	FB-1	EPA 9315	438263		
2525908016	PZ-15	EPA 9315	438263		
2525908017	PZ-7D	EPA 9315	438263		
2525908018	PZ-2D	EPA 9315	438266		
2525908001	PZ-32	EPA 9320	438167		
2525908002	PZ-14	EPA 9320	438167		
2525908003	PZ-23A	EPA 9320	438167		
2525908004	DUP-2	EPA 9320	438167		
2525908005	EB-1	EPA 9320	438167		
2525908006	PZ-1D	EPA 9320	438167		
2525908007	PZ-31	EPA 9320	438167		
2525908008	PZ-25	EPA 9320	438167		
2525908009	DUP-1	EPA 9320	438167		
2525908010	PZ-19	EPA 9320	438167		
2525908011	PZ-17	EPA 9320	438167		
2525908012	PZ-18	EPA 9320	438167		
2525908012	PZ-16	EPA 9320	438167		
2525908013	PZ-33	EPA 9320	438167		
2525908014 2525908015	FB-1	EPA 9320	438167		
2525908015 2525908016	PZ-15	EPA 9320	438167		
2525908017 2525908017	PZ-7D	EPA 9320	438167		
2525908018	PZ-2D	EPA 9320	438909		
2525908001	PZ-32	Total Radium Calculation	440753		
2525908002	PZ-14	Total Radium Calculation	440753		
2525908003	PZ-23A	Total Radium Calculation	440753		
2525908004	DUP-2	Total Radium Calculation	440753		
2525908005	EB-1	Total Radium Calculation	440753		
2525908006	PZ-1D	Total Radium Calculation	440753		
2525908007	PZ-31	Total Radium Calculation	440753		
2525908008	PZ-25	Total Radium Calculation	440753		
2525908009	DUP-1	Total Radium Calculation	440753		
2525908010	PZ-19	Total Radium Calculation	440753		
2525908011	PZ-17	Total Radium Calculation	440753		



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MITCHELL SPRING 2021 SA RADS

Pace Project No.: 92525908

Date: 06/03/2021 05:15 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92525908012	PZ-18	Total Radium Calculation	440754		
92525908013	PZ-16	Total Radium Calculation	440754		
92525908014	PZ-33	Total Radium Calculation	440754		
92525908015	FB-1	Total Radium Calculation	440754		
92525908016	PZ-15	Total Radium Calculation	440754		
92525908017	PZ-7D	Total Radium Calculation	440754		
92525908018	PZ-2D	Total Radium Calculation	441396		



Document Name: Sample Condition Upon Receipt(SCUR)

Document No.: F-CAR-CS-033-Rev.07 Document Revised: October 28, 2020
Page 1 of 2

Page 1 of 2 Issuing Authority: Pace Carolinas Quality Office

sheville Eden Greenwood	Huntersvi	lle	Raleig	
Sample Condition Client Name: Upon Receipt			F	Project #: WO#: 92525908
GA POW	A PARTY	01	6-1-1	
urier: Fet Ex U	PS USPS Other:		Clie	ent
# 8121 9394 8	5988			92525908
ody Seal Present? No S	Seals Intact? . <	Yes	□No	Date/Initials Person Examining Contents: 3 5 21
dng Material: Bubble Wrap	Bubble Bags	□None	10	fner Biological Tissue Frozen?
rmometer:		45	wat De	Yes No N/A
OHIGUNID: THEQUE	Type of Ice		,,,,,	
ler Temp: Correction f Add/Subtra ler Temp Corrected (°C): A Regulated Soil (\sum N/A, water sample)	- M	T		Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun
samples originate in a quarantine zone within the	United States: CA,	NY, or So	C (check ma	including Hawaii and Puerto Rico)? Lives Livo
41			_	Comments/Discrepancy:
Chain of Custody Present?	—————————————————————————————————————	□No	□N/A	1.
Samples Arrived within Hold Time?	- Erres	□No	□N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐Yes	47140	□N/A	3.
Rush Turn Around Time Requested?	☐Yes	HO	□N/A	a. Standard
Sufficient Volume?	4 Yes	□No	□N/A	5.
Correct Containers Used?	⟨□Yès	□No	□N/A	6.
-Pace Containers Used?	d Dyes	No	□N/A	
Containers Intact?	4∃ves	□No	□N/A	7.
Dissolved analysis: Samples Field Filtered?	□Yes	□No	(IN/A	8.
Sample Labels Match COC?	der .	□No	□N/A	9.
-Includes Date/Time/ID/Analysis Matrix:_	W			
Headspace in VOA Vials (>5-6mm)?	□Yes		1 4/A	10.
Trip Blank Present?	□Yes		₫ Ñ/A	11.
Trip Blank Custody Seals Present?	□Yes	□No	OA/A	
OMMENTS/SAMPLE DISCREPANCY				Field Data Required? Yes No
IENT NOTIFICATION/RESOLUTION				Lot ID of split containers:
Person contacted:			_ Date/	Time:
Project Manager SCURF Review:				Date:
Party + Manager CDC Poview				Date:

CHAIN-OF-CUS TODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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CHAIN-OF-CUS TODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. At relevant fields must be completed accurately.

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SAMPLE ID Sample ids must be unique Sample ids	×
SAMPLE ID Sample ids must be unique Sample ids	××××
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	kevin.herring@pace abs.com.
(770/421-3382 Fax Project Name: Mitchell Spring 2021 Semi-Annua:	
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CHAIN-OF-CUS TODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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	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. (pCift, g, F):		
	MS Spike Uncertainty (calculated):		
Υ	MSD Spike Uncertainty (calculated):		
LCSD59287	Sample Result:		
3/25/2021	Sample Result Counting Uncertainty (pCi/L, g, F):		
19-033	Sample Matrix Spike Result:		
24.039	Matrix Spike Result Counting Uncertainty (pCt/L, g, F):		
0.10	Sample Matrix Spike Duplicate Result:		
0.502	Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):		
4.787	MS Numerical Performance Indicator:		
0.057	MSD Numerical Performance Indicator:		
4.732	MS Percent Recovery:		
0.535	MSD Percent Recovery:		
-0.20	MS Status vs Numerical Indicator:		
98.84%	MSD Status vs Numerical Indicator:		
۷/Ż	MS Status vs Recovery:		
Pass	MSD Status vs Recovery:		
125%	MS/MSD Upper % Recovery Limits:		
75%	MS/MSD Lower % Recovery Limits:		

CSD (Y or N)?

Laboratory Control Sample Assessment

2115665 0.078 0.128 0.286 1.20 N/A Pass

MB Sample ID MB concentration; M/B Counting Uncertainty: MB MDC: MB Numerical Performance Indicator: MB Status vs Numerical Indicator, MB Status vs. MDC;

Method Blank Assessment

Count Date: 1,0559287 1,05092927 Sample Re Spike I.D.: 19-033 19-033 Matrix Spike Re Volume Used (ml.); 24,039 24,039 24,039 Matrix Spike Duplicate Re Aliquot Volume (L.g. F); 0,501 4,782 Matrix Spike Duplicate Re Sample (Locardanty (Calculated); 0,056 0,057 Matrix Spike Duplicate Result (PCML, g, F); 4,800 0,057 Matrix Spike Duplicate Result (PCML, g, F); 0,564 0,057 Matrix Spike Duplicate Result (PCML, g, F); 0,564 0,057 Matrix Spike Duplicate Result (PCML, g, F); 0,564 0,057 Matrix Spike Matrix Spi	3/25/2021 19-033 24.039	3/25/2021	Sample Result:
Count Date: 3/25/2021 3/25/2021 Sample Re Spike LD: 19-033 19-033 19-033 Sample Re LD: 19-033 19-033 Spike LD: 19-033 19-033 Spike LD: 19-033 Spike LD: 19-033 Spike LD: 10.501 0.100 0.100 Spike Re Counting Uncertainty (Calculated): 0.059 0.059 0.057 Spike Duplicate Re Locality (DCIL, g, F): 0.059 0.059 0.059 Spike Locality (DCIL, g, F):		3/25/2021	The second of th
19-033 19-033 Matrix Spike Re 24,039 0,10 0,10 0,10 0,502 4,800 0,502 4,800 0,057 0,057 0,503 0,504 0,535 0,80 0,80 0,80 0,80 0,80 0,80 0,80 0,8			Sample Result Couring Office Latting (POLL, B, r.).
cted Spike Concentration (pCt/mL); 24.039 24.039 Matrix Spike Re Natrix Spike Re Natrix Spike Duplicate Re Judicuto Volume (L. g. F); 24.039 Matrix Spike Duplicate Re Natrix Spike Duplicate Re Judicuto Volume (L. g. F); 4.800 4.787 Matrix Spike Duplicate Re Portionance Indicator; 6.031 4.732 Matrix Spike Duplicate Re Portionance Indicator; 0.056 0.057 Matrix Spike Duplicate Re Portionance Indicator; 0.80 -0.20 Percent Recovery; 104.82% 98.84% Percent Recovery; 104.82% 125% 125% 125% 125% 125% 125% 125% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% 155% <t< td=""><td></td><td>19-033</td><td>Sample Matrix Spike Result:</td></t<>		19-033	Sample Matrix Spike Result:
Volume Used (mL); 0.10 0.10 0.10 0.10 Target Conc. (pCML, g, F); 4.800 4.787 0.057 Target Conc. (pCML, g, F); 4.800 0.057 0.057 Counting Uncertainty (Calculated); 0.054 0.057 0.054 0.053 Numerical Performance Indicator; 0.80 0.054 0.035 0.058 Numerical Performance Indicator; 0.80 0.884% 0.884% 0.884		24.039	Matrix Spike Result Counting Uncertainty (pCi/L, g, F):
Aliquot Volume (L, g, F): 0.501 0.502 Target Conc. (pCkL, g, F): 4.800 4.787 Uncertainty (Cacludated): 0.056 0.057 Result (pCkL, g, F): 5.031 4.732 Counting Uncertainty (pCkL, g, F): 0.564 0.536 Numerical Performance Indicator: 0.80 -0.20 Percent Recovery: 10.80 -0.20 Status vs Numerical Indicator: NA Pass Pass Status vs Recovery: 125% 125% Upper % Recovery Limits: 75% 75% 75% Counting Uncertainty (pCkL, g, F): 5.031 Duplicate Sample I.D.: LCS59287 sample IDs ff Sample Result (pCkL, g, F): 5.031 Counting Uncertainty (pCkL, g, F): 6.054 LCS/LCSD in		0.10	Sample Matrix Spike Duplicate Result:
Target Conc. (pCt/L, g, F): 4.800		0.502	Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
Uncertainty (Calculated): 0.056 0.057 MS		4.787	MS Numerical Performance Indicator;
Result (pci/L. g, F): 5.031		0.057	MSD Numerical Performance Indicator:
Counting Uncertainty (pCi/L, g, F): 0.564 0.535 0.535 0.080 -0.20 0.00 -0.20 0.00		4.732	MS Percent Recovery:
Numerical Performance Indicator: 0.80		0.535	MSD Percent Recovery:
Status vs Numerical Indicator: NA NA NA NA NA NA NA NA NA NA NA NA NA		-0.20	MS Status vs Numerical Indicator:
Status vs Numerical Indicator	_	98.84%	MSD Status vs Numerical Indicator:
Status vs Recovery Limits: 125% 125% 155% 155% 155% 155% 155% 155%		۷/X	MS Status vs Recovery:
Upper % Recovery Limits: 125% 125% 125% 15% 15% 15% 15% 15% 15% 15% 15% 15% 1		Pass	MSD Status vs Recovery:
Lower % Recovery Limits: 75% 75% 75% Matrix Spike/Matrix Spike Dur		125%	MS/MSD Upper % Recovery Limits:
Sample 1.D.: LCS59287 Enter Duplicate Duplicate Sample 1.D. LCSD59287 sample Ds if Sample Result (pCML, 9, F): 5.031 other than Counting Uncertainty (pCML, 9, F): 0.564 LCSALCSD in		75%	MS/MSD Lower % Recovery Limits:
Sample 1.D.: LCS59287 Enter Duplicate Duplicate Sample 1.D. LCSD59287 sample IDs if Sample Result (pCML, 9, F): 5.031 other than Counting Uncertainty (pCML, 9, F): 0.564 LCSALCSD in			
LCS59287 LCSD59287 5.031 0.564	le Assessment		Matrix Spike/Matrix Spike Duplicate Sample Assessment
LCSD59287 5.031 0.564	LCS59287	inter Duplicate	Sample I.D.
5.031	LCSD59287	sample IDs if	Sample MS I.D.
0.564	5.031	other than	Sample MSD I.D.
	0.564	LCS/LCSD in	Sample Matrix Spike Result:
the space below.	4.732	e space below.	Matrix Spike Result Counting Uncertainty (pCi/L, g, F):
0.535			Sample Matrix Spike Duplicate Result:
			Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
	0.756	92525653001	Duplicate Numerical Performance Indicator:
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD: 5.88% \$2525653001DUP (Based on the Percent Recov	5.88%	525653001DUP	(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
Duplicate Status vs Numerical Indicator: N/A MS/ MS/ MS/ MS/ Duplicat			MS/ MSD Duplicate Status vs Numerical Indicator:
Pass			MS/ MSD Duplicate Status vs RPD:
% RPD Limit: 25%			, % RPD Limit:

Duplicate Sample Assessment

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

Comments:



NONE E

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Ra-226 CLA 3/24/2021 59287 DW Test: Analyst: Date: Worklist: Matrix:

2115665	0.078	0.128	0.288	1.20	ΑN	Pass
MB Sample ID	MB concentration:	M/B Counting Uncertainty:	MB MDC:	MB Numerical Performance Indicator.	MB Status vs Numerical Indicator:	MB Status vs. MDC:

Method Blank Assessmen

	z	
Pass	LCSD (Y or N)?	
MB Status vs. MDC:	iii	
	ssment	
	Laboratory Control Sample Assessment	
	Laboratory Cont	

	Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD
	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):		
Γ	MSD Spike Uncertainty (calculated):		
	Sample Result:		
Γ	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 (pC/lL, 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:		
1			

ol Sample Assessment	LCSD (Y or N)?	z
	LC\$59287	LCSD59287
Count Date:	3/25/2021	
Spike I.D.:	19-033	
Decay Corrected Spike Concentration (pCi/mL):	24.039	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0.501	
Target Conc. (pCi/L, g, F):	4.800	
Uncartainty (Calculated):	0.058	
Result (pCi/L, g, F):	5.031	
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.564	
Numerical Performance Indicator:	0.80	
Percent Recovery:	104.82%	
Status vs Numerical Indicator:	N/A	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	125%	
Lower % Recovery Limits:	75%	

icate Sample Assessment			Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample I.D.:	Sample I.D.: 92525653001 Enter Duplicate	Enter Duplicate	Sample I.D.
Duplicate Sample I.D. 92525653001DUP sample IDs if	92525653001DUP	sample IDs if	Sample MS I.D.
Sample Result (pCi/L, q, F):	0.181	other than	Sample MSD I.D.
Sample Result Counting Uncertainty (pCi/L, g, F):	0.197	LCSALCSD in	Sample Matrix Spike Result:
Sampte Duplicate Result (pCi/L, g, F):	0,244	the space below.	Matrix Spike Result Counting Uncertainty (pCiVL, g, F):
Sample Duplicate Result Counting Uncertainty (pCiVL, g, F):	0.147		Sample Matrix Spike Duplicate Result:
Are sample and/or duplicate results below RL?	See Below #		Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):
Duplicate Numerical Performance Indicator:	-0.503	92525653001	Duplicate Numerical Performance Indicator:
Duplicate RPD:	29.70%	B2525653001DUP	(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:
Duplicate Status vs Numerical Indicator:	A/N		MS/ MSD Duplicate Status vs Numerical Indicator:
Duplicate Status vs RPD:	Fail***	Annual and the State of State	MS/ MSD Duplicate Status vs RPD:
% RPD Limit:	25%		% RPD Limit

Duplicate Sample Assessment

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

Comments:

***Batch**must be re-propped due to unacceptable precision: $\Delta (A - \omega_{\rm SM}) \leq 125 / 2.1$



2 SSENA

1 of 1

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Quality Control Sample Performance Assessment

Analyst Must h		Sample Matrix Sp			
	Ra-226	CLA	3/18/2021	59289	ΔM

Test: Analyst: Date: Worklist: Matrix:

Manually Enter All Fields Highlighted in Yellow.

MS/MSD 2																													
MS/MSD 1																													
Sample Matrix Spike Control Assessment	Sample Collection Date:	Sample 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 (1, g, F):	MSD Target Conc. (pCi/L, g, F):	MS Spike Uncertainty (calculated):	MSD Spike Uncertainty (calculated):	Ī	Sample Result Counting Uncertainty (pCl/L, g, F):	Sample Matrix Spike Result:	Matrix Spike Result Counting Uncartainty (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:
														9289															

2115671 0.142 0.129 0.243 2.16 N/A Pass

MB Sample ID

Method Blank Assessment

M/B Counting Uncertainty: M/B MDC:

MB Numerical Performance Indicator. MB Status vs Numerical Indicator: MB Status vs. MDC:

Laboratory Control Sample Assessment	LCSD (Y or N)?	N
L	LCS59289	LCSD59289
Count Date:	3/26/2021	
Spike I.D.:	19-033	
Decay Corrected Spike Concentration (pCi/mL):	24.039	
Volume Used (mL):	0.10	
Aliquot Volume (L, g, F):	0,501	
Target Conc. (pCi/L, g, F):	4.797	
Uncertainty (Calculated):	0,058	
Result (pCi/L, g, F):	5,221	
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0,530	
Numerical Performance Indicator:	1.56	
Percent Recovery:	106.83%	
Status vs Numerical Indicator:	A/N	
Status vs Recovery:	Pass	
Upper % Recovery Limits:	125%	
Lower % Recovery Limits:	75%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	Sample I.D.: 92525905004 Enter Duplicate	4DUP sample IDs if	other than	LCS/LCSD in Sample Matrix Spike Result:	the space below. Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	Sample Matrix Spike Duplicate Result;	/## Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g. F):	92525905004 Duplicate Numerical Performance Indicator.	92525905004DUP (Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	MS/ MSD Duplicate Status vs Numerical Indicator.	MS/ MSD Duplicate Status vs RPD:	(
	925259050	92525905004	0.131	0.145	0.079	0.113	See Below 推	0.554	49.44%	A/N	Fail***	25%
Duplicate Sample Assessment	Sample I.D.:	Duplicate Sample I.D. 92525905004DUP sample IDs if	Sample Result (pCi/L, g, F):	Sample Result Counting Uncertainty (pCi/L, g, F):	Sample Duplicate Result (pCi/L, g, F):	Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator:	Duplicate RPD:	Duplicate Status vs Numerical Indicator.	Duplicata Status vs RPD:	% RPD Limit

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

15/02/6 MAN 2/2012

**Batch must be re-prepped due to una

Comments:

12/972/5000

1 of 1

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Quality Control Sample Performance Assessment

CLA 3/18/2021 Ra-226 Test: Analyst: Date:

Analyst Must Manually Enter All Fields Highlighted in Yellow.

	MS/MSD Decay						
DW	2115671	0.142	0.129	0.243	2.16	N/A	
Madix.	3 Sample ID	incentration:	Uncertainty:	MB MDC:	ce Indicator:	al Indicator:	OF THE MADO.

Sample Matrix Spike Control Assessment Sample Collection Date: Sample LD. Sample LD. Sample MS LD. Sample MS LD. Spike LD. Spike LD. Spike Volume Used in MS (mL): Spike Volume Used in MS (mL): MS Target Conc. (pCift., g. F): MS Target Conc. (pCift., g. F): MS Target Conc. (pCift., g. F): MS Date Uncertainty (calculated): Sample Result Sample Result Counting Uncertainty (pCift., g. F): MS Spike Uncertainty (pCift., g. F): MS Numerical Performance Indicator: MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MSD Status vs Recovery: MSD Status vs Recovery: MSD Status vs Recovery: MSD Status vs Recovery: MSD Status vs Recovery: MSD Status vs Recovery: MSMMSD Upper % Recovery: MSMMSD Upper % Recovery: MSMMSD Upper % Recovery: MSMMSD Upper % Recovery: MSMMSD Upper % Recovery: MSMMSD Upper % Recovery: MSMSD Upper % MSMSD Upper %	MS/MSD 2												**************																		
Sample Matrix Spike Control Assessment Sample Collection Date: Sample MS LD. Sample MS LD. Sample MSD LD. Sample MSD LD. Sample MSD LD. Spike Volume Used in MSD (mL). Spike Volume Used in MSD (mL). Spike Volume Used in MSD (mL). MSD Aliquot (L, g, F). MSD Target Conc. (pCiVL, g, F). MSD Target Conc. (pCiVL, g, F). MSD Spike Uncertainty (calculated). Sample Result Counting Uncertainty (pCiVL, g, F). Sample Result Counting Uncertainty (pCiVL, g, F). Sample Matrix Spike Duplicate Result Counting Uncertainty (pCiVL, g, F). Sample Matrix Spike Duplicate Result Counting Uncertainty (pCiVL, g, F). MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Numerical Performance Indicator: MSD Status vs Recovery: MSD MSD Status vs Recovery: MSD MSD MSD Status vs Recovery: MSD MSD MSD MSD Status vs Recovery: MSD MSD MSD MSD Status vs Recovery: MSD MSD MSD MSD STATUS VS MSD MSD STATUS VS MSD STATUS VS MSD STATUS VS MSD MSD STATUS VS MSD MSD STA	MS/MSD 1																														_
	Sample Matrix Spike Control Assessment	Sample Collection Date:	Sample I.D.	Sample MS I.D.	Sample MSD I.D.	Spike I.D.:	MS/MSD Decay Corrected Spike Concentration (pCi/mL):	Spike Volume Used in MS (mi):	Soike Volume Used in MSD (mt.):	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:	indiani I reconced 70 seems I CONTON

3/26/2021 19-033 24.039 0.10 0.505 4.761 0.057 5.012 0.536

3/26/2021 19-033 24.039 0.10 0.501 4.797 0.058 5.221 0.530

Count Date Spike I.D.

Laboratory Control Sample Assessmen

Decay Corrected Spike Concentration (pCi/mL):

		25%	% RPD Limit.
		Pass	Duplicate Status vs RPD:
		A/A	Duplicate Status vs Numerical Indicator:
(Bas	92525905004DUP	3.32%	(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:
	92525905004	0.541	Duplicate Numerical Performance Indicator:
Matrix		2	Are sample and/or duplicate results below RL?
		0.536	Sample Duplicate Result Counting Uncertainty (pCl/L, g, F):
	the space below.	5.012	Sample Duplicate Result (pCi/l., g, F):
	LCS/LCSD in	0.530	Sample Result Counting Uncertainty (pCVL, g, F):
	other than	5.221	Sample Result (pCi/L, g, F):
	sample IDs if	LCSD59289	Duplicate Sample I.D.
	Enter Duplicate	LCS59289	: Cample I.D.:
Matrix Sp			Duplicate Sample Assessment
	75%	75%	Lower % Recovery Limits:
	125%	125%	Upper % Recovery Limits:
_	Pass	Pass	Status vs Recovery:
	Α×	ΑN	Status vs Numerical Indicator:
	105.27%	108.83%	Percent Recovery:
	0.91	1.56	Numerical Performance Indicator:
	0,536	0.530	LCS/LCSD Counting Uncertainty (pCi/L, g, F):
	5,012	5.221	Result (pCi/L, g, F):
	0,057	0.058	Uncertainty (Calculated):
	4.761	4.797	Target Conc. (pCi/L, g, F):
Matrix	0.505	0.501	Aliquot Volume (L, g, F):
	0.10	0.10	Volume Used (mL):
	2001	2001	Constitution object object (boston)

												••••
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 (pCt/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:	imi Udd %

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

Comments:

12/02/2m/21

TAR_59289_W.xls Total Alpha Radium (R104-3 11Feb2019).xls

Face Analytical

Quality Control Sample Performance Assessment

VAL 3/22/2021 Test Worklist Matrix Date Analyst

59272 WT

MS/MSD 2

MS/MSD 1

Sample I.D. Sample MS I.D.

Sample Collection Date

Sample Matrix Spike Control Assessment

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): MSD Aliquot (L, g, F): MSD Target Conc. (pCi/L, g, F):

MS Target Conc.(pCi/L, g, F):

Analyst Must Manually Enter All Fields Highlighted in Yellow.

0.331 1.18 Pass Pass MB concentration; M/B 2 Sigma CSU: MB MDC; MB Sample ID MB Numerical Performance Indicator: MB Status vs Numerical Indicator: MB Status vs. MDC

Method Blank Assessmen

Laboratory Control Sample Assessmen

3/24/2021 21-003 38.341 0.10 0.805 4.763

Volume Used (mL):

Spike I.D.

Decay Corrected Spike Concentration (pCi/mL):

Aliquot Volume (L, g, F): Target Conc. (pCi/L, g, F):

Uncertainty (Calculated): Result (pCi/L, g, F);

LCS/LCSD 2 Sigma CSU (pCi/L, g, F):

Numerical Performance Indicator:

Percent Recovery: Status vs Numerical Indicator Status vs Recovery Upper % Recovery Limits: Lower % Recovery Limits:

4.418 1.059 -0.62 92.76%

N/A Pass 135% 60%

Duplicate Sample Assessment

Sample Result 2 Sigma CSU (pCi/L, g, F): Sample Matrix Spike Result: Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result 2 Sigma CSU (pCi/l., g, F): MS Numerical Performance Indicator: Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): MSD Status vs Recovery. MS/MSD Upper % Recovery Limits: MS/MSD Lower % Recovery Limits: MS Spike Uncertainty (calculated): MSD Spike Uncertainty (calculated): Sample Result MSD Numerical Performance Indicator MS Status vs Numericai Indicator. MSD Status vs Numericai Indicator. MS Percent Recovery MSD Percent Recovery MS Status vs Recovery 3/24/2021 21-003 38.341 0.10 0.230 0.230 0.230 1.008 -1.18 86.70% N/A Pass 135%

Matrix Spike/Matrix Spike Duplicate Sample Assessment Enter Duplicate sample IDs if other than LCS/LCSD in the space below. LCS59272 LCSD59272 1.059 4.067 1.008 NO 0.470 6.75% Pass Pass 36% Sample Result (pC/N, g, F): Sample Result 2 Sigma CSU (pC/N, g, F): Sample Duplicate Result (pC/N, g, F): Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):
Are sample and/or duplicate results below RL? Duplicate Numerical Performance Indicator: (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD: Duplicate Status vs Numerical Indicator: Sample I.D.: Duplicate Sample I.D. Duplicate Status vs RPD % RPD Limit

Sample I.D. Sample MSI.D. Samp	Sample Matrix Spike Result 2 Signa CSU (pCiU. g. F): Cannol Matrix Stitus Discussional Matrix Stitus	Matrix Spike Duplicate Result 2 Signar 620 (PCVL, 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



Ra-228 NELAC DW2 Printed: 3/25/2021 10:48 AM

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Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Ra-228 Test

	Pass	MB Status vs. MDC:
	Pass	MB Status vs Numerical Indicator:
	1.90	MB Numerical Performance Indicator:
	0.657	MB MDC:
	0.318	M/B 2 Sigma CSU;
	0.308	MB concentration:
MS/MSD Deca	2118824	MB Sample ID
	TW	Matrix:
	59356	Worklist
	3/19/2021	Date:
Sample Matrix Spike C	VAL	Analyst

Method Blank Assessment

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD
Sample Collection Date:		
Sample 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. (pCil., 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:		

LCSD (Y or N)?

Laboratory Control Sample Assessment

								_							_
LCSD59356	3/22/2021	21-003	38.368	0.10	0.816	4.703	0.230	3.043	0.781	-3.99	64.70%	ΑX	Pass	135%	%09
LCS59356	3/22/2021	21-003	38.368	0.10	0.814	4.715	0.231	3.779	0.901	-1.97	80.15%	A/N	Pass	135%	%09
	Count Date:	Spike I.D.:	Decay Corrected Spike Concentration (pCi/mL):	Volume Used (mL):	Aliquot Volume (L, g, F):	Target Conc. (pCi/L, g, F):	Uncertainty (Calculated):	Result (pCi/L, g, F):	LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	Numerical Performance Indicator:	Percent Recovery:	Status vs Numerical Indicator:	Status vs Recovery:	Upper % Recovery Limits:	Lower % Recovery Limits:

licate Sample Assessment	Sample I.D.	Sample MS I.D.	Sample MSD I.D.	Sample Matrix Spike Result:	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	Sample Matrix Spike Duplicate Result:	Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	Duplicate Numerical Performance Indicator:	(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:	MS/ MSD Duplicate Status vs Numerical Indicator:	MS/ MSD Duplicate Status vs RPD:	% RPD Limit:
Matrix Spike/Matrix Spike Duplicate Sample Assessment					Matrix Sp	•	Matrix Spike Duplic	Duplic	(Based on the Percent F	™S/ WSD D™		
	Enter Duplicate	sample IDs if	other than	LCS/LCSD in	the space below.							

LCS59356 LCSD59366 3.779 0.901 3.043 0.781 NO 1.210 21.34% Pass Pass 36%

Sample Result (DCIL, g, F):
Sample Result 2 Sigma CSU (pCIL, g, F):
Sample Duplicate Result (pCIL, g, F):
Sample Duplicate Result 2 Sigma CSU (pCIL, g, F):
Are sample and/or duplicate results below RL?

Sample I.D.: Duplicate Sample I.D.

Duplicate Sample Assessment

Duplicate Numerical Performance Indicator:
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:
Duplicate Status vs Numerical Indicator:
Supplicate Status vs RPD:
% RPD:

/	(A)	で う う	r S

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

Comments:

Ra-228 NELAC DW2 Printed: 3/23/2021 12:51 PM



Data Evaluation Narrative

Project: Plant Mitchell CCR Groundwater Assessment Monitoring Event #4

Wood Project Number: 6122160170.2003.****
Site: Ash Ponds 1&2 - Plant Mitchell, Georgia

Matrix: Groundwater

Pace SDG Nos: 92492821 and 92492815

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the Assessment Monitoring Event #4 (August 2020) 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 USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u> J	Usable Data 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. 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.
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. Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

SDG Nos: 92492821 and 92492815 Page 1 of 16



Qualifier Unusable Data

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 Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly, Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6020B, SW7470A, EPA 300.0, SW9315, and SW9320.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for CCR Appendix IV metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Method SW6020, mercury by Method SW7470A, and anions (fluoride) by Method 300.0. 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 92492815.

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:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
PZ-1D	08/25/20	II	PZ-33	08/26/20	II
PZ-2D+QC	08/26/20	II	PZ-15	08/26/20	П
PZ-31	08/25/20	II	PZ-16	08/26/20	П
PZ-14	08/26/20	II	PZ-19	08/26/20	II
PZ-23A	08/26/20	II	QC Samples		
PZ-17	08/26/20	II	FB-01	08/26/20	II
PZ-25	08/26/20	II	EB-01	08/25/20	П
PZ-32	08/25/20	II	DUP-01	08/26/20	II
PZ-7D	08/26/20	II	DUP-02	08/26/20	II
PZ-18+QC	08/27/20	II			

SDG Nos: 92492821 and 92492815 Page 2 of 16



These samples were collected from Ash Ponds 1 and 2 on August 25 through 27, 2020. Sample DUP-01 is a field duplicate of PZ-25, and DUP-02 is a field duplicate of PZ-23A. The field QC blanks include samples FB-01 (a field blank sample) and EB-01 (an equipment blank). Samples PZ-2D+QC and PZ-18+QC were submitted for MS/MSD analysis.

The analytical results for the metals, mercury, anions, and radium 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 IV metals by Methods SW6020B. The CCR 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 for metals except for method blank contamination.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

One of the laboratory method blanks associated with the samples analyzed within this SDG contained Sb (0.00043J mg/L). Results less than five times the method blank value were considered "not detected" as possible laboratory artifacts: **Reason Code: BL**

Action: The Sb results for samples PZ-23A, DUP-02, PZ-15, PZ-16, PZ-17, PZ-7D, PZ-1D, and PZ-2D were qualified as not detected and flagged "U*".

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on sample PZ-23A, 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

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. DUP-01 is associated with monitoring well PZ-25, and DUP-02 is associated with monitoring well PZ-23A. Acceptable duplicate precision was achieved, and no qualification of the parent or duplicate samples was required.

SDG Nos: 92492821 and 92492815 Page 3 of 16



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 the samples reported in this SDG and reported no contamination for metals. Sample EB-01 is the associated equipment blank and no metals were detected.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method 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 for mercury except for field blank contamination.

Holding Times

The sample analyses were performed within the 28-day analysis holding time.

Method Blanks

The method blank associated with the samples analyzed within this SDG 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-23A, and the recoveries and RPD were within QC limits.

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. DUP-01 is associated with monitoring well PZ-25, and DUP-02 is associated with monitoring well PZ-23A. Acceptable duplicate precision was achieved, and no qualification of the parent samples was required.

SDG Nos: 92492821 and 92492815 Page 4 of 16



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. EB-01 is an equipment blank associated with all samples collected during this sampling event and no mercury was detected. FB-01 is the associated field blank and reported mercury below the reporting limit (0.000099 J mg/L). Results less than five times the field blank value were considered "not detected" as possible laboratory artifacts: **Reason Code: BF**

Action: The Hg results for samples PZ-23A, DUP-02, PZ-19, PZ-33, PZ-14, PZ-31, and PZ-1D were qualified as not detected and flagged "U*".

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" qualifier is maintained by the data validator unless overridden by qualification for other QC criteria.

Anions (EPA 300)

The samples were submitted to Pace for anions (fluoride) 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-19 and PZ-25, and the percent recoveries and RPDs were within QC limits.

SDG Nos: 92492821 and 92492815 Page 5 of 16



Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. DUP-01 is associated with monitoring well PZ-25, and DUP-02 is associated with monitoring well PZ-23A. Acceptable duplicate precision was achieved, and no qualification of the parent samples was required.

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 EB-01 is an equipment blank and is associated with the samples reported in this SDG and reported no contamination for fluoride. Sample FB-01 is the associated field blank and reported no contamination for fluoride.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of fluoride 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.

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 method blank contamination.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

One or more of the laboratory method blanks contained reportable concentrations of Ra-226 or Ra-228 above the MDC. Results less than five times the method blank value were considered "not detected" as possible laboratory artifacts: **Reason Code: BL**

Action: The Ra-228 and total radium results for sample PZ-17 were qualified as not detected and flagged "U*".

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 for Ra-226 and Ra-228 in sample PZ-2D, and the RPDs were above the QC limit.

SDG Nos: 92492821 and 92492815 Page 6 of 16



Action: No qualification was necessary because the associated results for PZ-2D were less than the MDCs.

Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Sample DUP-01 is associated with monitoring well PZ-25, and DUP-02 is associated with monitoring well PZ-23A. Acceptable duplicate precision was achieved, and no qualification of the associated samples was required.

Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The field blank sample (FB-01) and equipment blank sample (EB-01) contained both Ra-226 and Ra-228 but activity counts were below the MDC indicating that Ra-226 and Ra-228 did not contribute to the results.

Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries for the samples and QC were within the QC limit of 30% to 110%.

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. Although the submitted MS/MSDs were not performed, the laboratory included at least one project sample as a batch MS/MSD for each method and there was no negative effect on the overall quality of the data.

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.

USEPA, 2014. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: <u>DWK 09/16/2020</u> Checked By/Date: <u>JAH 09/18/2020</u>

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TABLE 1 SUMMARY OF DATA QUALIFIERS

SDG Nos: 92492821 and 92492815 Page 8 of 16

TABLE 1 SUMMARY OF DATA QUALIFIERS SAMPLE DELIVERY GROUPS 92492821 and 92492815 SAMPLING DATES: August 25 through 27, 2020 Plant Mitchell Ash Ponds 1 and 2

Field Sample ID	Location ID	Туре	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
PZ-14	PZ-14	N	92492821	7470A	mercury	0.00015	J	U*	BF	mg/L
PZ-15	PZ-15	N	92492821	6020B	antimony	0.00062	J, B	U*	BL	mg/L
PZ-16	PZ-16	N	92492821	6020B	antimony	0.00037	J, B	U*	BL	mg/L
PZ-17	PZ-17	N	92492821	6020B	antimony	0.00061	J, B	U*	BL	mg/L
PZ-17	PZ-17	N	92492815	9320	radium-228	1.21		U*	BL	pCi/L
PZ-17	PZ-17	N	92492815	9315/9320	total radium	1.62		U*	BL	pCi/L
PZ-19	PZ-19	N	92492821	7470A	mercury	0.0001	J	U*	BF	mg/L
PZ-1D	PZ-1D	N	92492821	6020B	antimony	0.0012	J, B	U*	BL	mg/L
PZ-1D	PZ-1D	N	92492821	7470A	mercury	0.000099	J	U*	BF	mg/L
PZ-23A	PZ-23A	N	92492821	6020B	antimony	0.00038	J, B	U*	BL	mg/L
PZ-23A	PZ-23A	N	92492821	7470A	mercury	0.00017	J	U*	BF	mg/L
DUP-2	PZ-23A	FD	92492821	6020B	antimony	0.0016	J, B	U*	BL	mg/L
DUP-2	PZ-23A	FD	92492821	7470A	mercury	0.00017	J	U*	BF	mg/L
PZ-2D	PZ-2D	N	92492821	6020B	antimony	0.0008	J, B	U*	BL	mg/L
PZ-31	PZ-31	N	92492821	7470A	mercury	0.0001	J	U*	BF	mg/L
PZ-33	PZ-33	N	92492821	7470A	mercury	0.00011	J	U*	BF	mg/L
PZ-7D	PZ-7D	N	92492821	6020B	antimony	0.00031	J, B	U*	BL	mg/L

Notes:

Results qualified "J" due to detections between the MDL and RL are not included on this table unless overridden by othe DQE qualifiers.

Laboratory Qualifiers:

B = Analyte was detected in the associated method blank.

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

Reason Codes:

BF = Field blank contamination. The result should be considered "not-detected".

BL = Laboratory blank contamination. The result should be considered "not-detected".

Validation Qualifiers:

U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: <u>DWK 09/16/20</u> Checked by/Date: <u>JAH 09/18/20</u>



DQE CHECKLISTS

SDG Nos: 92492821 and 92492815 Page 9 of 16



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Assessment Monitoring Event 4

Project No: 6122160170.2003.**** **Method:** Metals by SW6020B

X

X

Χ

Laboratory and Lot: Pace SDG: 92492821

Reviewer/Date: D. Knaub 09/11/2020 Senior Reviewer/Date: JAH 09/18/2020

YES NO NA COMMENTS

Case Narrative and COC Completeness Review

No case narrative is included with Level II data package from Pace.

COC requests App IV metals, the following were reported: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, and Tl

(Be and Cd not previously listed as App IV metals)

Sample PZ-18 + QC not included on COCs.

Sample Preservation and cooler temperature met (HNO₃ to pH<2; 6°C±2)

4 coolers received 8/27 = 4.1, 5.8, 3.3, and 2.5°C. OK

1 cooler received 8/28 –OK

Holding times met (180 days)

OK

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 27 MB 2985842 Sb = 0.00043J x5 = 0.00215 mg/L

Flag assoc. results "U*": PZ-23A, DUP-02, PZ-15, PZ-16, PZ-17, PZ-7D, PZ-1D, PZ-2D

Reason Code: **BL** p. 29 MB 2988642 = ND

Field/Equipment Blanks:

EB-01 = ND (associated with PZ-2B only)

FB-01 = ND (associated with all samples)

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 27 LCS 2985843 – All OK

p. 29 LCS 2988643 – All OK

Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-25 = Dup-01

<u>Constituent</u>	Parent Conc (mg/L)	<u>Dup Conc (mg/L)</u>	<u>RPD/Diff</u>
Ва	0.10	0.10	0.0
Co	0.0016J	0.0015 J	0.0001
Li	0.0065J	0.0062J	0.0003
TI	0.00037 J	0.00036J	0.00001

SDG Nos: 92492821 and 92492815 Page 10 of 16



PZ-23A = Dup-02

Constituent	Parent Conc (mg/L)	Dup (mg/L)	RPD/Diff
Sb	0.00038 U*	0.0016 U*	NA
Ва	0.039	0.037	5.3
Cr	0.0014J	0.0013J	0.0001
Со	0.00058J	0.00055 J	0.00003
Li	0.0011J	0.0011J	0.0
Se	0.0026 J	0.0033 J	0.0007
TI	0.00016J	ND	NA

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).

Χ

Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)

*Samples PZ-2D and PZ-18 were submitted for MS/MSD analysis but neither were performed p. 27-28 **PZ-23A** - All %rec and RPDs OK

p. 29-30 Not a sample from this SDG - All %rec and RPDs OK



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 (18 samples total)

No samples in this SDG required a dilution.

SDG Nos: 92492821 and 92492815



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Assessment Monitoring Event 4

Project No: 6122160170.2003.****

Method: <u>Hg by SW7470A</u>

X

X

Laboratory and Lot: Pace SDG: 92492821 (Pace – Peachtree Corners, GA)

Reviewer/Date: D. Knaub 09/11/2020 Senior Reviewer/Date: JAH 09/18/2020

YES NO NA COMMENTS

Case Narrative and COC Completeness Review

No case narrative is included with Level II data package from Pace. COC requests App IV metals, *Hg not previously listed as App IV metal* Sample *PZ-18* + *QC* not included on COCs.

Sample Preservation and cooler temperature met (HNO₃ to pH<2; 6°C±2)

4 coolers received 8/27 = 4.1, 5.8, 3.3, and 2.5°C. OK

1 cooler received 8/28 – OK

Holding times met (Hg = 28 days)

OK

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 31 MB 2987108 Hg = ND

Field/Equipment Blanks:

EB-01 Hg = ND (associated with PZ-2B only) FB-01 Hg = 0.000099 J mg/L x5 = 0.000495 mg/L

Flag assoc. results "U*": PZ-23A, DUP-02, PZ-19, PZ-33, PZ-14, PZ-31, PZ-1D

Reason Code: BF

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 31 LCS 2987109 Hg = 93% OK

Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-25 = Dup-01

 $\begin{array}{c|cccc} \underline{Constituent} & \underline{Parent\ Conc\ (mg/L)} & \underline{Dup\ Conc\ (mg/L)} & \underline{RPD/Diff} \\ \underline{Hg} & \underline{ND} & \underline{ND} & \underline{NA} \\ \end{array}$

PZ-23A = Dup-02

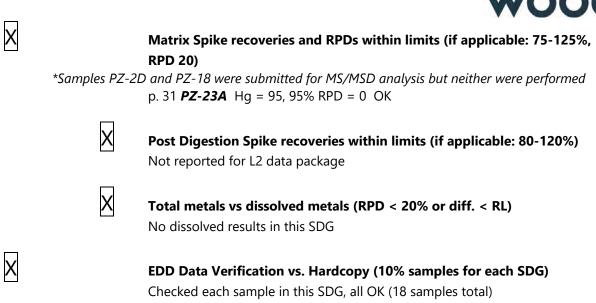
 Constituent
 Parent Conc (mg/L)
 Dup (mg/L)
 RPD/Diff

 Hq
 0.00017 U*
 0.00017 U*
 NA

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).

SDG Nos: 92492821 and 92492815 Page 12 of 16





No samples in this SDG required a dilution.

SDG Nos: 92492821 and 92492815 Page 13 of 16



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Assessment Monitoring Event 4

Project No: <u>6122160170.2003.****</u> **Method:** <u>Anions (fluoride) by EPA 300</u>

X

Laboratory and Lot: Pace SDG: 92492821 (Pace – Asheville, NC)

Reviewer/Date: D. Knaub 09/11/2020 Senior Reviewer/Date: JAH 09/18/2020

YES NO NA COMMENTS

Case Narrative and COC Completeness Review

No case narrative is included with Level II data package from Pace

Sample PZ-18 + QC not included on COCs.

Sample Preservation and cooler temperature met (Cool to 6°C)

4 coolers sent 8/26 = 4.1, 5.8, 3.3, and 2.5°C. OK

1 cooler received 8/28 – within temp, OK

Holding times met (F –28 days)

OK

QC Blanks Review – Any detections above RL?

Method Blanks:

p. 32 MB 2985598 F = ND p. 33 MB 2985604 F = ND

p. 34 MB 2986801 F = ND Field/Equipment Blanks:

EB-01 F = ND FB-01 F = ND

Laboratory Control Sample (LCS) recovery within lab limits (90-110%)

p. 32 LCS 2985599: F = 104% OK p. 33 LCS 2985605: F = 107% OK

p. 34 LCS 2986802 F = 105% OK

Lab Duplicate - Field Duplicate precision goals met (20%)

PZ-25 = Dup-01

<u>Constituent</u> Parent Sample Conc (mg/L) <u>Dup Conc (mg/L)</u> <u>RPD/Diff</u>

fluoride 0.14 0.14 0.0

PZ-23A = Dup-02

<u>Constituent</u> <u>Parent Sample Conc (mg/L)</u> <u>Dup Conc (mg/L)</u> <u>RPD/Diff</u>

fluoride 0.057J ND NA

Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)

p. 32 Not samples from this SDG - % rec and RPDs OK

p. 33 PZ-19 F = 105, 106% RPD = 1 OK

PZ-25 F = 106, 106% RPD = 0 OK

p. 34 Not samples from this SDG - % rec and RPDs OK

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Checked each sample in this SDG, all OK (18 samples total)

No samples in this SDG required a dilution

SDG Nos: 92492821 and 92492815 Page 14 of 16



LEVEL II DATA QUALITY VALIDATION RECORD

Project: <u>Plant Mitchell CCR Assessment Monitoring Event 4</u>

Project No: 6122160170.03.****

Method: Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320

Laboratory and Lot: Pace SDG: 92492815 (Pace-Greensburg, PA)

Reviewer/Date: D. Knaub 09/16/2020 Senior Reviewer/Date: JAH 09/18/2020

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>
X			Case Narrative and COC Completeness Review OK
X			Sample Preservation and cooler temperature met (HNO $_3$ to pH<2) $$ $$ $$ $$ $$ $$ $$ $$ $$ $$
X			Holding times met (180 days) OK
			QC Blanks Review (net blank value <mdc) (1994499)="present" (1994514)="0.206" (sample="" 018)<="" 29="" 30="" <mdc="" but="" l="" p.="" pci="" radium-226="" radium-228="" td=""></mdc)>
			present but <mdc (nd)<br="">p. 24 FB-01– present but <mdc< td=""></mdc<></mdc>
			Laboratory Control Sample (LCS) recovery within lab limits (80-120%; RPD = RER (2σ <3) p. 43-44 LCS 55957 Ra-226 = 83.08% p. 45-46 LCS 55959 Ra-226 = 92.23% p. 47 LCS 55952 Ra-228 = 91.85% p. 48 LCS/LCSD 55954 Ra-228 = 106.10, 104.44% RPD = 1.57
			Lab Duplicate - Field Duplicate precision goals met (lab limits); lab dup every 10 samples (RPD = RER (2σ) <3) PZ-25 = DUP-01 Constituent Parent Conc (pCi/L) Dup Conc (pCi/L) RPD Ra-226 < MDC 0.490 NC Ra-228 < MDC < MDC NC tot. radium < MCC < MDC NC

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YES NO NA

Χ

Lab Duplicate - Field Duplicate (cont.)

PZ-23A = DUP-02

Constituent	Parent Conc (pCi/L)	Dup Conc (pCi/L)	<u>RPD</u>
Ra-226	<mdc< td=""><td><mdc< td=""><td>NC</td></mdc<></td></mdc<>	<mdc< td=""><td>NC</td></mdc<>	NC
Ra-228	<mdc< td=""><td><mdc< td=""><td>NC</td></mdc<></td></mdc<>	<mdc< td=""><td>NC</td></mdc<>	NC
tot. radium	<mdc< td=""><td><mdc< td=""><td>NC</td></mdc<></td></mdc<>	<mdc< td=""><td>NC</td></mdc<>	NC

p. 43 Lab dup – PZ-2D Ra-226 RPD = 88.26% No flag, result < MDC p. 44 Lab dup – PZ-2D Ra-226 RPD = 303.91% No flag, result < MDC p. 45 Lab dup – PZ-2D Ra-226 RPD = 128.44% No flag, result < MDC p. 47 Lab dup – PZ-2D Ra-228 RPD = 117.83% No flag, result < MDC

Matrix Spike recoveries and RPDs within limits (if applicable)

NA - Pace only performs MS/MSD on drinking water samples

Carrier/Tracer Yield Recovery Ra-226 (Carrier: Ba);

Ra-228 (Carrier Ba, Tracer: Y) (30-110%)

All ok

EDD Data Verification vs. Hardcopy (10% samples for each SDG).

Checked each sample in this SDG, all OK (18 samples total)

SDG Nos: 92492821 and 92492815 Page 16 of 16



Data Evaluation Narrative

Project: Plant Mitchell CCR Groundwater Semiannual Event #14

Wood Project Number: 6122160170.2003.****
Site: Ash Ponds 1&2 - Plant Mitchell, Georgia

Matrix: Groundwater

Pace SDG Nos: 92499073

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the Semiannual Event #14 (October 2020) 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 USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), 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. 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.
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. Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

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Qualifier Unusable Data

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 Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly, Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6020B, SW7470A, EPA 300.0, SW9315, and SW9320.

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 (boron, calcium, antimony, arsenic, barium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Method 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. 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 92499068 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:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
PZ-2D	10/06/20	II	PZ-19	10/07/20	II
PZ-32	10/06/20	II	PZ-17	10/07/20	II
PZ-1D	10/06/20	II	PZ-18	10/07/20	II
PZ-31	10/06/20	II	PZ-33	10/07/20	II
PZ-14	10/06/20	II	QC Samples		
PZ-23A	10/06/20	II	EB-01	10/06/20	II
PZ-16	10/06/20	II	FB-01	10/06/20	II
PZ-25	10/07/20	II	FD-01	10/07/20	II
PZ-7D	10/07/20	II	FD-02	10/07/20	II
PZ-15	10/07/20	II			

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These samples were collected from Ash Ponds 1 and 2 on October 6 and 7, 2020. Sample DUP-01 is a field duplicate of PZ-19, and DUP-02 is a field duplicate of PZ-25. The field QC blanks include samples FB-01 (a field blank sample) and EB-01 (an equipment blank). The EB-01 is associated with well PZ-2D.

The analytical results for the metals, mercury, anions, and radium 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), 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 for metals except for method blank and equipment blank contamination.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

One of the laboratory method blanks associated with the samples analyzed within this SDG contained Sb between the method detection limit (MDL) and the reporting limit (RL) (0.0004J mg/L). Results less than five times the method blank value were considered "not detected" as possible laboratory artifacts: **Reason Code: BL**

Action: The Sb results for samples PZ-1D and PZ-32 were qualified as not detected and flagged "U*".

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-2D, PZ-32, and PZ-17, 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

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. DUP-01 is associated with monitoring well PZ-19, and DUP-02 is associated with monitoring well PZ-25. Acceptable duplicate precision was achieved, and no qualification of the parent or duplicate samples was required.

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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 the samples reported in this SDG and reported no contamination for metals. Sample EB-01 is the associated equipment blank with well PZ-2D and contained Sb, Ba, and B at concentrations between the MDL and RL. Results less than five times the field and/or equipment blank are considered "not detected" as a possible field artifact. **Reason Code: BE**:

Action: The Sb, Ba, and B results for sample PZ-2D were qualified as not detected due to possible equipment blank contamination and flagged " U^* ".

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method 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 blank associated with the samples analyzed within this SDG 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-23A, and the recoveries and RPD were within QC limits.

Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

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Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. DUP-01 is associated with monitoring well PZ-19, and DUP-02 is associated with monitoring well PZ-25. Acceptable duplicate precision was achieved, and no qualification of the parent samples was required.

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; however, there were none reported 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.

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)

An MS/MSD analysis was performed on sample PZ-16 and the percent recoveries and RPDs were within QC limits.

Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. DUP-01 is associated with monitoring well PZ-19, and DUP-02 is associated with monitoring well PZ-25. Acceptable duplicate precision was achieved, and no qualification of the parent samples was required.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Anions were not detected in the equipment blank or the field blank.

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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.

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

Batch precision for TDS was measured through the analysis of laboratory duplicates. The laboratory analyzed sample PZ-14 and PZ-19 in duplicate, and the RPD was within QC limits indicating good analytical precision.

Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. DUP-01 is associated with monitoring well PZ-19 and DUP-02 is associated with monitoring well PZ-25. Acceptable duplicate precision was achieved, and no qualification of the associated samples was required.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

TDS was not detected in the equipment blank or the field blank.

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.

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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.

USEPA, 2014. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: <u>JAH 10/22/2020</u> Checked By/Date: <u>DWK 10/27/2020</u>

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TABLE 1 SUMMARY OF DATA QUALIFIERS

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Data Validation Narrative – SDG 92499073 Plant Mitchell Ash Ponds 1 and 2 Wood Project No. 6122160170

TABLE 1 SUMMARY OF DATA QUALIFIERS SAMPLE DELIVERY GROUP 92499073

SAMPLING DATES: October 6 and 7, 2020
Plant Mitchell Ash Ponds 1 and 2

Field Sample ID	Location ID	Туре	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
PZ-2D-080620	PZ-2D	N	92499073	6020B	antimony	0.0013	J	U*	BE	mg/L
PZ-2D-080620	PZ-2D	N	92499073	6020B	barium	0.0039	J	U*	BE	mg/L
PZ-2D-080620	PZ-2D	N	92499073	6020B	boron	0.018	J	U*	BE	mg/L
PZ-1D-080620	PZ-1D	N	92499073	6020B	antimony	0.0021	J, B	U*	BL	mg/L
PZ-31-080620	PZ-31	N	92499073	6020B	antimony	0.00045	J, B	U*	BL	mg/L

Notes:

Results qualified "J" due to detections between the MDL and RL are not included on this table unless overridden by othe DQE qualifiers.

Laboratory Qualifiers:

- B = Analyte was detected in the associated method blank.
- 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 "not-detected".

BL = Laboratory blank contamination. The result should be considered "not-detected".

Validation Qualifiers:

U* = This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: <u>JAH 10/22/20</u> Checked by/Date: <u>DWK 10/27/20</u>



DQE CHECKLISTS

SDG Nos: 92499073 Page 9 of 14



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 14

Project No: 6122160170.2003.****

Method: Metals by SW6010D/SW6020B

Laboratory and Lot: Pace SDG: 92499073 (Pace – Peachtree Corners, GA)

Reviewer/Date: J. Hartness 10/2/2020 Senior Reviewer/Date: D. Knaub 10/27/20

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 (HNO₃ to pH<2; 6°C±2)

6.0 °C. OK

Holding times met (180 days)

OK

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 30 SW6010D MB 3028970 (Ca only) = ND

p. 31 SW6010D MB 3030150 (Ca only) = ND

p. 32 SW6020B MB 3027387 = ND

p. 34 SW6020B MB 3030726 Sb = 0.0004 J x5 = 0.002 mg/L

Flag assoc. results "U*": PZ-1D, PZ-31

Reason Code: BL

p. 36 SW6020B MB 3032350 = ND

Field/Equipment Blanks:

EB-01 (associated with **PZ-2D** only)

Sb = 0.00048 J x5 = 0.0024 mg/L - Flag assoc. results "U*"

Ba = 0.00079 J x5 = 0.00395 mg/L - Flag assoc. results "U*"

B = 0.0087 J x5 = 0.0435 mg/L - Flag assoc. results "U*"

Reason Code: BL

FB-01 = ND (associated with all samples)

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 30 SW6010D LCS 3028971 - Ca = 99% OK

p. 31 SW6010D LCS 3030151 - Ca = 96% OK

p. 32 SW6020B LCS 3027388 - All OK

p. 34 SW6020B LCS 3030727 – All OK

p. 36 SW6020B LCS 3032351 - All OK

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Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-19) = Du	p-01
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Constituent	Parent Conc (mg/L)	Dup Conc (mg/L)	RPD/Diff & RL
Ca	144	138	4.2
Ва	0.054	0.053	1.9
В	0.52	0.55	5.6
Pb	0.000042J	ND	0.00495 0.005
Li	0.013 J	0.014J	0.001 0.03
Мо	0.0019J	0.0019J	0 0.01
Se	0.0035J	0.0029J	0.0006 0.01
TI	0.0007J	0.00068J	0.00002 0.001
PZ-25	5 = Dup-02		
Constituent	Parent Conc (mg/L)	Dup (mg/L)	RPD/Diff & RL
Ca	84.2	85.7	1.8

<u>Constituent</u>	Parent Conc (mg/L)	Dup (mg/L)	RPD/Dif	f & RL
Ca	84.2	85.7	1.8	
Ва	0.11	0.11	0	
В	0.18	0.19	5.4	
Со	0.0014J	0.0014 J	0	0.005
Li	0.0063J	0.0062J	0.001	0.03
TI	0.00027J	0.00027J	0	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).

Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)

p. 30 SW6010D (Ca only) - Not a sample from this SDG

p. 31 SW6010D (Ca only) - Not samples from this SDG

p. 32-33 SW6020B **PZ-2D** - All %rec and RPDs OK

p. 34-35 SW6020B **PZ-32** - All %rec and RPDs OK

p. 36-37 SW6020B **PZ-17** - All %rec and RPDs OK

X 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 (18 samples total)

No samples in this SDG required a dilution.

SDG Nos: 92499073 Page 11 of 14



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 14

Project No: 6122160170.2003.**** **Method:** Hg by SW7470A

X

Laboratory and Lot: Pace SDG: 92499073 (Pace – Peachtree Corners, GA)

Reviewer/Date: J. Hartness 10/22/2020 Senior Reviewer/Date: D. Knaub 10/27/20

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 (HNO₃ to pH<2; 6°C±2)

6.0°C. OK

Holding times met (Hg = 28 days)

OK

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 38 MB 3026513 Hg = ND p. 39 MB 3030665 Hg = ND

Field/Equipment Blanks:

EB-01 Hg = ND (associated with PZ-2D only)

FB-01 Hq = ND

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 38 LCS 3026514 Hg = 103% OK p. 39 LCS 3030666 Hg = 99% OK

Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-19 = Dup-01

<u>Constituent</u> Parent Conc (mg/L) <u>Dup Conc (mg/L)</u> <u>RPD/Diff & RL</u>

Hg ND ND NA

PZ-25 = Dup-02

<u>Constituent</u> Parent Conc (mg/L) <u>Dup (mg/L)</u> <u>RPD/Diff & RL</u>

Hg ND ND NA

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 (if applicable: 75-125%, RPD 20)

p. 38 - not a project sample from this SDG

p. 39 - not a project sample from this SDG

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 (18 samples total)

SDG Nos: 92499073 Page 12 of 14



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 14

Project No: 6122160170.2003.****

X

Method: Anions (chloride, fluoride, sulfate) by EPA 300

Laboratory and Lot: Pace SDG: 92499073 (Pace – Asheville, NC)

Reviewer/Date: J. Hartness 10/22/2020 Senior Reviewer/Date: D. Knaub 10/27/20

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)

6.0°C. OK

Holding times met (F -28 days)

OK

QC Blanks Review - Any detections above RL?

Method Blanks:

p. 42 MB 3028427 = ND p. 43 MB 3030077 = ND p. 44 MB 3030083 = ND p. 45 MB 3031544 = ND

<u>Field/Equipment Blanks</u>: EB-01 = ND; FB-01 = ND

Laboratory Control Sample (LCS) recovery within lab limits (90-110%)

p. 42 LCS 3028428 = All OK p. 44 LCS 3030084 = All OK p. 45 LCS 3031545 = All OK

Lab Duplicate - Field Duplicate precision goals met (20%)

PZ-19 = Dup-01

Constituent Parent Conc (mg/L) Dup Conc (mg/L) RPD/Diff & RL chloride 4.5 4.5 fluoride 0.064J 0.062J 0.002 0.1 sulfate 83.3 84 0.84

PZ-25 = Dup-02

 Constituent
 Parent Conc (mg/L)
 Dup Conc (mg/L)
 RPD/Diff & RL

 chloride
 1.8
 0

 fluoride
 0.13
 0.14
 7.4

 sulfate
 38.1
 38.3
 0.52

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. 42 Not samples from this SDG

p. 43 Not samples from this SDG

p. 44 **PZ-16** - % rec and RPDs OK

p. 45 Not samples from this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Checked each sample in this SDG, all OK (18 samples total)

SDG Nos: 92499073 Page 13 of 14



Project: Plant Mitchell CCR Semiannual Event 14

Project No: <u>6122160170.2003.****</u> **Method:** <u>TDS by SM2540C</u>

Χ

Laboratory and Lot: Pace SDG: 92499073 (Pace – Peachtree Corners, GA)

Reviewer/Date: J. Hartness 10/22/2020 Senior Reviewer/Date: D. Knaub 10/27/20

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 (HNO₃ to pH<2; 6°C±2)

6.0°C. OK

Holding times met (TDS = 7 days)

ОК

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 40 MB 3025332= ND p. 41 MB 3029110 = ND

Field/Equipment Blanks:

EB-01 = ND (associated with PZ-2D only)

FB-01 = ND

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 40 LCS 3025333 TDS = 85% OK p. 41 LCS 3029111 TDS = 106% OK

Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-19 = Dup-01

 Constituent
 Parent Conc (mg/L)
 Dup Conc (mg/L)
 RPD/Diff & RL

 TDS
 492
 496
 0.8

PZ-25 = Dup-02

<u>Constituent</u> Parent Conc (mg/L) <u>Dup (mg/L)</u> <u>RPD/Diff & RL</u>

TDS 280 288 2.1

Lab Duplicates:

p. 40 **PZ-14** – RPD OK

p. 41 **PZ-19** – RPD OK

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 each sample in this SDG, all OK (18 samples total)

No samples in this SDG required a dilution.

SDG Nos: 92499073 Page 14 of 14



Data Evaluation Narrative

Project: Plant Mitchell CCR Groundwater Semiannual Event #14

Wood Project Number: 6122160170.2003.****
Site: Ash Ponds 1&2 - Plant Mitchell, Georgia

Matrix: Groundwater

Pace SDG Nos: 92499068

Introduction

A data quality evaluation (DQE) was performed on the radium data reported for the Semiannual Event #14 (October 2020) 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 USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), 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. 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.
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. Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

SDG Nos: 92499068 Page 1 of 8



Qualifier Unusable Data

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 Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly, Amec Foster Wheeler) 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 92499073. 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:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
PZ-2D	10/06/20	II	PZ-19	10/07/20	II
PZ-32	10/06/20	II	PZ-17	10/07/20	II
PZ-1D	10/06/20	II	PZ-18	10/07/20	II
PZ-31	10/06/20	II	PZ-33	10/07/20	II
PZ-14	10/06/20	II	QC Samples		
PZ-23A	10/06/20	II	EB-01	10/06/20	II
PZ-16	10/06/20	II	FB-01	10/06/20	II
PZ-25	10/07/20	II	FD-01	10/07/20	II
PZ-7D	10/07/20	II	FD-02	10/07/20	II
PZ-15	10/07/20	II			

These samples were collected from Ash Ponds 1 and 2 on October 6 and 7, 2020. Sample DUP-01 is a field duplicate of PZ-19, and DUP-02 is a field duplicate of PZ-25. The field QC blanks include the following; FB-01, a field blank sample, and EB-01, an equipment blank associated with well PZ-2D.

SDG Nos: 92499068 Page 2 of 8



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 equipment blank contamination and laboratory duplicate precision.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

The laboratory method blanks did not contain reportable concentrations of Ra-226 or Ra-228 above the MDC.

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 for Ra-226 in sample PZ-17 and Ra-228 in PZ-33, and the RPDs were above the QC limit.

Action: The Ra-226 and total radium results for sample PZ-17 were qualified as estimated and flagged "J". No qualification was necessary for PZ-33 because the associated result was less than the MDC.

Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Sample DUP-01 is associated with monitoring well PZ-19, and DUP-02 is associated with monitoring well PZ-25. Acceptable duplicate precision was achieved, and no qualification of the associated results was required.

Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The field blank sample FB-01 contained both Ra-226 and Ra-228 but activity counts were below the MDC indicating that Ra-226 and Ra-228 did not contribute to the results. Equipment blank sample EB-01 reported Ra-228 and total radium above the MDCs, and associated results less than 5x the blank value are considered non-detect.

Action: No qualification was necessary because Ra-228 and total radium were below the MDCs in the associated sample.

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Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries for the samples and QC were within the QC limit of 30% to 110%.

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.

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.

USEPA, 2014. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: <u>DWK 11/09/2020</u> Checked By/Date: JAH 11/10/2020

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TABLE 1 SUMMARY OF DATA QUALIFIERS

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TABLE 1 SUMMARY OF DATA QUALIFIERS SAMPLE DELIVERY GROUP 92499068

SAMPLING DATES: October 6 and 7, 2020 Plant Mitchell Ash Ponds 1 and 2

Field Sample ID	Location ID	Туре	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
PZ-17-100720	PZ-17	N	92499068	9315	Radium-226	0.374		J	LD	pCi/L
PZ-17-100720	PZ-17	N	92499068	Calculattion	Total Radium	<1.02	U	UJ	LD	pCi/L

Notes:

Laboratory Qualifiers:

B = Analyte was detected in the associated method blank.

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

D6 = The precision between the sample and the sample duplicate exceeded laboratory control limits.

E = Analyte concentration exceeded the calibration range. The reported result is estimated.

M6 = Matrix spike and matrix duplicate recovery not evaluated against control limits due to sample dilution.

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.

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.

Prepared by/Date: <u>DWK 11/09/20</u> Checked by/Date: <u>JAH 11/10/20</u>

October 2020



DQE CHECKLISTS

SDG Nos: 92499068 Page 6 of 8



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 14

Project No: <u>6122160170.2003.****</u>

Method: Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320

Laboratory and Lot: Pace SDG: 92499068 (Pace-Greensburg, PA)

Reviewer/Date: D. Knaub 11/09/2020 Senior Reviewer/Date: J. Hartness 11/10/2020

<u>YES</u>	<u>NO</u>	<u>NA</u>				<u>COMMENTS</u>		
X				and COC Completeness ve is included with Level		rom Pace.		
X			Sample Preserv	vation and cooler temp	erature met (HN	NO₃ to pH<2)		
X			Holding times OK	met (180 days)				
			p. 29 Ra-226 (20 p. 30 Ra-228 (20 p. 31 Ra-226 (20 p. 32 Ra-228 (20 p. 33 Ra-226 (20 Field/Equipmen p. 11 EB-01 (ass Ra-228 tot. Ra		MDC MDC MDC MDC MDC			
			Laboratory Control Sample (LCS) recovery within lab limits (Ra-226=75-125%, Ra-228=60-135%; RPD = RER (2σ) < 3) p. 40-41 LCS 56677 Ra-226 = 85.91% p. 42 LCS/LCSD 56679 Ra-226 = 83.67, 98.65% RPD = 16.34 p. 43-44 LCS/LCSD 56785 Ra-226 = 89.12, 85.99% RPD = 3.58 p. 45 LCS/LCSD 56682 Ra-228 = 101.86, 128.20% RPD = 22.9 p. 46 LCS 56787 Ra-228 = 86.38%					
			-	- Field Duplicate precisi les (RPD = RER (2σ) < 3) PZ-19 (pCi/L) 0.517 <mdc 0.893</mdc 	on goals met (la <u>FD-01 (pCi/L)</u> 0.595 < MDC 1.09	RPD 14.0 NC 19.9		

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<u>YES</u>	<u>NO</u>	<u>NA</u>				<u>COMMENTS</u>					
	X		Lab Duplicate	- Field Duplicat	e (cont.)						
	_		Constituent	PZ-25 (pCi/L)	FD-02 (pCi/L)	<u>RPD</u>					
			Ra-226	0.439	0.376	15.5					
			Ra-228	<mdc< td=""><td><mdc< td=""><td>NC</td></mdc<></td></mdc<>	<mdc< td=""><td>NC</td></mdc<>	NC					
			tot. radium	< MDC	<mdc< td=""><td>NC</td></mdc<>	NC					
			p. 40 Lab dup – Not a sample from this SDG RPD =11.23 p. 41 Lab dup – Not a sample from this SDG RPD =20.61 p. 44 Lab dup – PZ-17 Ra-226 RPD = 26.54% <i>Flag assoc. result "J"</i> p. 46 Lab dup – PZ-33 Ra-228 RPD = 219.02% <i>No flag, results</i> < <i>MDC</i>								
			-	ecoveries and R performs MS/M		ts (if applicable) vater samples					
				Yield Recovery r Ba, Tracer: Y)		: Ва);					
X			EDD Data Veri	fication vs. Hare	dcopy (10% san	nples for each SDG).					

Checked each sample in this SDG, all OK (18 samples total)

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Data Evaluation Narrative

Project: Plant Mitchell CCR Groundwater Semiannual Event #15

Wood Project Number: 6122160170.2103.****
Site: Ash Ponds 1&2 - Plant Mitchell, Georgia

Matrix: Groundwater

Pace SDG Nos: 92525919

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the Semiannual Event #15 (March 2021) 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 USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), as guidance, and professional judgment using the following qualifiers:

<u>Qualifier</u> J	Usable Data 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. 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.
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. Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

SDG Nos: 92525919 Page 1 of 14



Qualifier Unusable Data

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 Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly, Amec Foster Wheeler) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6010D, SW6020B, SW7470A, EPA 300.0, SW9315, and SW9320.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for *detected* Appendix III and Appendix IV metals (boron, calcium, antimony, arsenic, barium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Method 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.

Arsenic, beryllium, and cadmium were not analyzed in March 2021 because they were not detected in the August 2020 assessment constituent screening scan event. The anions were analyzed by Pace-Asheville, North Carolina. 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 92525908 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:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
PZ-32	03/03/21	II	PZ-17	03/04/21	П
PZ-14	03/03/21	II	PZ-18	03/04/21	II
PZ-32A	03/03/21	II	PZ-16	03/04/21	II
PZ-1D	03/03/21	II	PZ-33	03/04/21	II
PZ-31	03/03/21	II	PZ-15	03/04/21	II
PZ-25	03/03/21	II	PZ-7D	03/04/21	II
PZ-19	03/03/21	II	PZ-2D	03/08/21	II

SDG Nos: 92525919 Page 2 of 14



Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
QC Samples					
EB-1	03/03/21	II	DUP-1	03/03/21	II
FB-1	03/04/21	II	DUP-2	03/03/21	II

These samples were collected from Ash Ponds 1 and 2 on March 3, 4, and 8, 2021. Sample DUP-1 is a field duplicate of PZ-25, and DUP-2 is a field duplicate of PZ-23A. The field QC blanks include samples FB-1 (a field blank sample) and EB-1 (an equipment blank). The EB-1 is associated with well PZ-2D.

The analytical results for the metals, mercury, anions, and radium 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 detected 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), 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 for metals except for method blank contamination.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

One of the laboratory method blanks associated with the samples analyzed within this SDG contained Sb between the method detection limit (MDL) and the reporting limit (RL) (0.0003J mg/L). Results less than five times the method blank value were considered "not detected" as possible laboratory artifacts: **Reason Code: BL**

Action: The Sb results for samples PZ-23A, DUP-2, EB-1, PZ-1D, PZ-17, and PZ-2D were qualified as not detected and flagged "U*".

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-14, and the recoveries and RPDs were within QC limits with one exception. The MS/MSD recoveries for Ca in sample PZ-32 were outside of the laboratory limits. No qualification is required if the sample was analyzed at a dilution, the recovery was high and the sample was not detected, or if the sample result is greater than 4 times the spiked concentration.

Action: No qualification was required because the sample concentration was greater than 4x the spike amount potentially masking the spike.

SDG Nos: 92525919 Page 3 of 14



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 as previously described. Acceptable duplicate precision was achieved, and no qualification of the parent or duplicate samples was required.

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-1 is a field blank and is associated with the samples reported in this SDG and reported no contamination for metals. Sample EB-1 is the associated equipment blank with well PZ-2D and contained Sb, at a concentration between the MDL and RL, however the result was qualified for method blank criteria and flagged "U*". No additional qualification was necessary.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method 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 blank associated with the samples analyzed within this SDG contained no reportable detections of mercury.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

SDG Nos: 92525919 Page 4 of 14



Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on sample PZ-18, and the recoveries and RPD were within QC limits.

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, as previously described. Acceptable duplicate precision was achieved, and no qualification of the parent samples was required.

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; however, there were none reported 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.

SDG Nos: 92525919 Page 5 of 14



Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on sample DUP-1 and the recoveries and RPDs were within QC limits except for high recoveries for sulfate. **Reason Code: M+**

Action: The sulfate results for samples DUP-1 and parent sample PZ-25 were qualified as estimated, with a possible high bias and flagged "J".

Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event, as previously described. Acceptable duplicate precision was achieved, and no qualification of the parent samples was required.

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.

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

Batch precision for TDS was measured through the analysis of laboratory duplicates. The laboratory analyzed sample PZ-25 in duplicate, and the RPD was within QC limits indicating good analytical precision.

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Field Duplicate Precision

Two blind field duplicate samples were collected and submitted to the laboratory for this sampling event, as previously described. Acceptable duplicate precision was achieved, and no qualification of the associated samples was required.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

TDS was not detected in the equipment blank or the field blank.

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.

USEPA, 2014. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: <u>DWK 03/23/21</u> Checked By/Date: <u>JAH 03/24/21</u>

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TABLE 1 SUMMARY OF DATA QUALIFIERS

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TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92525919
SAMPLING DATES: March 3, 4, and 8, 2021
Plant Mitchell Ash Ponds 1 and 2

Field Commission	l a sadion ID		CDC	BA sales al	B	Lab Bassile	Lab Cast	V-1 01	Dansau Cadaa	1124
Field Sample ID	Location ID	Туре	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
PZ-1D-0321	PZ-1D	N	92525919	SW6020B	Antimony	0.00093	J, B	U*	BL	mg/L
PZ-1D-0321	PZ-1D	N	92525919	SW6020B	Boron	0.01	J	J		mg/L
PZ-1D-0321	PZ-1D	N	92525919	SW6020B	Chromium	0.0018	J	J		mg/L
PZ-1D-0321	PZ-1D	N	92525919	SW6020B	Lead	0.000055	J	J		mg/L
PZ-1D-0321	PZ-1D	N	92525919	SW6020B	Molybdenum	0.00076	J	J		mg/L
PZ-2D-0321	PZ-2D	N	92525919	SW6020B	Antimony	0.0003	J, B	U*	BL	mg/L
PZ-2D-0321	PZ-2D	N	92525919	SW6020B	Boron	0.013	J	J		mg/L
PZ-2D-0321	PZ-2D	N	92525919	SW6020B	Chromium	0.0028	J	J		mg/L
PZ-2D-0321	PZ-2D	N	92525919	SW6020B	Lead	0.000062	J	J		mg/L
PZ-2D-0321	PZ-2D	N	92525919	SW6020B	Lithium	0.0019	J	J		mg/L
PZ-7D-0321	PZ-7D	N	92525919	SW6020B	Chromium	0.0024	J	J		mg/L
PZ-7D-0321	PZ-7D	N	92525919	SW6020B	Lead	0.000041	J	J		mg/L
PZ-7D-0321	PZ-7D	N	92525919	SW6020B	Lithium	0.0031	J	J		mg/L
PZ-7D-0321	PZ-7D	N	92525919	SW6020B	Selenium	0.0018	J	J		mg/L
PZ-14-0321	PZ-14	N	92525919	SW6020B	Boron	0.028	J	J		mg/L
PZ-14-0321	PZ-14	N	92525919	SW6020B	Chromium	0.00097	J	J		mg/L
PZ-15-0321	PZ-15	N	92525919	SW6020B	Lithium	0.0014	J	J		mg/L
PZ-15-0321	PZ-15	N	92525919	SW6020B	Thallium	0.00022	J	J		mg/L
PZ-16-0321	PZ-16	N	92525919	SW6020B	Chromium	0.0012	J	J		mg/L
PZ-17-0321	PZ-17	N	92525919	SW6020B	Antimony	0.00055	J, B	U*	BL	mg/L
PZ-17-0321	PZ-17	N	92525919	SW6020B	Lithium	0.002	J	J		mg/L
PZ-17-0321	PZ-17	N	92525919	SW6020B	Thallium	0.00039	J	J		mg/L
PZ-18-0321	PZ-18	N	92525919	SW6020B	Lithium	0.0029	J	J		mg/L
PZ-19-0321	PZ-19	N	92525919	E300.0	Fluoride	0.058	J	J		mg/L
PZ-19-0321	PZ-19	N	92525919	SW6020B	Lithium	0.015	J	J		mg/L
PZ-19-0321	PZ-19	N	92525919	SW6020B	Molybdenum	0.0021	J	J		mg/L
PZ-19-0321	PZ-19	N	92525919	SW6020B	Selenium	0.0033	J	J		mg/L
PZ-19-0321	PZ-19	N	92525919	SW6020B	Thallium	0.00072	J	J		mg/L
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Antimony	0.0017	J, B	U*	BL	mg/L
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Chromium	0.0015	J	J		mg/L

TABLE 1 SUMMARY OF DATA QUALIFIERS SAMPLE DELIVERY GROUP 92525919 SAMPLING DATES: March 3, 4, and 8, 2021

Plant Mitchell Ash Ponds 1 and 2

Field Sample ID	Location ID	Туре	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Cobalt	0.00049	J	J		mg/L
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Lead	0.000058	J	J		mg/L
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Lithium	0.001	J	J		mg/L
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Selenium	0.0025	J	J		mg/L
PZ-23A-0321	PZ-23A	N	92525919	SW6020B	Thallium	0.00017	J	J		mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Antimony	0.00057	J, B	U*	BL	mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Chromium	0.0015	J	J		mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Cobalt	0.0005	J	J		mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Lead	0.00012	J	J		mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Lithium	0.0011	J	J		mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Selenium	0.0024	J	J		mg/L
DUP-2-0321	PZ-23A	FD	92525919	SW6020B	Thallium	0.00015	J	J		mg/L
EB-1-0321	Equipment Blank	N	92525919	SW6020B	Antimony	0.00032	J, B	U*	BL	mg/L
PZ-25-0321	PZ-25	N	92525919	E300.0	Sulfate	39.2		J	PJ, M+	mg/L
PZ-25-0321	PZ-25	N	92525919	SW6020B	Cobalt	0.0016	J	J		mg/L
PZ-25-0321	PZ-25	N	92525919	SW6020B	Lithium	0.0061	J	J		mg/L
PZ-25-0321	PZ-25	N	92525919	SW6020B	Thallium	0.00036	J	J		mg/L
DUP-1-0321	PZ-25	FD	92525919	E300.0	Sulfate	39.2	M1	J	M+	mg/L
DUP-1-0321	PZ-25	FD	92525919	SW6020B	Cobalt	0.0016	J	J		mg/L
DUP-1-0321	PZ-25	FD	92525919	SW6020B	Lithium	0.0061	J	J		mg/L
DUP-1-0321	PZ-25	FD	92525919	SW6020B	Thallium	0.00036	J	J		mg/L
PZ-31-0321	PZ-31	N	92525919	E300.0	Sulfate	0.6	J	J		mg/L
PZ-31-0321	PZ-31	N	92525919	SW6020B	Boron	0.0087	J	J		mg/L
PZ-31-0321	PZ-31	N	92525919	SW6020B	Chromium	0.0015	J	J		mg/L
PZ-32-0321	PZ-32	N	92525919	SW6020B	Boron	0.022	J	J		mg/L

Notes:

Laboratory Qualifiers:

B = Analyte was detected in the associated method blank.

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

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

TABLE 1 SUMMARY OF DATA QUALIFIERS SAMPLE DELIVERY GROUP 92525919

SAMPLING DATES: March 3, 4, and 8, 2021

Plant Mitchell Ash Ponds 1 and 2

Field Sample ID	Location ID	Туре	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units

Reason Codes:

BL = Laboratory blank contamination. The result should be considered "not-detected".

BN = Negative laboratory blank contamination.

M+ = MS and MSD recoveries outside acceptance limits. The result may be biased high.

PJ = Professional judgment

-- = No Reason Code assigned for values detected between the method detection limit (MDL) and the reporting limit (RL);estimated quantitation.

Validation Qualifiers:

 $J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of <math>U^* = This$ analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Prepared by/Date: <u>DWK 03/23/21</u> Checked by/Date: <u>JAH 03/24/21</u>



DQE CHECKLISTS

SDG Nos: 92525919 Page 9 of 14



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 15

Project No: 6122160170.2103.****

Method: Metals by SW6010D/SW6020B

Laboratory and Lot: Pace SDG: 92525919 (Pace – Peachtree Corners, GA) **Reviewer/Date:** D. Knaub 03/23/21 **Senior Reviewer/Date:** JAH 03/23/21

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 (HNO₃ to pH<2; 6°C±2)

4.1 °C. OK

Holding times met (180 days)

OK

X

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 30 SW6010D MB 3193025 (Ca only) = ND

p. 31 SW6020B MB 3193041 Sb = 0.0003 J x5 = 0.0015 mg/L

Flag assoc. results "U*": PZ-23A, DUP-2, EB-1, PZ-1D, PZ-17, PZ-2D

Reason Code: BL

Field/Equipment Blanks:

EB-1 (associated with PZ-2D only)

 $Sb = \langle 0.00032 \ U^* \ Flagged for MB, no additional flags.$

FB-1 = ND (associated with all samples)

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 30 SW6010D LCS 3193026 - Ca = 105% OK

p. 31 SW6020B LCS 3193042 – All OK

Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-25 = Dup-1

	•				
<u>Constituent</u>	Parent Conc (mg/L)	Dup Conc (mg/L)	RPD/Diff & RL		
Ca	96.8	90.9	6.3		
Ва	0.12	0.12	0.0		
В	0.2	0.2	0.0		
Co	0.0016 J	0.0016 J	0	0.005	
Li	0.0061 J	0.0061J	0	0.03	
TI	0.00036J	0.00036J	0	0.001	

SDG Nos: 92525919 Page 10 of 14



PZ-23A = Dup-2

Constituent	Parent Conc (mg/L)	Dup (mg/L)	RPD/Diff & RL
Ca	154	153	0.65
Ва	0.039	0.039	0
В	0.16	0.17	5.9
Cr	0.0015 J	0.0015 J	0
Co	0.00049J	0.0005 J	0.00001 0.005
Pb	0.000058 J	0.00012 J	0.000062 0.001
Li	0.001J	0.0011J	0.0001 0.03
Se	0.0025 J	0.0024 J	0.0001 0.005
TI	0.00017J	0.00015J	0.00002 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).



Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)

p. 30 SW6010D (Ca only) – **PZ-32** Ca = 340, 143% RPD = 3 No flag necessary, parent result > 4x spike

p. 31-32 SW6020B **PZ-14** - All %rec and RPDs OK



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 (18 samples total)

No samples in this SDG required a dilution.

SDG Nos: 92525919 Page 11 of 14



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 15

Project No: 6122160170.2103.****

Method: <u>Hg by SW7470A</u>

Χ

Laboratory and Lot: <u>Pace SDG: 92525919 (Pace – Peachtree Corners, GA)</u>
Reviewer/Date: <u>D. Knaub 03/23/21</u>
Senior Reviewer/Date: <u>JAH 03/23/21</u>

YES NO NA COMMENTS

No samples in this SDG required a dilution.

X Case Narrative and COC Completeness Review

No case narrative is included with Level II data package from Pace.

Sample Preservation and cooler temperature met (HNO₃ to pH<2; 6°C±2)

4.1°C. OK

Holding times met (Hg = 28 days)

OK

QC Blanks Review – any MB results above RL?

Method Blanks:

p. 33 MB 3185623 Hg = ND p. 34 MB 3190111 Hg = ND p. 35 MB 3197255 Hg = ND

Field/Equipment Blanks:

EB-1 Hq = ND (associated with PZ-2D only) FB-1 Hq = ND

Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg

= 80-120%)

p. 33 LCS 3185624 Hg = 109% OK p. 34 LCS 3190112 Hg = 97% OK

p. 35 LCS 3197256 Hg = 96% OK

Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

PZ-25 = Dup-1

Both samples ND for Hg - OK

PZ-23A = Dup-2

Both samples ND for Hg - OK

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 (if applicable: 75-125%, RPD 20)

p. 33 - not a project sample from this SDG p. 34- not a project sample from this SDG

p. 35 **PZ-18** Hg = 95, 99% RPD = 4 OK

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 (18 samples total)

SDG Nos: 92525919 Page 12 of 14



LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 15

Project No: 6122160170.2103.****

X

X

Method: Anions (chloride, fluoride, sulfate) by EPA 300

Laboratory and Lot: Pace SDG: 92525919 (Pace – Peachtree Corners, GA) **Reviewer/Date:** D. Knaub 03/23/21 Senior Reviewer/Date: JAH 03/24/21

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)

4.1°C. OK

Holding times met (F –28 days)

OK

QC Blanks Review – Any detections above RL?

Method Blanks:

p. 40 MB 3195134 = ND p. 42 MB 3195321 = ND p. 43 MB 3196222 = ND

<u>Field/Equipment Blanks</u>: EB-1 = ND; FB-1 = ND

Laboratory Control Sample (LCS) recovery within lab limits (90-110%)

p. 40 LCS 3195135 = All OK p. 42 LCS 3195322 = All OK p. 43 LCS 3196223 = All OK

Lab Duplicate - Field Duplicate precision goals met (20%)

PZ-25 = Dup-1

<u>Constituent</u> Parent Conc (mg/L) Dup Conc (mg/L) RPD/Diff & RL chloride 1.6 1.6 0 fluoride 0.12 0.12 0 sulfate 39.2 39.2 0

PZ-23A = Dup-2

 Constituent
 Parent Conc (mg/L)
 Dup Conc (mg/L)
 RPD/Diff & RL

 chloride
 4.7
 4.7
 0

 sulfate
 66
 66.5
 0.75

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. 40 **DUP-1** sulfate=112, 112% RPD=0 **Flag result "J" Reason Code: M+** and professional judgment to **flag parent sample** (PZ-25) **"J" Reason Code: PJ**

p. 41 Not samples from this SDG

p. 42 **PZ-16** - % rec and RPDs OKp. 43 Not samples from this SDG

EDD Data Verification vs. Hardcopy (10% samples for each SDG)

Checked each sample in this SDG, all OK (18 samples total)

SDG Nos: 92525919 Page 13 of 14



Project: Plant Mitchell CCR Semiannual Event 15

Project No: <u>6122160170.2103.****</u> **Method:** <u>TDS by SM2540C</u>

Laboratory and Lot: <u>Pace SDG: 92525919 (Pace – Peachtree Corners, GA)</u>
Reviewer/Date: <u>D. Knaub 03/23/21</u> Senior Reviewer/Date: <u>JAH 03/24/21</u>

Kevie	wer/Dat	te: <u>D. Kn</u>	aub 03/23/21	Senior Reviewer/L	Pate: <u>JAH 03/24/21</u>		
<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>COMMENTS</u>				
X			No case narra	ve and COC Comple itive is included with ervation and cooler	Level II data packag	e from Pace. (HNO₃ to pH<2; 6°C	C±2)
X			OK QC Blanks Re	es met (TDS = 7 day eview – any MB resu			
			p. 38 MB 3186 Field/Equipme	6276 = ND p 6921 = ND p	0. 37 MB 3186295 = 0. 39 MB 3189891 = 0. only)		
X			= 80-120%) p. 36 LCS 318	Control Sample (LCS 6277 = 96% OK p 6922 = 97% OK p	. 37 LCS 3186296 =		0%, Hg
X			-	e - Field Duplicate i = Dup-1	orecision goals me	(lab limits - 20%)	
			<u>Constituent</u> TDS	Parent Conc (mg/L) 267 SA = Dup-2	Dup Conc (mg 256	<u>/L) RPD/Diff 8</u> 4.2	<u>& RL</u>
			<u>Constituent</u> TDS	Parent Conc (mg/L) 444	<u>Dup (mg/L)</u> 434	RPD/Diff 8 2.3	<u>& RL</u>
			Lab Duplicat p. 37 PZ-25 –	es: (only project sam RPD = 6 OK	ples are listed)		
		X	Matrix Spike RPD 20) Not applicabl		Os within limits (if a	applicable: 75-125%	ó,
X				rification vs. Hardc			

SDG Nos: 92525919 Page 14 of 14

No samples in this SDG required a dilution.



Data Evaluation Narrative

Project: Plant Mitchell CCR Groundwater Semiannual Event #15

Wood Project Number: 6122160170.2103.****
Site: Ash Ponds 1&2 - Plant Mitchell, Georgia

Matrix: Groundwater

Pace SDG Nos: 92525908

Introduction

A data quality evaluation (DQE) was performed on the radium data reported for the Semiannual Event #15 (March 2021) 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 USEPA National Functional Guidelines for Inorganic Data Review (USEPA, 2014), 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. 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.
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. Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

SDG Nos: 92525908 Page 1 of 8



Qualifier Unusable Data

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 Wood Environment & Infrastructure Solutions, Inc. (Wood, formerly, Amec Foster Wheeler) 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 92525919. 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:

Sample ID	Sample Date	DQE Level	Sample ID	Sample Date	DQE Level
PZ-32	03/03/21	II	PZ-33	03/04/21	II
PZ-14	03/03/21	II	PZ-15	03/04/21	II
PZ-32A	03/03/21	II	PZ-7D	03/04/21	II
PZ-1D	03/03/21	II	PZ-2D	03/08/21	II
PZ-31	03/03/21	II			
PZ-25	03/03/21	II	QC Samples		
PZ-19	03/03/21	II	DUP-1	03/03/21	II
PZ-17	03/04/21	II	DUP-2	03/03/21	II
PZ-18	03/04/21	II	EB-1	03/03/21	II
PZ-16	03/04/21	II	FB-1	03/04/21	II

These samples were collected from Ash Ponds 1 and 2 on March 3, 4, and 8, 2021. Sample DUP-1 is a field duplicate of PZ-25, and DUP-2 is a field duplicate of PZ-23A. The field QC blanks include samples FB-1 (a field blank sample) and EB-1 (an equipment blank). The EB-01 is associated with well PZ-2D.

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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 equipment blank contamination and laboratory duplicate precision.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

The laboratory method blanks did not contain reportable concentrations of Ra-226 or Ra-228 above the MDC.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Laboratory Duplicate Precision

Laboratory duplicate analyses were not performed an any samples in this SDG, and the LCS duplicate RPDs were within QC limits.

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-25, and DUP-2 is associated with monitoring well PZ-23A. Acceptable duplicate precision was achieved, and no qualification of the associated results was required.

Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The field blank sample (FB-1) and equipment blank sample (EB-1) contained both Ra-226 and Ra-228 but activity counts were below the MDC indicating that Ra-226 and Ra-228 did not contribute to the results.

Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries for the samples and QC were within the QC limit of 30% to 110%.

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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.

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.

USEPA, 2014. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, Final, EPA-540-R-013-001, August 2014.

Prepared by/Date: <u>DWK 04/07/2021</u> Checked By/Date: <u>JAH 04/08/21</u>

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TABLE 1 SUMMARY OF DATA QUALIFIERS

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DQE CHECKLISTS

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LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 15

Project No: <u>6122160170.2103.****</u>

Method: Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320

Laboratory and Lot: Pace SDG: 92525908 (Pace-Greensburg, PA)

Reviewer/Date: D. Knaub 04/07/2021 Senior Reviewer/Date: J. Hartness 04/08/21

<u>YES</u>	<u>NO</u>	<u>NA</u>				<u>COMMENTS</u>	
			Case Narrative and COC Completeness Review No case narrative is included with Level II data package from Pace.				
X			Sample Preservation and cooler temperature met (HNO₃ to pH<2) 4.1 °C. OK				
X			Holding times met (180 days) OK				
			p. 29 Ra-226 (2° p. 30 Ra-228 (2° p. 31 Ra-226 (2°	iew (net blank value < No. 115335) = present but < 115671) = present but < 115665) = present but < No. 118824) = present but < No. 118824)	MDC MDC MDC		
			Field/Equipmen p. 15 EB-1 (asso p. 25 FB-1– pres	c. w/ PZ-2D) – present b	ut <mdc< td=""><td></td></mdc<>		
			(<i>Ra-226</i> p. 41-42 LCS/LC p. 42 LCS 59287 p. 43 LCS 59289 p. 44 LCS/LCSD p. 45 LCS/LCSD	ntrol Sample (LCS) reconstruction (LCS) reconstruct	135%; RPD = REI .82, 98.84% RER .105.27% RER = .36.70% RER = 0.4	R (2σ) < 3) = 0.756 0.541	
			Lab Duplicate	- Field Duplicate precisi les (RPD = RER (2σ) <3) PZ-25 (pCi/L) 0.518 <mdc <mdc< td=""><td></td><td></td></mdc<></mdc 			

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<u>YES</u>	<u>NO</u>	<u>NA</u>				<u>COMMENTS</u>	
YES X			Lab Duplicate - Field Duplicate (cont.)				
			Constituent	PZ-23A (pCi/L)	Dup-2 (pCi/L)	<u>RPD</u>	
			Ra-226	<mdc< td=""><td><mdc< td=""><td>NC</td></mdc<></td></mdc<>	<mdc< td=""><td>NC</td></mdc<>	NC	
			Ra-228	<mdc< td=""><td><mdc< td=""><td>NC</td></mdc<></td></mdc<>	<mdc< td=""><td>NC</td></mdc<>	NC	
			tot. radium	< MDC	<mdc< td=""><td>NC</td></mdc<>	NC	
			p. 42 Lab dup - p. 43 Lab dup -	- Not a sample from - Not a sample from O RPD = 6.75	this SDG RPD =2 this SDG RPD =4	<mark>29.70</mark> - no flags, non-project <mark>19.44</mark> - no flags, non-project	
X			Matrix Spike	recoveries and I	RPDs within lim	its (if applicable)	
_			-	ly performs MS/N		• •	
X			Carrier/Tracer Yield Recovery Ra-226 (Carrier: Ba); Ra-228 (Carrier Ba, Tracer: Y) (30-110%) All ok				
X			EDD Data Ve	rification vs. Hai	dcopy (10% sa	mples for each SDG).	

Checked each sample in this SDG, all OK (18 samples total)

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RPD for August and October 2020, and March 2021

Param	neter	Concentration 1	Concentration 2	
8/26/2020		PZ-25 (DUP-1)	PZ-25	RPD
0, 20, 2020	Barium	0.10	0.10	0%
8/26/2020	Darrann	PZ-23A (DUP-2)	PZ-23A	RPD
0,20,2020	Barium	0.037	0.039	5%
10/7/2020	Darram	PZ-19 (FD-01)	PZ-19	RPD
10/1/2020	Barium	0.053	0.054	2%
10/7/2020	Dariami	PZ-25 (FD-02)	PZ-25	RPD
10/1/2020	Barium	0.11	0.11	0%
3/3/2021	Dariami	PZ-25 (DUP-01)	PZ-25	RPD
3/3/2021	Barium	0.12	0.12	0%
3/3/2021	Danam	PZ-23A (DUP-02)	PZ-23A	RPD
3/3/2021	Barium	0.039	0.039	0%
10/7/2020	Darium	PZ-19 (FD-01)	PZ-19	RPD
10/1/2020	Boron	0.55	0.52	6%
10/7/2020	ВОГОП	PZ-25 (FD-02)	PZ-25	RPD
10/1/2020	Boron	0.19	0.18	5%
3/3/2021	БОГОП	PZ-25 (DUP-01)	PZ-25	RPD
3/3/2021	Davas	` ,	0.2	0%
2 /2 /2021	Boron	0.20	PZ-23A	
3/3/2021	D	PZ-23A (DUP-02)		RPD
10/7/2020	Boron	0.17	0.16	6%
10/7/2020	C 1 :	PZ-19 (FD-01)	PZ-19	RPD
10.77.0000	Calcium	138	144	4%
10/7/2020		PZ-25 (FD-02)	PZ-25	RPD
	Calcium	85.7	84.2	2%
3/3/2021		PZ-25 (DUP-01)	PZ-25	RPD
	Calcium	90.9	96.8	6%
3/3/2021		PZ-23A (DUP-02)	PZ-23A	RPD
	Calcium	153	154	1%
10/7/2020		PZ-19 (FD-01)	PZ-19	RPD
	Chloride	4.5	4.5	0%
10/7/2020		PZ-25 (FD-02)	PZ-25	RPD
	Chloride	1.8	1.8	0%
3/3/2021		PZ-25 (DUP-01)	PZ-25	RPD
	Chloride	1.6	1.6	0%
3/3/2021		PZ-23A (DUP-02)	PZ-23A	RPD
	Chloride	4.7	4.7	0%
8/26/2020		PZ-25 (DUP-1)	PZ-25	RPD
	Fluoride	0.14	0.14	0%
10/7/2020		PZ-25 (FD-02)	PZ-25	RPD
	Fluoride	0.14	0.13	7%
3/3/2021		PZ-25 (DUP-01)	PZ-25	RPD
	Fluoride	0.12	0.12	0%
10/7/2020		PZ-19 (FD-01)	PZ-19	RPD
	Radium	1.09	0.893	20%
10/7/2020		PZ-19 (FD-01)	PZ-19	RPD
	Sulfate	84.0	83.3	1%
10/7/2020		PZ-25 (FD-02)	PZ-25	RPD
	Sulfate	38.3	38.1	1%
3/3/2021		PZ-25 (DUP-01)	PZ-25	RPD
	Sulfate	39.2	39.2	0%
3/3/2021		PZ-23A (DUP-02)	PZ-23A	RPD
	Sulfate	66.5	66	1%
10/7/2020		PZ-19 (FD-01)	PZ-19	RPD
	TDS	496	492	1%
10/7/2020		PZ-25 (FD-02)	PZ-25	RPD
	TDS	288	280	3%
3/3/2021		PZ-25 (DUP-01)	PZ-25	RPD
	TDS	256	267	4%
3/3/2021		PZ-23A (DUP-02)	PZ-23A	RPD
	TDS	434	444	2%

For a RPD to be representative of the process, the concentrations must be five times the RL in accordance with US EPA guidance on inorganic data review, (US EPA August 2014). The RPD values of August and October 2020 sample concentrations that were five times the RL ranged within the allowable 20% RPD indicating good sampling precision.

The RPD for Radium in PZ-19/FD-01 in October 2020 was at 20%. The concentration of Radium in both samples is low (less than five times the MDC): consequently, slight variation between the two samples resulted in an elevated RPD. The Radium results are considered valid and appropriate for use in statistical analysis.

The August and October 2020 and March 2021 analytical results were compared to MCLs and secondary MCLs to evaluate groundwater quality and used in the statistical evaluation. The August and October 2020 and March 2021 constituent concentrations were within the historical range of concentrations. The data are considered usable for meeting project objectives and the results are considered valid.

Date: 2020-08-25 16:02:43

Project Information:

Operator Name

Ever Guillen

Pump Information:

Pump Model/Type

Operator NameEver GuillenPump Model/TypeQEDCompany NameWoodTubing TypeHDPEProject NamePlant Mitchell CCR Phase 2Tubing Diameter.17 inSite NamePZ-1DTubing Length61.21 ft

Latitude 0° 0' 0"

Longitude 0° 0' 0"

Sonde SN 369557

Turbidity Make/Model Hach 2100Q Pump placement from TOC 56.21 ft

Well Information: Pumping Information:

Well ID PZ-1D Final Pumping Rate 0 mL/min Well diameter 2 in Total System Volume 0.7532061 L Calculated Sample Rate Well Total Depth 61.21 ft 300 sec Screen Length 10 ft Stabilization Drawdown 0 in Depth to Water 52.98 ft Total Volume Pumped 9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	/cmTurb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	15:40:03	1500.02	25.87	7.37	225.89	8.81	54.33	2.55	51.40
Last 5	15:45:03	1800.02	26.09	7.42	224.46	7.42	54.33	2.52	48.57
Last 5	15:50:03	2100.02	25.87	7.45	223.84	5.75	54.33	2.52	46.28
Last 5	15:55:03	2400.02	25.94	7.47	222.11	6.04	54.33	2.63	44.51
Last 5	16:00:03	2700.02	25.79	7.49	223.39	4.71	54.33	2.72	43.38
Variance 0			-0.23	0.03	-0.62			0.00	-2.29
Variance 1			0.07	0.02	-1.73			0.12	-1.77
Variance 2			-0.15	0.01	1.28			0.09	-1.13

Notes

PZ-1D Sample time=1605

Date: 2020-08-26 10:54:48

80.2 ft

Project Information: Pump Information:

Operator Name Daniel Howard Pump Model/Type **QED Sample Pro** Company Name Wood E&IS **Tubing Type** HDPE Project Name Tubing Diameter .17 in Plant Mitchell CCR Phase II Tubing Length

Site Name PZ-2D 00 0' 0" Latitude 00 0' 0" Longitude Sonde SN 369555

Turbidity Make/Model Hach 2100Q Pump placement from TOC 75.2 ft

Pumping Information: Well Information:

Final Pumping Rate 200 mL/min Well ID PZ-2D Well diameter 2 in Total System Volume 0.5479665 L Calculated Sample Rate Well Total Depth 80.21 ft 300 sec Stabilization Drawdown Screen Length 10 ft 0 in Depth to Water 7 L 36.1 ft **Total Volume Pumped**

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	10:30:40	900.03	20.66	7.96	179.57	3.18	36.25	1.79	115.71
Last 5	10:35:40	1200.03	20.64	7.96	177.01	2.41	36.25	1.93	115.24
Last 5	10:40:40	1500.03	20.69	7.96	175.52	2.00	36.25	2.01	115.18
Last 5	10:45:40	1800.03	20.59	7.96	173.95	0.95	36.25	2.09	114.75
Last 5	10:50:40	2100.03	20.60	7.97	171.46	1.10	36.25	2.10	114.03
Variance 0			0.05	-0.00	-1.49			0.08	-0.06
Variance 1			-0.10	0.00	-1.57			0.08	-0.43
Variance 2			0.01	0.01	-2.48			0.02	-0.72

Notes

PZ-2D sample time 1052.

Date: 2020-08-26 15:34:33

Project Information:

Pump Information:

Pump Model/Type

Pump Model/Type Operator Name Ever Guillen QED Company Name **HDPE** Wood **Tubing Type** Project Name Tubing Diameter .17 in Plant Mitchell CCR Phase 2 Tubing Length Site Name PZ-7D 60.37 ft

Latitude 0° 0' 0"

Longitude 0° 0' 0"

Sonde SN 369557

Turbidity Make/Model Hach 2100Q Pump placement from TOC 55.37 ft

Well Information: Pumping Information:

Final Pumping Rate Well ID PZ-7D 0 mL/min 0.7494568 L Well diameter 2 in Total System Volume Calculated Sample Rate Well Total Depth 60.37 ft 300 sec Stabilization Drawdown Screen Length 10 ft 0 in Depth to Water **Total Volume Pumped** 8 L 33.28 ft

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	15:11:56	1200.03	24.82	7.02	506.01	5.57	33.48	0.36	10.29
Last 5	15:16:56	1500.03	23.85	7.03	504.40	4.64	33.48	0.34	14.72
Last 5	15:21:56	1800.03	23.92	7.03	505.49	2.49	33.48	0.31	17.07
Last 5	15:26:56	2100.03	24.05	7.02	506.80	1.23	33.48	0.30	18.47
Last 5	15:31:56	2399.88	24.28	7.01	508.25	0.93	33.48	0.28	19.02
Variance 0			0.07	0.00	1.09			-0.03	2.35
Variance 1			0.13	-0.00	1.30			-0.02	1.40
Variance 2			0.22	-0.01	1.45			-0.02	0.54

Notes

Sample time =1535

Date: 2020-08-26 14:11:46

Project Information: Pump Information: Operator Name Ever Guillen Pump Model/Type

QED Company Name HDPE Wood **Tubing Type** Project Name Tubing Diameter .17 in Plant Mitchell CCR Phase 2 Tubing Length Site Name PZ-14 53.20 ft

00 0' 0" Latitude Longitude 00 0' 0" Sonde SN 369557

Turbidity Make/Model Hach 2100Q Pump placement from TOC 48.20 ft

Pumping Information: Well Information:

Well ID Final Pumping Rate PZ-14 0 mL/min Well diameter 2 in Total System Volume 0.7174541 L 53.20 ft Calculated Sample Rate Well Total Depth 300 sec Stabilization Drawdown Screen Length 0 in 10 ft Depth to Water 6 L 44.23 ft **Total Volume Pumped**

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	/cmTurb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:50:02	600.03	26.50	7.01	473.25	10.00	44.47	4.70	39.22
Last 5	13:55:02	900.03	26.36	7.00	472.63	7.31	44.47	4.62	42.18
Last 5	14:00:02	1200.03	25.93	6.98	471.99	3.71	44.47	4.57	42.99
Last 5	14:05:02	1500.03	26.40	6.98	473.82	1.18	44.47	4.52	43.35
Last 5	14:10:02	1800.03	26.35	6.98	474.15	0.98	44.47	4.52	43.45
Variance 0			-0.44	-0.01	-0.64			-0.06	0.81
Variance 1			0.48	0.00	1.83			-0.04	0.37
Variance 2			-0.05	-0.00	0.33			-0.01	0.09

Notes

Sample time =1410

Date: 2020-08-26 13:05:15

Project Information: Operator Name Company Name Project Name Site Name Latitude Longitude Sonde SN	Andreas Shoredits Wood Plant Mitchell CCR Phase II PZ-15 0° 0' 0" 0° 0' 0" 369323	Pump Information: Pump Model/Type Tubing Type Tubing Diameter Tubing Length	QED LDPE 0.17 in 79 ft
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	78.2 ft
Well Information: Well ID Well diameter Well Total Depth Screen Length Depth to Water	PZ-15 2.00 in 83.22 ft 10 ft 31.15 ft	Pumping Information: Final Pumping Rate Total System Volume Calculated Sample Rate Stabilization Drawdown Total Volume Pumped	295 mL/min 0.8326105 L 300 sec 9.7 in 10.6 L

Low-Flow Sar	mpling Stabiliz	ation Summary							
	Time	Elapsed	Temp C	рН	SpCond µS	/cmTurb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 20
Last 5	12:01:52	613.02	23.36	7.18	525.61	1.53	31.38	0.17	-87.66
Last 5	12:06:52	913.02	23.22	7.14	527.75	0.80	31.39	0.13	-80.58
Last 5	12:11:52	1213.02	23.19	7.12	527.31	1.00	31.40	0.12	-73.39
Last 5	12:16:52	1513.26	23.13	7.09	528.54	1.10	31.41	0.13	-69.04
Last 5	12:21:52	1813.27	23.10	7.08	529.20	1.13	31.43	0.14	-66.66
Variance 0			-0.04	-0.02	-0.45			-0.00	7.19
Variance 1			-0.06	-0.03	1.23			0.01	4.35
Variance 2			-0.03	-0.01	0.66			0.01	2.38

Notes

Start purging well @ 11:52, stop @ 21:21; Purge rate maintained between 290-295 ml/min; Water has strong sulfurous odor; Collect sample @ 12:25; pH during sample collection is 7.08; Weather is sunny 32 degrees C

Grab Samples PZ-15

Date: 2020-08-26 14:46:54

Project Information:		Pump Information:	
Operator Name	Andreas Shoredits	Pump Model/Type	QED
Company Name	Wood	Tubing Type	LDPE
Project Name	Plant Mitchell CCR Phase II	Tubing Diameter	0.17 in
Site Name	PZ-16	Tubing Length	50 ft
Latitude	00 0' 0"		
Longitude	00 0' 0"		
Sonde SN	369323		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	48.2 ft
Well Information:		Pumping Information:	
Well ID	PZ-16	Final Pumping Rate	300 mL/min
Well diameter	2.00 in	Total System Volume	0.7031711 L
Well Total Depth	53.19 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.4 in
Depth to Water	34.91 ft	Total Volume Pumped	7.3 L

Low-Flow Sa	mpling Stabiliz	ation Summary	•						
	Time	Elapsed	Temp C	рН	SpCond µS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 20
Last 5	13:44:53	300.03	22.85	7.33	466.81	4.70	35.06	1.78	119.66
Last 5	13:49:53	600.02	22.69	7.24	470.44	1.37	35.03	1.24	121.76
Last 5	13:54:53	900.08	22.74	7.21	467.42	0.75	35.04	1.13	121.02
Last 5	13:59:53	1200.04	22.52	7.20	466.04	0.40	35.04	1.09	123.19
Last 5	14:04:53	1500.02	22.43	7.18	465.16	0.77	35.04	1.12	122.95
Variance 0			0.05	-0.03	-3.02			-0.11	-0.74
Variance 1			-0.21	-0.01	-1.37			-0.03	2.17
Variance 2			-0.09	-0.02	-0.88			0.02	-0.24

Notes

Start purging well @ 13:40, stop @ 14:04; Lowered initial purge rate of 320 ml/min to 290-300 ml/min @ 13:45; Collect sample @ 14:10; pH during sample collection is 7.18; Weather is sunny 33 degrees C

Grab Samples PZ-16

Date: 2020-08-26 16:34:21

Project Information: Operator Name Company Name Project Name Site Name Latitude Longitude	Andreas Shoredits Wood Plant Mitchell CCR Phase II PZ-17 0° 0' 0" 0° 0' 0"	Pump Information: Pump Model/Type Tubing Type Tubing Diameter Tubing Length	QED LDPE 0.17 in 59 ft
Sonde SN	369323		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	57.7 ft
Well Information:		Pumping Information:	
Well ID	PZ-17	Final Pumping Rate	290 mL/min
Well diameter	2.00 in	Total System Volume	0.7433419 L
Well Total Depth	62.70 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.4 in
Depth to Water	33.16 ft	Total Volume Pumped	8.1 L

Low-Flow Sai	mpling Stabiliz	ation Summary							
	Time	Elapsed	Temp C	рН	SpCond µS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 20
Last 5	15:23:24	600.02	22.89	7.12	621.34	1.11	33.29	0.35	-76.56
Last 5	15:28:24	900.03	22.69	7.04	621.00	0.73	33.29	0.17	-72.95
Last 5	15:33:24	1200.03	22.62	7.02	623.28	0.42	33.30	0.15	-70.36
Last 5	15:38:24	1500.03	22.55	7.00	624.73	0.55	33.30	0.14	-67.75
Last 5	15:43:24	1800.03	22.57	6.98	625.88	0.73	33.30	0.15	-66.61
Variance 0			-0.07	-0.02	2.27			-0.02	2.58
Variance 1			-0.07	-0.02	1.46			-0.00	2.61
Variance 2			0.01	-0.02	1.15			0.00	1.14

Notes

Start purging well @ 15:15, stop @ 15:43; Initial purge rate of 280 ml/min increased to 290 ml/min @ 15:19; Collect sample @ 15:45; pH during sample collection is 6.98; Weather is sunny 34 degrees C

Grab Samples PZ-17

Date: 2020-08-27 10:01:14

Project Information:

Operator Name

Ever Guillen

Pump Information:

Pump Model/Type

Operator NameEver GuillenPump Model/TypeQEDCompany NameWoodTubing TypeHDPEProject NamePlant Mitchell CCR Phase 2Tubing Diameter.17 inSite NamePZ-18Tubing Length63.18 ft

Latitude 0° 0' 0"

Longitude 0° 0' 0"

Sonde SN 369557

Turbidity Make/Model Hach 2100Q Pump placement from TOC 58.18 ft

Well Information: Pumping Information:

Final Pumping Rate 0 mL/min Well ID PZ-18 Well diameter 2 in Total System Volume 0.761999 L Calculated Sample Rate Well Total Depth 63.18 ft 300 sec Screen Length 10 ft Stabilization Drawdown 0 in Depth to Water **Total Volume Pumped** 8 L 29.64 ft

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	09:39:04	1200.03	24.03	6.85	613.81	2.62	29.85	0.15	-7.69
Last 5	09:44:04	1500.03	24.06	6.87	615.33	2.69	29.85	0.15	-5.90
Last 5	09:49:04	1799.89	23.99	6.88	613.52	3.39	29.85	0.16	-4.06
Last 5	09:54:04	2099.89	23.90	6.89	614.52	2.06	29.85	0.16	-2.50
Last 5	09:59:04	2399.88	23.91	6.88	613.24	1.89	29.85	0.16	-0.53
Variance 0			-0.07	0.01	-1.80			0.01	1.84
Variance 1			-0.08	0.01	0.99			0.00	1.57
Variance 2			0.00	-0.01	-1.27			0.00	1.96

Notes

Sample time =1005

Date: 2020-08-26 15:37:22

Project Information:

Operator Name Daniel Howard
Company Name Wood E&IS

Project Name Plant Mitchell CCR Phase II

Site Name PZ-19
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 369555

Turbidity Make/Model Hach 2100Q

Well Information:

Well IDPZ-19Well diameter2 inWell Total Depth62.63 ftScreen Length10 ftDepth to Water32.56 ft

Pump Information:

Pump Model/Type QED Micropurge

Tubing TypeHDPETubing Diameter.25 inTubing Length62.6 ft

Pump placement from TOC 57.63 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 1.084261 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.01 in
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	/cmTurb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	15:13:42	900.17	24.40	6.69	870.86	3.60	32.60	0.24	67.44
Last 5	15:18:42	1200.17	24.40	6.68	863.03	2.83	32.60	0.21	75.32
Last 5	15:23:42	1500.17	24.57	6.68	857.20	2.26	32.61	0.19	80.31
Last 5	15:28:42	1800.17	24.47	6.68	854.34	1.69	32.61	0.19	83.34
Last 5	15:33:42	2100.17	24.68	6.68	853.13	1.15	32.61	0.18	87.43
Variance 0			0.16	-0.00	-5.83			-0.02	4.99
Variance 1			-0.09	0.00	-2.86			-0.00	3.03
Variance 2			0.20	-0.00	-1.22			-0.01	4.08

Notes

PZ-19 sample time 1535.

Date: 2020-08-26 10:35:23

Project Information:		Pump Information:	
Operator Name	Andreas Shoredits	Pump Model/Type	QED
Company Name	Wood	Tubing Type	LDPE
Project Name	Plant Mitchell CCR Phase II	Tubing Diameter	0.17 in
Site Name	PZ-23A	Tubing Length	61 ft
Latitude	00 0' 0"		
Longitude	00 0' 0"		
Sonde SN	369323		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	59.5 ft
Well Information:		Pumping Information:	
Well ID	PZ-23A	Final Pumping Rate	190 mL/min
Well diameter	2.00 in	Total System Volume	0.7522688 L
Well Total Depth	64.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1.6 in
Depth to Water	50.19 ft	Total Volume Pumped	10 L

Low-Flow Sa	ımpling Stabiliz	ation Summary	1						
	Time	Elapsed	Temp C	рН	SpCond µS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 20
Last 5	09:47:33	2100.02	22.43	6.64	777.08	6.72	50.70	2.56	109.12
Last 5	09:52:33	2400.02	22.43	6.64	773.63	5.65	50.70	2.57	105.43
Last 5	09:57:33	2700.02	22.56	6.64	772.02	4.60	50.70	2.57	103.65
Last 5	10:02:33	3000.02	22.57	6.64	769.85	4.17	50.70	2.63	103.48
Last 5	10:07:34	3300.88	22.73	6.64	768.63	3.76	50.70	2.64	102.51
Variance 0			0.13	0.00	-1.61			-0.00	-1.78
Variance 1			0.01	0.00	-2.17			0.06	-0.17
Variance 2			0.16	-0.00	-1.22			0.01	-0.97

Notes

Start purging well @ 09:14, stop @ 10:07; Initial purge rate of 180 ml/min increased to 195-190 ml/min @ 09:18; Water initially has slight white precipitate and small bubbles; Collect sample @ 10:10; Duplicate sample collected; pH during sample collection is 6.64; Weather is sunny 28 degrees C

Grab Samples
PZ-23A
Groundwater sample
DUP-02
Groundwater duplicate sample

Date: 2020-08-26 13:51:54

Tubing Type

Tubing Diameter

Tubing Length

Project Information: Pump Information: Pump Model/Type

Operator Name Daniel Howard Company Name Wood E&IS Plant Mitchell CCR Phase II

Project Name Site Name PZ-25 Latitude 00 0' 0" 00 0' 0" Longitude Sonde SN 369555

Turbidity Make/Model Hach 2100Q

Pump placement from TOC

Well Information:

Well ID PZ-25 Well diameter 2 in Well Total Depth 63.10 ft Screen Length 10 ft Depth to Water 30.57 ft Pumping Information:

Final Pumping Rate 200 mL/min Total System Volume 1.088122 L Calculated Sample Rate 300 sec Stabilization Drawdown 0.04 in **Total Volume Pumped** 7 L

QED Micropurge

HDPE

.25 in

63 ft

58.2 ft

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:28:08	900.03	24.66	7.11	476.02	1.81	30.86	0.38	-89.25
Last 5	13:33:08	1200.03	24.60	7.10	474.72	1.03	30.86	0.32	-89.05
Last 5	13:38:08	1500.03	24.68	7.09	475.09	0.91	30.88	0.29	-88.62
Last 5	13:43:08	1800.03	24.58	7.09	474.21	1.07	30.88	0.28	-87.77
Last 5	13:48:08	2100.03	24.62	7.09	472.58	0.95	30.88	0.23	-88.44
Variance 0			0.07	-0.01	0.37			-0.03	0.43
Variance 1			-0.09	-0.00	-0.88			-0.01	0.84
Variance 2			0.04	-0.00	-1.63			-0.05	-0.67

Notes

PZ-25 sample time 1350. Collected DUP-01

Date: 2020-08-25 16:29:41

Project Information: Operator Name Company Name Project Name Site Name Latitude Longitude Sonde SN	Andreas Shoredits Wood Plant Mitchell CCR Phase II PZ-31 0° 0' 0" 0° 0' 0" 369323	Pump Information: Pump Model/Type Tubing Type Tubing Diameter Tubing Length	QED LDPE 0.17 in 58 ft
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	56.6 ft
Well Information: Well ID Well diameter Well Total Depth Screen Length Depth to Water	PZ-31 2.00 in 61.60 ft 10 ft 39.91 ft	Pumping Information: Final Pumping Rate Total System Volume Calculated Sample Rate Stabilization Drawdown Total Volume Pumped	195 mL/min 0.7388785 L 300 sec 0.7 in 5.7 L

Low-Flow Sa	mpling Stabiliz	ation Summary							
	Time	Elapsed	Temp C	рН	SpCond µS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 20
Last 5	15:49:55	600.02	23.27	7.25	471.45	2.94	40.29	4.60	181.18
Last 5	15:54:55	900.02	22.82	7.19	471.73	1.88	40.32	4.66	181.11
Last 5	15:59:55	1200.02	22.69	7.15	470.29	1.60	40.35	4.71	184.16
Last 5	16:04:55	1500.02	22.71	7.15	470.61	1.56	40.35	4.70	185.46
Last 5	16:09:55	1800.02	22.55	7.14	470.14	1.50	40.35	4.68	187.03
Variance 0			-0.14	-0.04	-1.44			0.04	3.04
Variance 1			0.03	0.00	0.32			-0.01	1.30
Variance 2			-0.17	-0.01	-0.47			-0.02	1.57

Notes

Start purging well @ 15:41, stop @ 16:10; Initial purge rate of 220 ml/min reduced to 160 ml/min @ 15:46 and set to final purge rate of 195 ml/min @ 15:51; Collect sample @ 16:15; pH during sample collection is 7.14; Weather is sunny 34 degrees C

Grab Samples PZ-31

Date: 2020-08-25 15:26:29

Project Information: Operator Name Company Name Project Name Site Name Latitude Longitude Sonde SN	Andreas Shoredits Wood Plant Mitchell CCR Phase II PZ-32 0° 0' 0" 0° 0' 0" 369323	Pump Information: Pump Model/Type Tubing Type Tubing Diameter Tubing Length	QED LDPE 0.17 in 60 ft
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	58.3 ft
Well Information: Well ID Well diameter Well Total Depth Screen Length Depth to Water	PZ-32 2.00 in 65.30 ft 10 ft 38.44 ft	Pumping Information: Final Pumping Rate Total System Volume Calculated Sample Rate Stabilization Drawdown Total Volume Pumped	285 mL/min 0.7478054 L 300 sec 0 in 10.6 L

Low-Flow Sa	mpling Stabiliz	ation Summary							
	Time	Elapsed	Temp C	рН	SpCond µS	/cmTurb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 20
Last 5	14:32:27	1200.02	20.05	7.72	317.90	0.72	38.50	0.34	137.72
Last 5	14:37:27	1500.02	19.97	7.66	318.41	0.84	38.50	0.33	134.74
Last 5	14:42:27	1800.02	19.97	7.61	318.64	0.47	38.50	0.36	133.98
Last 5	14:47:27	2100.02	19.92	7.55	319.06	0.03	38.50	0.42	134.34
Last 5	14:52:27	2400.02	19.91	7.53	319.44	0.09	38.50	0.50	134.60
Variance 0			0.00	-0.04	0.24			0.02	-0.76
Variance 1			-0.05	-0.06	0.42			0.07	0.36
Variance 2			-0.01	-0.02	0.38			0.07	0.26

Notes

Start purging well @ 14:13, stop @ 14:52; Purge rate maintained between 290-285 ml/min; Collect sample @ 14:55; pH during sample collection is 7.53; Weather is sunny 33 degrees C

Grab Samples PZ-32

Date: 2020-08-26 10:21:39

Project Information:

Operator Name

Ever Guillen

Pump Information:

Pump Model/Type

Operator NameEver GuillenPump Model/TypeQEDCompany NameWoodTubing TypeHDPEProject NamePlant Mitchell CCR Phase 2Tubing Diameter.17 inSite NamePZ-33Tubing Length73.60 ft

Latitude 0° 0' 0"

Longitude 0° 0' 0"

Sonde SN 369557

Turbidity Make/Model Hach 2100Q Pump placement from TOC 68.60 ft

Well Information: Pumping Information:

Well ID PZ-33 Final Pumping Rate 0 mL/min Well diameter 2 in Total System Volume 0.8085079 L 73.60 ft Calculated Sample Rate Well Total Depth 300 sec Screen Length 10 ft Stabilization Drawdown 0 in Depth to Water 7 L 49.63 ft **Total Volume Pumped**

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	09:59:45	903.03	22.08	6.95	503.43	5.35	50.03	0.15	-4.99
Last 5	10:04:45	1203.03	21.99	6.97	507.85	3.98	50.03	0.14	5.46
Last 5	10:09:45	1503.03	21.96	6.98	507.60	1.97	50.03	0.14	10.69
Last 5	10:14:45	1803.03	21.91	6.99	508.66	0.78	50.03	0.15	13.87
Last 5	10:19:45	2103.03	21.91	6.99	508.72	0.46	50.03	0.15	16.45
Variance 0			-0.03	0.02	-0.25			-0.00	5.23
Variance 1			-0.05	0.01	1.06			0.00	3.18
Variance 2			-0.00	0.00	0.06			0.00	2.58

Notes

Sample time =1020

Date: <u>8-25-20</u>
Time: <u>1430</u>
Prepared By: <u>EVER GUILLER</u> Checked By:____

Wood. Project No. 6122160170

Pine Sonde ID: 369557 Pine Handset ID: 306/8
Battery Voltage %:)

	BRATION	1 PRIOR	TO SA	AMPLING	····		
DISSOLVED OXYGEN (DO)			·		-		VALUE
Was DO membrane changed?	Yes	No_	مسسا	Date:	Time:		
Current Air Temperature °C (meter reading):							21,06
Current Barometric Pressure (from Weather				· · · · · ·			
Channel or NOAA.gov, which is corrected to							1
sea level):							, ,,,,,,,,,,
Elevation Corrected Barometric Pressure to						m Hg for ever	у
enter into YSI DO calibration:	100 ft. ab	ove sea l	evel: 50	65/100 x 2.54	= 14.4 mm F	łg	758,3
Theoretical DO (mg/L) from DO table based							Ī
on current temperature and elevation corrected							
pressure:	75 11						
DO concentration before Calibration (mg/L):	Dependi	ng on m	eter ve	rsion, this m	ay not be av	ailable.	8.78
DO concentration after Calibration (mg/L):	ļ						8.55
% Recovery (actual/theory x 100)	Range is						,,,,
DO Charge (DO ch):	Acceptal						V-1,
DO Gain (should be between -0.7 and 1.5):	Exit Cal	ibration	menu a	and go to Ad	vanced/Cal	Constants	
Note:							
CONDUCTIVITY [Note: Calibrate before pH to a	oid carry-ov	er from pH	standard	ls (i.e. pH buffer	s are conductiv	e)]	
Calibration standard used (mS/cm)	ļ						1.413
Temperature (°C)	ļ					28,6	> 2.7. Lan
Reading before Calibration (mS/cm)						·	1,462
Reading AFTER Calibration (mS/cm)						- www.r.	1.2.79
Conductivity Cell Constant (unitless):	J.,,					APANNUL .	4,00
Note: Be sure conductivity cell is submerged and free of bub	bles (gently t	ap sonde o			-,	ogr	
pH							
pH 7.0 value before calibration:		****					7,01
pH 7.0 value after calibration:	ļ						6,99
pH 7.0 mV (range is -50 to +50 mV):	 _						-0,5
pH 10 value before calibration:					****		10,02
pH 10 value after calibration:							9,96
pH 10 mV (range is -130 to -230 mV):	* *** ** *		AND # 1888	, , , , , , , , , , , , , , , , , , ,			-175,0
pH 4.0 value before calibration:		*****		*******			4.10
pH 4.0 value after calibration:				h-1-hit			4,01
pH 4.0 mV (range is 130 to 230 mV):	<u> </u>						16818
Note: Span between ph 4 and 7, and 7 and 10 should be between		80 mV					· · · · · · · · · · · · · · · · · · ·
OXIDATION/REDUCTION POTENTIAL (ORP)						
Calibration Temperature (°C):	0.001	0015	Press.				30,1
Theoretical Calibration standard (mV)	0.231+0.	0013(25	-T) x 1	000 = mV	(T is Temp	erature °C)	240,0
Reading before calibration (mV):				VV			223,2
Reading after calibration (mV):	<u> </u>			4			222.0
Note: mV theory will change with temperature	, so calcu	late base	d on yo	our current to	emp.		**************************************
TURBIDITY Note: Lens wiper should be parked 18	0 degrees fr	om the op	tics.				
10 NTU Turbidity Standard				Before Cal:	,	After Cal:	9,96
NTU Turbidity Standard				Before Cal:	2012	After Cal:	20.3
100 NTU Turbidity Standard				Before Cal:	101	After Cal:	100
NTU Turbidity Check STD				Before Cal:	826	After Cal:	792
<u> 1ℓ</u> NTU Turbidity Check STD				Before Cal:	9,95	After Cal:	9,94
CALIBRATION SUCCESSFUL?	1 1				,		I

Date: 8-26-20 Time: Prepared By: EVER GUILLEN Checked By:	Project N	Wood. √o. 6122160 [.]	170	Pine H	andset ID:_	30618
Time: Project No. 6122160170 Pine Handset ID: 306/2 Prepared By: EVER GUILLEN Checked By: CALIBRATION PRIOR TO SAMPLING CALIBRATION PRIOR TO SAMPLING						
DISSOLVED OXYGEN (DO)					·	VALU
Was DO membrane changed?	Yes	No_e	Date:	Time:		
Current Air Temperature °C (meter reading):		AND ALL DAVIS MILLON			· ·	26,4
Current Barometric Pressure (from Weather				,		4.5
Channel or NOAA.gov, which is corrected to					e de la companya de l	
1	1					1

	BRATION PRIOR TO SAMPLING	
DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes No Date: Time:	
Current Air Temperature °C (meter reading):		26,48
Current Barometric Pressure (from Weather		
Channel or NOAA.gov, which is corrected to		
sea level):		
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every	
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	7584
Theoretical DO (mg/L) from DO table based		
on current temperature and elevation corrected		
pressure:		tions.
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8,08
DO concentration after Calibration (mg/L):	:	7.86
% 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 av	oid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)		1,413
Temperature (°C)		26,6
Reading before Calibration (mS/cm)		1,428
Reading AFTER Calibration (mS/cm)	Maria da la compania de la compania de la compania de la compania de la compania de la compania de la compania	1,279
Conductivity Cell Constant (unitless):		
Note: Be sure conductivity cell is submerged and free of bubl	oles (gently tap sonde on table)	
pH (1-1)		
pH 7.0 value before calibration:		7,04
pH 7.0 value after calibration:		7,00
pH 7.0 mV (range is -50 to +50 mV):		-2,4
pH 10 value before calibration:		9,95
pH 10 value after calibration:		10,0
pH 10 mV (range is -130 to -230 mV):		~174
pH 4.0 value before calibration:		4,17
pH 4.0 value after calibration:		4,00
pH 4.0 mV (range is 130 to 230 mV):		166,9
Note: Span between ph 4 and 7, and 7 and 10 should be betw	een 165 to 180 mV	10011
OXIDATION/REDUCTION POTENTIAL (ORP)	ing a significant of the signif
Calibration Temperature (°C):		25.9

 $0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C) Theoretical Calibration standard (mV) 240 Reading before calibration (mV): 231,1 Reading after calibration (mV): 228,0

Note: mV theory will change with temperature, so calculate based on your current temp.

TURBIDITY Note: Lens wiper should be pa	rked 180 degrees from the optics.		· i Pigares	
NTU Turbidity Standard	Before Cal:	9,57	After Cal:	9,94
20 NTU Turbidity Standard	Before Cal:		After Cal:	20,4
100 NTU Turbidity Standard	Before Cal:	100	After Cal:	100
800 NTU Turbidity Check STD	Before Cal:	853	After Cal:	775
NTU Turbidity Check STD	Before Cal:	9164	After Cal;	9.81
CALIBRATION SUCCESSFUL?				

Date: 8-27-20

Checked By:

Time: 800
Prepared By: GVER GUILLEN

Wood. Project No. 6122160170

Pine Sonde ID: 25475
Pine Handset ID: 306/8
Battery Voltage %: 100

CALL	BRATION PRIOR TO SAMPLING	
DISSOLVED OXYGEN (DO)	O with this company of the control o	VALUE
Was DO membrane changed?	Yes No Date: Time:	ACT INTO COLUMN TO COLUMN TO SERVICE S
Current Air Temperature °C (meter reading):	The state of the s	25175
Current Barometric Pressure (from Weather	And a state of the	manda managana
Channel or NOAA gov, which is corrected to	•	
sea level):		_
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every	THE RESERVE TO SERVE THE PERSON
enter into YSI DO calibration:	100 ft. above sea level: $565/100 \times 2.54 = 14.4 \text{ mm Hg}$	758,2
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.	B, 30
DO concentration after Calibration (mg/L):	THE RESIDENCE OF THE PROPERTY	B114
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	Sandistanterkunden warm
DO Charge (DO ch):	Acceptable Range is 25 to 75	decase per true un palate fallet au Frévier et fra 1967
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	THE PRINCIPAL OF STREET
Note:	I and the second	Тиминатими инициальный ре
CONDUCTIVITY [Note: Calibrate before pH to av	roid carry-over from pH standards (i.e. pH buffers are conductive)]	***************************************
Calibration standard used (mS/cm)	The state of the s	1.413
Temperature (°C)	26,2	ราย เป็นเลง โดยเดียน ของเปลาเกมเลง 2555
Reading before Calibration (mS/cm)	Complete Com	1.439
Reading AFTER Calibration (mS/cm)		1, 7.7°
Conductivity Cell Constant (unitless):		to Latin Land annual
Note: Be sure conductivity cell is submerged and free of bubl	bles (gently tap sonde on table)	THE RESIDENCE OF THE PARTY OF THE PARTY.
pH		
pH 7.0 value before calibration:		7,07
pH 7.0 value after calibration:	The state of the s	7,00
pH 7.0 mV (range is -50 to +50 mV):	The state of the s	-3,7
pH 10 value before calibration:	N ACTOR IN ACTOR OF LOSSEN AT ACTOR IN ACCORD IN ACCORD IN ACCORD IN ACCORD OF ACCORD AN ACCORD IN ACCORD AS ACCORD AS ACCORD AN ACCORD AS ACCORDING AS ACCORDINA	9,99
pH 10 value after calibration:	A STATE OF THE STA	10,00
pH 10 mV (range is -130 to -230 mV):		-176.7
pH 4.0 value before calibration:	4 CCC 18 CMC 18 CMC 18 1944 18 CMC 18 CMC 18 1944 18 1944 18 1944 18 1944 18 1945 18 1955 18 1	4.25
pH 4.0 value after calibration:		4,00
pH 4.0 mV (range is 130 to 230 mV):		162,7
Note: Span between ph 4 and 7, and 7 and 10 should be betw	een 165 to 180 mV	LE RESERVED PORTOR DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRAC
OXIDATION/REDUCTION POTENTIAL (
Calibration Temperature (°C):		24,2
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	240,0
Reading before calibration (mV):		234,5
Reading after calibration (mV):		230.0
Note: mV theory will change with temperature	so calculate based on your current temp	Comments of the American State of the Americ
TURBIDITY Note: Lens wiper should be parked 180		
/ NTU Turbidity Standard	Before Cal: 49 9,6/ After Cal:	9,79
Ze NTU Turbidity Standard	Before Cal: 19, 3 After Cal:	AND DESCRIPTION OF THE REAL PROPERTY.
100 NTU Turbidity Standard		20,2-
BOO NTU Turbidity Check STD		101
NTU Turbidity Check STD	Before Cal: 821 After Cal: Before Cal: 9,52 After Cal:	796
CALIBRATION SUCCESSFUL?	Delote Cat. 915 - After Cat:	10,2
		AMERICA SHEADON SCHOOL STANSON

Date: <u>08/25/2026</u> Time: <u>06: 20</u> Prepared By: <u>A-SHOREDSTS</u> Checked By:____

Wood. Project No. 6122160170 Pod Pine Handset ID: 02546

Battery Voltage %: 90 Hach 2100@ S/N PMe#

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)	BRATIO	N PRIOR	TO SA	AMPLINC			VALUE	7
Was DO membrane changed?	Yes	No	×	Date:	Time:		TALLOE	
Current Air Temperature °C (meter reading):	T						30.80	1
Current Barometric Pressure (from Weather	-							(. i
Channel or NOAA.gov, which is corrected to	-						18018.3 M 30.07 i	your
sea level):	ľ						30,0 % 1	I MS
Elevation Corrected Barometric Pressure to	Ex.: 30.	.02 in. Hg	x 25.4 =	mm Hg; s	ubtract 2.54	mm Hg for ever	У	1
enter into YSI DO calibration:	100 ft. a	bove sea l	evel: 50	65/100 x 2.	54 = 14.4 mm	n Hg		
Theoretical DO (mg/L) from DO table based								1
on current temperature and elevation corrected								10
pressure:	ļ						67	08/25/2
DO concentration before Calibration (mg/L):	Depend	ling on m	eter ve	rsion, this	may not be	available.	7-74	160%
DO concentration after Calibration (mg/L):	<u> </u>					· · · · · · · · · · · · · · · · · · ·		
% Recovery (actual/theory x 100)		is 90 to 1						
DO Charge (DO ch):		able Rang						
DO Gain (should be between -0.7 and 1.5):	Exit Ca	libration	menu a	and go to	Advanced/C	al Constants	A]
Note:								7
CONDUCTIVITY [Note: Calibrate before pH to a								
Calibration standard used (mS/cm)	Lot #	t oae	438	·	Enp. 05	121	1.413	i i
Temperature (°C)					0.0		23.60	
Reading before Calibration (mS/cm)							1.404	Į
Reading AFTER Calibration (mS/cm)	<u> </u>						1.413	
Conductivity Cell Constant (unitless):								
Note: Be sure conductivity cell is submerged and free of bub	bles (gently	tap sonde o	n table)					1 1 S.
oH	- , -							08/25/20 96
oH 7.0 value before calibration:	Let #	t 09D	808		Ezip OL	182	6.88	96
pH 7.0 value after calibration:			***************************************		•	······	7.00	
oH 7.0 mV (range is -50 to +50 mV):			agen of seem	, , <u>, , , , , , , , , , , , , , , , , </u>			-36.1	
pH 10 value before calibration:	CO+ 1	4996	648		Exp. 12	121	. —,	23.7°C
pH 10 value after calibration:		***					10.00	
pH 10 mV (range is -130 to -230 mV):				·			-2079	
oH 4.0 value before calibration:	Lot 1	4 090	046		Exp. 02	122		237°C
oH 4.0 value after calibration:							4.00	
oH 4.0 mV (range is 130 to 230 mV):	<u> </u>						135-3	
Note: Span between ph 4 and 7, and 7 and 10 should be betw			2/6	10				1
DXIDATION/REDUCTION POTENTIAL (Std-						
Calibration Temperature (°C):	20+#	OGDO	<u> 20</u>	3	3/2 · Ol/	21	235.6	
Theoretical Calibration standard (mV)	0.231+0	0.0013(25	-1) x 1	000 = mV	"(T is Ten	nperature °C)	a, pagements	
Reading before calibration (mV):						,	24.0	
Reading after calibration (mV):	<u> </u>		·	 			240.3	
Note: mV theory will change with temperature				our curren	temp.			Ī
TURBIDITY Note: Lens wiper should be parked 18								
20 NTU Turbidity Standard 201# A OU		1/		Before C	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	After Cal:	19.3	
00 NTU Turbidity Standard Col # 4912				Before C		After Cal:	99.7	
800 NTU Turbidity Standard Lot # A 011					al: 787	After Cal:	794	
10 NTU Turbidity Check STD Loft 492	(2	Bag. II	120		al: 9.58	After Cal:	9.82	
NTU Turbidity Check STD		**************************************		Before C	ıl:	After Cal:		
CALIBRATION SUCCESSFUL?							YES	

Date: 08/26/2020 Time: 06:25

Prepared By: A-SHORED 775 Checked By: ____

NTU Turbidity Check STD

CALIBRATION SUCCESSFUL?

Wood.

Pine Sonde ID: 025467

Project No. 6122160170 Pod Pine Handset ID: -625630616

SMARTROLE

Pine Handset ID. 90

Battery Voltage %: 90

Hach 21000 JN 121100021737

Pine #022853

DISSOLVED OXYGEN (DO)	BRATION PRIOR TO SAMPLING	VALUE	7
Was DO membrane changed?	Yes No 🔀 Date: Time:		╡
Current Air Temperature °C (meter reading):		24.94	n.
Current Barometric Pressure (from Weather		30.064	1_{L}
Channel or NOAA.gov, which is corrected to		30,06	1
sea level):			į
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every	A Little and A Little States	1
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg		
Theoretical DO (mg/L) from DO table based			1
on current temperature and elevation corrected	11		
pressure:			
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8.29	1/6
DO concentration after Calibration (mg/L):			ľ
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	- Krim	1
DO Charge (DO ch):	Acceptable Range is 25 to 75	C	1
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants]
Note:			_
	void carry-over from pH standards (i.e. pH buffers are conductive)]]
Calibration standard used (mS/cm)	Lot # 09E438 Eags 05/21	1.413	1
Temperature (°C)	,	22.8	1
Reading before Calibration (mS/cm)		1.413	1
Reading AFTER Calibration (mS/cm)		1.413	1
Conductivity Cell Constant (unitless):		The same of the sa	1
Note: Be sure conductivity cell is submerged and free of bub	obles (gently tap sonde on table)	3/4	А
pH]
pH 7.0 value before calibration:	Lof# 090808 Boxp. 04/22	7.05]2:
oH 7.0 value after calibration:		7.00	
pH 7.0 mV (range is -50 to +50 mV):		-39.2	42
pH 10 value before calibration:	Lot # 9GL 648 Fap. 12/21		2
pH 10 value after calibration:		1000	1
pH 10 mV (range is -130 to -230 mV):		-207.4	
pH 4.0 value before calibration:	Cof# 09D046 Exp. 04/22		12
oH 4.0 value after calibration:		4.00	
oH 4.0 mV (range is 130 to 230 mV):		128.9	
Note: Span between ph 4 and 7, and 7 and 10 should be between			I
OXIDATION/REDUCTION POTENTIAL (ORP) (Stol 240.0mU)		1
Calibration Temperature (°C):	Loty Eap	23.4	
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	~	
Reading before calibration (mV):		240.7	ĺ
Reading after calibration (mV):		240.0	
Note: mV theory will change with temperature	e, so calculate based on your current temp.		ā
FURBIDITY Note: Lens wiper should be parked 18			1
20 NTU Turbidity Standard Loff AC	0113 Eng. 07121 Before Cal: 20.4 After Cal:	20.4	l
100 NTU Turbidity Standard Lot 4 A9	121 Box 0. 08/20 Refore Cal: 101 After Cal:	98.1	
NTU Turbidity Standard Lot # AO 10 NTU Turbidity Check STD Lot # A9	161 Eap. 07/21 Before Cal: 780 After Cal:	797	1
1/2 NTU Turbidity Check STD Lof # A9	213 Exp. 07/21 Before Cal: 780 After Cal: 213 Exp. 11/20 Before Cal: 9.80 After Cal:	9.63	

Before Cal:

After Cal:

YES

Date: 8/25/20	
Time: 1323	11
Prepared By: Danie	Howard
Checked Bv:	•

Wood. Project No. 6122160170.2002 Pine Sonde ID:____ Pine Handset ID:__ Battery Voltage %:__

CALI	3RATIC	ON PRIOR TO	SAMPLING			
DISSOLVED OXYGEN (DO)			<u> </u>		VALUE	
Was DO membrane changed?	Yes	No /	Date:	Time:		
Current Air Temperature °C (meter reading):					34.5	
Current Barometric Pressure (from Weather				W. F. I. S. S. S. S. S. S. S. S. S. S. S. S. S.		
Channel or NOAA.gov, which is corrected to						
sea level):						
Elevation Corrected Barometric Pressure to				btract 2.54 mm Hg for eve	ery	
enter into YSI DO calibration:	100 ft.	above sea level	565/100 x 2.5	4 = 14.4 mm Hg	757.9	
Theoretical DO (mg/L) from DO table based						
on current temperature and elevation corrected						
pressure:			····			İ
DO concentration before Calibration (mg/L):	Depen	ding on meter	version, this 1	nay not be available.		
DO concentration after Calibration (mg/L):					6,95	
% Recovery (actual/theory x 100)		is 90 to 110%			99,4	}
DO Charge (DO ch):		table Range is				
DO Gain (should be between -0.7 and 1.5):	Exit C	alibration mer	u and go to A	dvanced/Cal Constants	1.0072	
Note:				·		
CONDUCTIVITY [Note: Calibrate before pH to av	oid carry-	***************************************	·			
Calibration standard used (mS/cm)		Lot OG	£438	05/21	1.413	
Temperature (°C)			W-14-W-1	•	93.6	
Reading before Calibration (mS/cm)					1372	
Reading AFTER Calibration (mS/cm)					4413	
Conductivity Cell Constant (unitless):	L				1.0297	
Note: Be sure conductivity cell is submerged and free of bubb	oles (gentl	y tap sonde on tab	le)			
pH		The second section of the section of th	A CONTRACTOR OF THE PARTY OF TH			
pH 7.0 value before calibration:		Lot 90	SK721	11/21	6,98	
pH 7.0 value after calibration:		man and pupility of the		32,900	7.86	
pH 7.0 mV (range is -50 to +50 mV):	7 20 20 20 20 20 20 20 20 20 20 20 20 20				1-49.5	
pH 10 value before calibration:		Lot 9G	648	12/21		10,94
pH 10 value after calibration:				35.8°	(9.92	·
pH 10 mV (range is -130 to -230 mV):	V 2000 # 2000	· • • • • • • • • • • • • • • • • • • •	T ANNOT M ANNOT AT MOOT M .		-224.8	
pH 4.0 value before calibration:	L	04 0GD	046	4/22	4,79	
pH 4.0 value after calibration:		·		38.2	4.03	
pH 4.0 mV (range is 130 to 230 mV):			4 N. A		125.3	
Note: Span between ph 4 and 7, and 7 and 10 should be between DXIDATION/REDUCTION POTENTIAL () 180 mV				
Calibration Temperature (°C):		41 403	\ Fo. e	1/21		
Theoretical Calibration standard (mV)	0.231+	0+ 0C1 0.0013(25-T)		(T is Temperature °C)	394	
Reading before calibration (mV):	0.231	0.0015(25 1)	A 1000 III v	(1 is reinperature C)	162,0	
Reading after calibration (mV):			***************************************			
Note: mV theory will change with temperature	go colo	ulata bagad or	Troug ourgest	toma	202	
TURBIDITY Note: Lens wiper should be parked 180	degrees	from the optics.	i your current	temp.		
20 NTU Turbidity Standard Lot A9254			Before Ca	1: After Cal:	119.4	
100 NTU Turbidity Standard Lot A 921		120	Before Ca		the second second	
ROONTU Turbidity Standard Lot A 924	· ' '	/~0 -/23	Before Ca			
NTU Turbidity Check STD Lat A92		120	Before Ca		and the second	9.77
201 NTU Turbidity Check STD Lot Aco		122	Before Ca		Marie Carlos Michigan Company (1997)	{ e
CALIBRATION SUCCESSFUL?	***************************************			- 22001 - 0411		
				·		

Date: 8/26/20
Time: 0500
Prepared By: Danel Howard Checked By:____

Wood. Project No. 6122160170.2002 Pine Sonde ID: A 04725
Pine Handset ID: 369956
Battery Voltage %: 50

	3RATION	PRIOR TO	SAMPLING	J		
DISSOLVED OXYGEN (DO)			-			VALUE
Was DO membrane changed?	Yes	No_1/	Date:	Time:		
Current Air Temperature °C (meter reading):						24.9
Current Barometric Pressure (from Weather						
Channel or NOAA.gov, which is corrected to						
sea level):						
Elevation Corrected Barometric Pressure to					mm Hg for every	/
enter into YSI DO calibration:	100 ft. ab	ove sea level:	565/100 x 2.	54 = 14.4 mm	Hg	755.4
Theoretical DO (mg/L) from DO table based						
on current temperature and elevation corrected						
pressure:	1					
DO concentration before Calibration (mg/L):	Dependi	ng on meter	version, this	may not be	available.	done.
DO concentration after Calibration (mg/L):						8.08
% Recovery (actual/theory x 100)		90 to 110%				98.2
DO Charge (DO ch):		ole Range is 2				,
DO Gain (should be between -0.7 and 1.5):	Exit Cal	ibration men	u and go to	Advanced/Ca	ıl Constants	1.0198
Note:						
CONDUCTIVITY [Note: Calibrate before pH to av					ive)]	
Calibration standard used (mS/cm)	<u></u>	100 to.	=438	05/2/		1.413
Temperature (°C)						26.0
Reading before Calibration (mS/cm)						1.386
Reading AFTER Calibration (mS/cm)						1.413
Conductivity Cell Constant (unitless):						1.0195
Note: Be sure conductivity cell is submerged and free of bubl	oles (gently t	ap sonde on table	e)			
pH						
pH 7.0 value before calibration:	L	0-1 96	K721	11/21		7.81
pH 7.0 value after calibration:					26.00	7,00
pH 7.0 mV (range is -50 to +50 mV):						-48.0
pH 10 value before calibration:	L	st 961	L 648	12/21		10,73
pH 10 value after calibration:				-	26.1°C	10.00
pH 10 mV (range is -130 to -230 mV):						-219.8
pH 4.0 value before calibration:		0+063	046	4/22		4.93
pH 4.0 value after calibration:				7	26.4°C	4.00
pH 4.0 mV (range is 130 to 230 mV):						121.9
Note: Span between ph 4 and 7, and 7 and 10 should be betw		80 mV				
OXIDATION/REDUCTION POTENTIAL (ORP)					
Calibration Temperature (°C):	1_	.ot OG	D520	1/21		126.4
Theoretical Calibration standard (mV)	0.231+0.	0013(25-T) x	1000 = mV	/ (T is Tem	perature °C)	227
Reading before calibration (mV):			· · · · · · · · · · · · · · · · · · ·	***************************************		183.1
Reading after calibration (mV):						227
Note: mV theory will change with temperature	, so calcul	late based on	your curren	it temp.	1174	
TURBIDITY Note: Lens wiper should be parked 186	degrees fr	om the optics.				
20 NTU Turbidity Standard L. 7 A925	4 12/	<u>.</u>	Before C	al:	After Cal:	20.2
100 NTU Turbidity Standard Lot A 921.	3 11/2		Before C		After Cal:	101
800 NTU Turbidity Standard Lot 1921	11 12/	2 14	Before C		After Cal:	8/3
10 NTU Turbidity Check STD L o + A92	43 11/	20	Before C		After Cal:	9.92
101 NTU Turbidity Check STD Lot Ao	037 9	122	Before C		After Cal:	0.74
CALIBRATION SUCCESSFUL?						···
					<u> </u>	<u> </u>

Location/Identification 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) 2 Protective Casing 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? 3 Surface pad a Is the well pad in good condition (not cracked or broken)? b Is the well pad in complete contact with 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)? 4 Internal casing 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 ballers)? c Is the well property vented for equilibration of air pressure? d Is the survey point clearly marked on the inner casing? 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) 5 Sampling: Groundwater Wells Only: a Does well recharge adequately when purged?			_	Plant Mitchell	Name
1 Location/Identification 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) 2 Protective Casing 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? 3 Surface pad 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 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)? 4 Internal casing 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 ballers)? c Is the well properly vented for equillibration 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) 5 Sampling: Groundwater Wells Only: a Does well recharge adequately when purged?			-		
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Is the well visible and accessible?	n/a	No	- Yes No	96/25/2628	-
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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) 2 Protective Casing 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? 3 Surface pad a Is the well pad in good condition (not cracked or broken)? b 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)? 4 Internal casing 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) 5 Sampling: Groundwater Wells Only: a Does well recharge adequately when purged?			/	s the well visible and accessible?	а
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nit Number	N/A	_			
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	00105/0000	_ Yes	No	n/a	
1 Location	/Identification	,	• • • •		
а	Is the well visible and accessible?				
b	Is the well properly identified with the correct well ID?				
С	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></u>			
2 Protectiv	re Casing				
а	Is the protective casing free from apparent damage and able to be secured?				
b	Is the casing free of degradation or deterioration?	J			
С	Does the casing have a functioning weep hole?	$\overline{}$			
d	Is the annular space between casings clear of debris and water,				
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o 1) achieve the objectives of the Groundwater ogram and 2) comply with the applicable regulato	ory		-
	aken apart by hand due to lack of grout or use of construction) Wells Only: Charge adequately when purged? Exampling equipment installed, is it in good condition in the approved groundwater plan for the facility of the redevelopment (low flow, turbid)? I require redevelopment (low flow, turbid)? The ponal judgement, is the well construction / location to 1) achieve the objectives of the Groundwater	stable? (or does the pvc move easily when touched aken apart by hand due to lack of grout or use of slip construction) Wells Only: Charge adequately when purged? Exampling equipment installed, is it in good condition in the approved groundwater plan for the facility? I require redevelopment (low flow, turbid)? I require redevelopment, is the well construction / location of 1) achieve the objectives of the Groundwater regram and 2) comply with the applicable regulatory	stable? (or does the pvc move easily when touched aken apart by hand due to lack of grout or use of slip construction) Wells Only: Charge adequately when purged? Exampling equipment installed, is it in good condition in the approved groundwater plan for the facility? I require redevelopment (low flow, turbid)? I require redevelopment, is the well construction / location of 1) achieve the objectives of the Groundwater regram and 2) comply with the applicable regulatory?

Name	Plant Mitchell			
nit Number	N/A	_		
ID :	MW-115 08/25/2020	-		
,	08/20/2020	- Yes	No	n/a
1 <u>Locatio</u>	n/ldentification			
а	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?		<u></u>	
С	is the well in a high traffic area and does the well require		***************************************	
d	protection from traffic? Is the drainage around the well acceptable? (no standing water,			
u	nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	\checkmark		
b	Is the casing free of degradation or deterioration?			
c	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	<u>pad</u>			-
а	Is the well pad in good condition (not cracked or broken)?	. /		
b	Is the well pad sloped away from the protective casing?			
Ċ	Is the well pad in complete contact with the protective casing?		-	
ď	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)	/		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal of				-
а	-			
b	Does the cap prevent entry of foreign material into the well?			
•	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
C	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?		············	
е	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)			
5 <u>Sampling</u>	: Groundwater Wells Only:			,
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	e actions as needed, by date:			
Dell	needs ID tag.			

Name	Plant Mitchell			
nit Number	N/A			
fD .	MW-116			
	08/25/2020	_ Yes	No	n la
1 Location	n/Identification	169	NO	n/a
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?	/		
С	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)	_/		
2 Protectiv	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	1		
b	Is the casing free of degradation or deterioration?	1		
С	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,			
е	or filled with pea gravel/sand?			
-	Is the well locked and is the lock in good condition?			
3 <u>Surface</u> p	<u>oad</u>	1		
a	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	<i>J</i>	Affilia de la companya prograda	
c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does	<u>/</u>	Mayorina de la constanta de la constanta de la constanta de la constanta de la constanta de la constanta de la	Mathematical
0	not move when stepped on)		***************************************	
е .	Is the pad surface clean (not covered with sediment or debris)?		, , , , , , , , , , , , , , , , , , ,	
4 Internal c	asing			
а	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)?	/		
С	Is the well properly vented for equilibration of air pressure?	1		
d				
	Is the survey point clearly marked on the inner casing?			
e f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched	<u> </u>	P1	
	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)			Miles diament Walnuts
-	: Groundwater Wells Only: Does well recharge adequately when purged?			,
a b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?		***************************************	<u></u>
С	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?	<u> </u>		
	actions as needed, by date:			

Name	Plant Mitchell			
nit Number ID	N/A			
	PZ-01R 08/25/2020	-		
		Yes	No	n/a
	/Identification	,		
a	Is the well visible and accessible?		 	
b	Is the well properly identified with the correct well ID?			*
С	Is the well in a high traffic area and does the well require protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protectiv	e Casing			
а	Is the protective casing free from apparent damage and able to be secured?			/
b	Is the casing free of degradation or deterioration?			. /
С	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?			_
е	Is the well locked and is the lock in good condition?			
3 Surface	nad			
a	Is the well pad in good condition (not cracked or broken)?			·
b	Is the well pad sloped away from the protective casing?			
С	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)	- \ 		<u> </u>
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal o	easing			
a		/		
b	Does the cap prevent entry of foreign material into the well?			
	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	_		
С	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?			
е	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)	/		
5 Sampling	: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
o 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?			
	e actions as needed, by date:	· · · · · · · · · · · · · · · · · · ·		

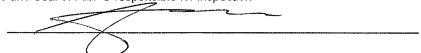
Name	Plant Mitchell			
nit Number	N/A	- -		
ID	PZ-02R 08/25/2020	-		
	08(08(0808	Yes	No	n/a
1 Location	/Identification			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require protection from traffic?	<u> </u>		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protectiv				
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			_/
С	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?			✓
е	Is the well locked and is the lock in good condition?			
3 Surface r	and a	-	h	
a <u>ourrace r</u>				
b	Is the well pad in good condition (not cracked or broken)?			
С	Is the well pad sloped away from the protective casing?			
d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
1 lutamal a		-		
4 <u>Internal c</u> a	asing			
	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?			
е	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)			
5 <u>Sampling</u>	: Groundwater Wells Only:			_
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?			(
С	Does the well require redevelopment (low flow, turbid)?			$\frac{}{}$
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?	_		
	requirements?	<u> </u>		

Name	Plant Mitchell			
rmit Number	N/A			
IID	P7-03R			
te	08/25/2020	Yes	No	n/a
	n/Identification		140	11/4
a	Is the well visible and accessible?	<u> </u>		
b	Is the well properly identified with the correct well ID?	<u> </u>		Manage -
С	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)			
2 Protectiv	<u>ve Casing</u>			
а	Is the protective casing free from apparent damage and able to be secured?			/
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
0.0.1	•			
3 <u>Surface</u> a				_
b	Is the well pad in good condition (not cracked or broken)?			
	Is the well pad sloped away from the protective casing?			_/
c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does			
e	not move when stepped on)			
J	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal of	casing			
a	Does the cap prevent entry of foreign material into the well?			P
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	0		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	/	·	
е	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)	-		
5 <u>Sampling</u>	g: Groundwater Wells Only:			_
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			<u>~</u>
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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 Correctiv	e actions as needed, by date:			

lame	Plant Mitchell			
nit Number I ID e	P7-17 08/24/2020			
		Yes	No	n/a
	n/Identification			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	~		
b	Is the casing free of degradation or deterioration?	~		
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface	<u>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?			
С	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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal</u>				
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from			
С	foreign objects (such as bailers)?			
	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	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)			
5 <u>Samplin</u>	g: Groundwater Wells Only:	***************************************		
a	Does well recharge adequately when purged?			<u>~</u>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			/
С	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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?	~		
	·			

Signature and Seal of PE/PG responsible for inspection

Site



Name	Plant Mitchell	_		
it Number	N/A	•		
ID	P7-2D 08/24/2020	-		
	08/14/1000	Yes	No	n/a
1 Location	n/Identification			
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?			
С	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)		l	
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	/		
С	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?			<u> </u>
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	./		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?			
d	Is the well pad in complete contact with the protective casing? 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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	·			
a <u>internar t</u>		,		
	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)?			
С	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?			
е	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)			
5 Sampline	g: Groundwater Wells Only:			
a <u>Sampling</u>	Does well recharge adequately when purged?	•		W
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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?	_/		

Name	Plant Mitchell			
mit Number	N/A P3-25			
ID				
	08/24/2020	Yes	No	n/a
1 Location	/Identification	103	110	IIIa
а	Is the well visible and accessible?	~		
b	Is the well properly identified with the correct well ID?	V		
С	Is the well in a high traffic area and does the well require protection from traffic?	<u> </u>		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u> </u>		
2 Protectiv	<u>re Casing</u>			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	V		
С	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?	~		
е	Is the well locked and is the lock in good condition?			-
3 Surface				
3 <u>Surface</u> a				
b	Is the well pad in good condition (not cracked or broken)?			
С	Is the well pad sloped away from the protective casing?			
d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 (-4		<u> </u>		-
4 <u>Internal c</u> a	casing	,		
	Does the cap prevent entry of foreign material into the well?	\preceq		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?			
С	Is the well properly vented for equilibration of air pressure?	V		
d	Is the survey point clearly marked on the inner casing?	<u> </u>		
е	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	M		
	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	√		
	,			
-	<u>r: Groundwater Wells Only:</u> Does well recharge adequately when purged?			٠
a b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?		V	<u> </u>
С	Does the well require redevelopment (low flow, turbid)?			$\overline{}$
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?	<u> </u>		
	e actions as needed, by date:			

Name	Plant Mitchell			
nit Number	N/A	•		
I ID	P7-3D			
9	08/25/2020	Yes	No	n/a
1 Location	/Identification	103	110	11/4
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protectiv	re Casing			
а	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?	$\overline{\mathcal{I}}$		
С	Does the casing have a functioning weep hole?	$\overline{}$		
d				
	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	ls the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?			
d	Is the well pad in complete contact with the protective casing? 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)	_ `		
е	Is the pad surface clean (not covered with sediment or debris)?			
4.1.1	,			
4 <u>Internal c</u> a	casing			
а	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?	1		
d	Is the survey point clearly marked on the inner casing?			
е	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)	/		
	: Groundwater Wells Only:			,
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			
~	and specified in the approved groundwater plan for the facility?			
С	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?	<u> </u>		
7 Corrective	e actions as needed, by date:			
Vese	formen overgrown around well po	ad		

ite Name	Plant Mitchell	_		
ermit Number	N/A	-		
/ell ID ate	08/26/2020	-		
11.0	08/06/000	Yes	No	n/a
1 <u>Location</u>	/Identification	1		
а	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)			
2 <u>Protectiv</u> a	<u>e Casing</u> Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?			
С	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?	1		
е	Is the well locked and is the lock in good condition?			
3 Surface r	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	\mathcal{J}	***************************************	**************************************
С	Is the well pad in complete contact with the protective casing?	$\overline{\mathcal{I}}$		
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)?	1		
4 Internal c		······		
a a		/		
b	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)?			MEASSACA
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	J		
е	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)	1		
5 <u>Sampling</u>	: Groundwater Wells Only:			/
a	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			
b	and specified in the approved groundwater plan for the facility?			
С	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	e actions as needed, by date: fortron oversown around well			

Name	Plant Mitchell	_		
nit Number	N/A	-		
ID	Pt-65	-		
	88/28/2020	Yes	No	n/a
1 Location	/Identification	. ••		
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protectiv	<u>re Casing</u>			
а	Is the protective casing free from apparent damage and able to be secured?	1		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?			
d	Is the annular space between casings clear of debris and water,		-	
0	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?	<u> </u>		
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?	J		
С	Is the well pad in complete contact with the protective casing?	-		
d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?	ノ		
4 Internal of	casing			
а	Does the cap prevent entry of foreign material into the well?			
b	Is the casing free of kinks or bends, or any obstructions from			
C	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?			
е	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)			
5 Sampling	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			. /
0	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
С	Does the well require receive topinient (low flow, turbid)?	 -		
6 Based or	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?	/		
	ioquiionionio	-		
7 Correctiv	e actions as needed, by date:			



Number	Plant Mitchell N/A	-		
)	PZ-70	-		
	08/25/2020	•		,
1 <u>Location</u>	n/Identification	Yes	No	n/a
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	$\overline{\mathcal{J}}$		
С	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?			
е	Is the well locked and is the lock in good condition?			
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3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?		,	
b	Is the well pad sloped away from the protective casing?	1		
С	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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?	/		
411				
4 <u>Internal</u> a	casing			
а	Does the cap prevent entry of foreign material into the well?	<u> </u>		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	1		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	· · · · · · · · · · · · · · · · · · ·			
	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)	/		
5 <u>S</u> amplin	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			_/
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			-
6 Based o	n 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?	/		
	ve actions as needed, by date:			



Name	Plant Mitchell	_		
nit Number	N/A	•		
ID	17~8D	-		
	08/25/2020	Yes	No	n/a
1 Location	/Identification	. 00		
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?	_/		
С	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)			
2 Protectiv	e Casing			
a	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
0.0 .r				
3 <u>Surface r</u> a		_		
b	Is the well pad in good condition (not cracked or broken)?			
	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? 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)	/		***************************************
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal c	asing			
а				
b	Does the cap prevent entry of foreign material into the well?			
	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?			
е	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)			
5 <u>Sampling</u>	: Groundwater Wells Only:			
a	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			<u> </u>
b	and specified in the approved groundwater plan for the facility?			\checkmark
С	Does the well require redevelopment (low flow, turbid)?			$\overline{}$
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?	~		
	e actions as needed, by date:			



ame	Plant Mitchell			
Number	N/A	-		
)	0872572020	-	,	
	The state of the s	Yes	No	n/a
	dentification			•
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?		***	
С	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)			
2 Protective	<u>Casing</u>			
а	Is the protective casing free from apparent damage and able to be secured?		- Annual Control	
b	is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface p	ad.			
a	ls the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?	-		
d	Is the well pad in complete contact with the protective casing? 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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?	-		-
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4 Internal ca	asing	,		•
	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)?			
С	Is the well properly vented for equilibration of air pressure?).		
d				***************************************
е	Is the survey point clearly marked on the inner casing?	7		
	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched			
f	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)			
5 Samplina:	Groundwater Wells Only:			
а	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)?			
•	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?			P
	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory			

Plant Mitchell			
N/A	_		
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98/25/25/2020	- Vac	No	n/a
<u>Identification</u>	163	NO	II/a
Is the well visible and accessible?			
Is the well properly identified with the correct well ID?	/		
Is the well in a high traffic area and does the well require	- ,		
nor is well located in obvious drainage flow path)			
e Casing			
Is the protective casing free from apparent damage and able to be secured?	/		
Is the casing free of degradation or deterioration?			
Does the casing have a functioning weep hole?			
Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
Is the well locked and is the lock in good condition?			
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stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	/		
Is the pad surface clean (not covered with sediment or debris)?			
asing			
Does the cap prevent entry of foreign material into the well?	/		
	/		
is the survey point clearly marked on the inner casing?			
Is the depth of the well consistent with the original well log?			
couplings in construction)	/		
Groundwater Wells Only:			
Does well recharge adequately when purged?			
Does the well require redevelopment (low flow, turbid)?			$\overline{\mathcal{L}}$
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?			
	Identification Is the well visible and accessible? Is the well properly identified with the correct well ID? Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require protection from traffic? Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path) Casing Is the protective casing free from apparent damage and able to be secured? Is the casing free of degradation or deterioration? Does the casing have a functioning weep hole? Is the annular space between casings clear of debris and water, or filled with pea gravel/sand? Is the well locked and is the lock in good condition? add Is the well pad in good condition (not cracked or broken)? Is the well pad in complete contact with the protective casing? 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) Is the pad surface clean (not covered with sediment or debris)? asing Does the cap prevent entry of foreign material into the well? Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)? Is the well properly vented for equilibration of air pressure? Is the easing 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) Groundwater Wells Only: Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)? your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater	Identification Is the well visible and accessible? Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require protection from traffic? Is the well acceptable? (no standing water, nor is well located in obvious drainage flow path) Casing Is the protective casing free from apparent damage and able to be secured? Is the casing free of degradation or deterioration? Does the casing have a functioning weep hole? Is the annular space between casings clear of debris and water, or filled with pea gravel/sand? Is the well locked and is the lock in good condition? Is the well pad in good condition (not cracked or broken)? Is the well pad in complete contact with the protective casing? 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) Is the pad surface clean (not covered with sediment or debris)? Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)? Is the well properly vented for equilibration of air pressure? Is the survey point clearly marked on the inner casing? Is the depth of the well consistent with the original well log? Is the acsing 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) Groundwater Wells Only: Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)? 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	N/A Structure N/A Stru



Name	Plant Mitchell	_		
it Number ID	PZ+115	-		
10	(N + 1 (-	-		
41. 0. 1		Yes	No	n/a
1 <u>Location</u> a	/Identification		_	
b	Is the well visible and accessible?			
	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require	<u>~</u>		
С	protection from traffic?	/		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	·/		
2 Protectiv	re Casing			
а	Is the protective casing free from apparent damage and able to be secured?	v	y 	
b	Is the casing free of degradation or deterioration?			
С	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?	/		
е	Is the well locked and is the lock in good condition?			
3 Curfore	·			
3 <u>Surface</u> a				
b	Is the well pad in good condition (not cracked or broken)?			
С	Is the well pad sloped away from the protective casing?			
d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and			
u	stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	/		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	·			
4 <u>Internal c</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)?			
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?			
е	Is the depth of the well consistent with the original well log?	ノ		
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)	•/		
5 Complian			-	
a <u>Sampling</u>	: Groundwater Wells Only: Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			<u></u>
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			4
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	e actions as needed, by date:			

lame	Plant Mitchell	_		
it Number	N/A	_		
D	P7-125	_		
	08/25/2020	Yes No	No	n/a
	/Identification	100	110	ma
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	5		
С	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)			
2 Protective	<u>e Casing</u>			
а	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?	$\overline{\mathcal{I}}$		
С	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?	<u> </u>		
е	Is the well locked and is the lock in good condition?			
	, and the second			
3 Surface p				
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal c</u>	asing			
а	Does the cap prevent entry of foreign material into the well?			
b	Is the casing free of kinks or bends, or any obstructions from			MANUSCO VICTORIA
С	foreign objects (such as bailers)?			
_	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	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)			
5 Sampling	Groundwater Wells Only:			,
a	Does well recharge adequately when purged?			V
b	If dedicated sampling equipment installed, is it in good condition			
0	and specified in the approved groundwater plan for the facility?			<u></u>
С	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?			

Name	Plant Mitchell			
nit Number	N/A			
ID	Pt-14	-		
)	08/25/2020	- Yes	No	n/a
1 Location	<u>/Identification</u>	103	110	117 a
а	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?			
С	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>~</u>		
2 <u>Protectiv</u> a	<u>re Casing</u> Is the protective casing free from apparent damage and able to be secured?	<u> </u>		
b	Is the casing free of degradation or deterioration?		•	
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	٠,		
b	Is the well pad sloped away from the protective casing?	<u> </u>	***************************************	
С	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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?	<u></u>		
4 Internal o	easing			
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			
С	foreign objects (such as bailers)?			
	Is the well properly vented for equilibration of air pressure?	<u> </u>		
d -	Is the survey point clearly marked on the inner casing?	<u> </u>		
e f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched	<u>×</u>		<u> </u>
	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<u>/</u>		····
5 Sampling	: Groundwater Wells Only:			
а	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?			/
С	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?	<u> </u>		

Name	Plant Mitchell	_		
nit Number ID	N/A	-		
טו	08/05/2020	-		
	00/00//000	Yes	No	n/a
	<u>dentification</u>			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require			
d	protection from traffic? Is the drainage around the well acceptable? (no standing water,			
u	nor is well located in obvious drainage flow path)			
2 Protective				
а	Is the protective casing free from apparent damage and able to be secured?	<u></u>		
b	Is the casing free of degradation or deterioration?	/		
С	Does the casing have a functioning weep hole?	$\overline{}$		-
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			***************************************
е	Is the well locked and is the lock in good condition?		H-1	
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3 Surface pa	<u>ad</u>	,		
a	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal ca	,		**************************************	
а		/		
	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)?			
С	Is the well properly vented for equilibration of air pressure?	1		
d				
	Is the survey point clearly marked on the inner casing?			
	Is the depth of the well consistent with the original well log?			
	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)	\checkmark		
	, ,			
	<u>Groundwater Wells Only:</u> Does well recharge adequately when purged?			/
	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			1.
C	Does the well require redevelopment (low flow, turbid)?			
	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?	_		
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Name	Plant Mitchell	_		
nit Number ID	N/A	-		
טו	PZ-16 08/25/2020	•		
	• 1	Yes	No	n/a
	/Identification			
a	Is the well visible and accessible?	<u> </u>		
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)			
2 Protectiv				
а	Is the protective casing free from apparent damage and able to be secured?	<u> </u>		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
2 Cumfa	U			
3 <u>Surface</u> a				
b	Is the well pad in good condition (not cracked or broken)?	<u></u>		
	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal c</u> a	casing			
	Does the cap prevent entry of foreign material into the well?	<u> </u>		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	~		
С	Is the well properly vented for equilibration of air pressure?	. /		
d				
е	Is the survey point clearly marked on the inner casing?			
f	Is the depth of the well consistent with the original well log? 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			<u> </u>
	couplings in construction)			
5 Sampling	g: Groundwater Wells Only:			
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			<u>~</u>
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
	,			
6 Based or	n 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?	,		
	requirements:			

Name	Plant Mitchell			
nit Number	N/A	_		
I ID e	17-17-	_		
7	08/15/2020	Yes	No	n/a
1 Location	/Identification		-	
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	/	-	
С	Is the well in a high traffic area and does the well require protection from traffic?	V	•	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	_/		
2 Protectiv				
а	Is the protective casing free from apparent damage and able to be secured?	V		
b	Is the casing free of degradation or deterioration?			
С	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?	1		
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	\mathcal{I}		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?			
d	Is the well pad in complete contact with the protective casing? 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)	_ _		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal c</u>				
a a		. /	_	
b	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)?	<u></u>		
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
d	Is the survey point clearly marked on the inner casing?			
e f	Is the depth of the well consistent with the original well log? 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> </u>
5 Sampling	: Groundwater Wells Only:			
a <u>oumpling</u>	Does well recharge adequately when purged?			/
b	If dedicated sampling equipment installed, is it in good condition			
C	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			$\stackrel{\smile}{\longrightarrow}$
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	e actions as needed, by date:			
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Name	Plant Mitchell			
nit Number	N/A	_		
ID	PZ+18	-		
	08/15/2020	Yes	No	n/a
1 Location	/Identification	res	NO	n/a
a	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?	$\overline{}$		
С	Is the well in a high traffic area and does the well require			
_	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protectiv	e Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	$\overline{\mathcal{J}}$		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?	J		
2 Curface r	_			
3 <u>Surface r</u> a		/		
b	Is the well pad in good condition (not cracked or broken)?			
	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? 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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal c	asing			
a		. /		
b	Does the cap prevent entry of foreign material into the well?			
	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	/		
С	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?			
е				
f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched			<u>~</u>
ı	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	<u>/</u>		
5 Samolina	: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			/
b	If dedicated sampling equipment installed, is it in good condition			
0	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
С	2000 the well require redevelopment (low flow, turbia)?			
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?			
	•			

Name	Plant Mitchell			
it Number ID	N/A P7-19	-		
טו	08/25/2020	•		
		Yes	No	n/a
•	/Identification			
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	V		
С	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)			
2 <u>Protectiv</u> a	e Casing Is the protective casing free from apparent damage and able to be secured?	✓		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	ls the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?			
С	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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal c</u>	asing			
а	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)?			
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	<u> </u>	<u></u>	
e f	Is the depth of the well consistent with the original well log? 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></u>
5 Sampling	: Groundwater Wells Only:		***************************************	
а	Does well recharge adequately when purged?			$\underline{\hspace{1cm}}$
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			1/
С	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	e actions as needed, by date:			

Name	Plant Mitchell	_		
nit Number I ID	N/A	-		
םו ו	08/25/20 20	-		
		Yes	No	n/a
1 <u>Location</u> a	(Identification			
	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require		-	
С	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u>/</u>		
2 Protective				
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	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?	1		
е	Is the well locked and is the lock in good condition?			
3 Surface p	nad			
a	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?		-	
4 <u>Internal c</u>	asing			
a a		/		
b	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)?	<i>J</i>		
С	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?	7		
е	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)	/		
5 Sampling	: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			<i></i>
b	If dedicated sampling equipment installed, is it in good condition			
С	and specified in the approved groundwater plan for the facility? 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?			
·	e actions as needed, by date:			

Name	Plant Mitchell	_		
nit Number	N/A	_		
I ID	08/15/2020	-		
,	00/03/000	Yes No	No	n/a
1 Location	n/Identification			
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	7	,	
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	/,		
b	Is the well pad sloped away from the protective casing?			
С	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)			
е	ls the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
a				
b	Does the cap prevent entry of foreign material into the well?			
	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?			
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	<u></u>		
е	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)	/		
F. O 10	,			
a <u>Sampling</u>	g: Groundwater Wells Only: Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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?			December 1 Save
7 Correctiv	e actions as needed, by date:			
, conecuv	o aonono do nocueu, by date.			

Name	Plant Mitchell	_		
nit Number ID	N/A P2-22	-		
10	08/25/2020	•		
		Yes	No	n/a
	<u>Identification</u>			
a	is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	_/		
С	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)			
2 Protective	e Casing			
а	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?			
d	Is the annular space between casings clear of debris and water,			
0	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface p	p <u>ad</u>			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	·			
d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			N
4 <u>Internal c</u>		<u>, </u>		
a a	asing	,		
	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)?			
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е				
f	Is the depth of the well consistent with the original well log? 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)	/		
5 Sampling	Groundwater Wells Only:			
a <u>Samping</u>	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?		· · · · · · · · · · · · · · · · · · ·	
С	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?	/		
	e actions as needed, by date:			

Site Name	Plant Mitchell			
Permit Number	N/A	_		
Well ID Date	PZ-23/A 08/25/2020	_		
Date	00 (00) (00 00	_ Yes	No	n/a
1 Locatio	n/Identification			
a	Is the well visible and accessible?	<u>~</u>		
b	Is the well properly identified with the correct well ID?	/		
С	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)			
2 Protect	ive Casing			
a	Is the protective casing free from apparent damage and able to be secured?	_		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?			<u></u>
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	/		
е	Is the well locked and is the lock in good condition?	<u></u>		
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	-		
b	Is the well pad sloped away from the protective casing?	/		
С	Is the well pad in complete contact with the protective casing?	~		100 mm
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)	~		
е	Is the pad surface clean (not covered with sediment or debris)?			1
4 link-iin-l	,			
4 <u>Internal</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)?			
С	Is the well properly vented for equilibration of air pressure?	/		
d				
е	Is the survey point clearly marked on the inner casing?			
	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched			
f	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	<u></u>		
5 Samplir	ng: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
6 Based o	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?	<u> </u>		
7 Correcti	ve actions as needed, by date: has been excavated around me	11 a	reg.	(to the east)
Jun	reg point added to well carry.			*
Signature and Sea	al of PE/PG responsible for inspection			

Name	Plant Mitchell			
mit Number	N/A	•		
IID ∍	PENA			
J		Yes	No	n/a
1 Location	<u>/Identification</u>			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			h
2 <u>Protectiv</u> a	e Casing Is the protective casing free from apparent damage and able to	/		
	be secured?	<u> </u>		
b	Is the casing free of degradation or deterioration?			
С	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?	· 		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface p</u>	nad			<u>,</u>
a	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?			
С	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)			1
е	Is the pad surface clean (not covered with sediment or debris)?	-		
				
4 <u>Internal c</u>	asing			
а	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)?	/		
С	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?	<u> </u>		P
е	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>×</u>		
а	: <u>Groundwater Wells Only:</u> Does well recharge adequately when purged?		h	
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			<u> </u>
С				
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?	/		

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filled with pea gravel/sand? he well locked and is the lock in good condition? he well pad in good condition (not cracked or broken)? he well pad sloped away from the protective casing? he well pad in complete contact with the protective casing? he well pad in complete contact with the ground surface and	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		
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he well pad sloped away from the protective casing? he well pad in complete contact with the protective casing? he well pad in complete contact with the ground surface and	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
he well pad sloped away from the protective casing? he well pad in complete contact with the protective casing? he well pad in complete contact with the ground surface and	V V		
he well pad in complete contact with the protective casing? he well pad in complete contact with the ground surface and	V 4		
he well pad in complete contact with the ground surface and	~		
ble? (not undermined by erosion, animal burrows, and does move when stepped on)	_		
he pad surface clean (not covered with sediment or debris)?			
es the cap prevent entry of foreign material into the well?	/		
he casing free of kinks or bends, or any obstructions from eign objects (such as bailers)?			
	<u></u>		
ne depth of the well consistent with the original well log? The casing stable? (or does the pvc move easily when touched can it be taken apart by hand due to lack of grout or use of slip plings in construction)	<u></u>		
oundwater Wells Only:			
es well recharge adequately when purged?			$\overline{}$
es the well require redevelopment (low flow, turbid)?			
professional judgement, is the well construction / location ropriate to 1) achieve the objectives of the Groundwater	<u> </u>		
ei h h hair wee e r	e well properly vented for equilibration of air pressure? e survey point clearly marked on the inner casing? e depth of the well consistent with the original well log? e casing stable? (or does the pvc move easily when touched an it be taken apart by hand due to lack of grout or use of slip blings in construction) undwater Wells Only: s well recharge adequately when purged? dicated sampling equipment installed, is it in good condition specified in the approved groundwater plan for the facility? Is the well require redevelopment (low flow, turbid)? professional judgement, is the well construction / location opriate to 1) achieve the objectives of the Groundwater intoring Program and 2) comply with the applicable regulatory	e well properly vented for equilibration of air pressure? e survey point clearly marked on the inner casing? e depth of the well consistent with the original well log? e casing stable? (or does the pvc move easily when touched an it be taken apart by hand due to lack of grout or use of slip olings in construction) undwater Wells Only: s well recharge adequately when purged? dicated sampling equipment installed, is it in good condition specified in the approved groundwater plan for the facility? s the well require redevelopment (low flow, turbid)? professional judgement, is the well construction / location opriate to 1) achieve the objectives of the Groundwater	e well properly vented for equilibration of air pressure? e survey point clearly marked on the inner casing? e depth of the well consistent with the original well log? e casing stable? (or does the pvc move easily when touched an it be taken apart by hand due to lack of grout or use of slip olings in construction) undwater Wells Only: s well recharge adequately when purged? dicated sampling equipment installed, is it in good condition specified in the approved groundwater plan for the facility? s the well require redevelopment (low flow, turbid)? professional judgement, is the well construction / location opriate to 1) achieve the objectives of the Groundwater itoring Program and 2) comply with the applicable regulatory

Name	Plant Mitchell			
nit Number	N/A	.		
ID	92-26	_		
	08/26/2020	Yes	No	n/a
1 Location/	Identification	163	140	ma
а	Is the well visible and accessible?		<u> </u>	
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require		,	
d	protection from traffic? Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)			
2 Protective				
а	Is the protective casing free from apparent damage and able to be secured?	1		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface p			ж	
a <u>ourrace p</u>	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad lingood condition (not cracked of bloken):			
С				
d	Is the well pad in complete contact with the protective casing? 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)	/		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal ca	asing			
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)?			
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	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)	\checkmark		
5.6 ···				
5 <u>Sampling:</u> a	Groundwater Wells Only: Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			<u>~</u>
	and specified in the approved groundwater plan for the facility?			<u> </u>
С	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?			
	actions as needed, by date:	- '		

Name	Plant Mitchell	_		
nit Number	N/A	-		
ID :	08/15/2020	•		
	(8)(8)(8)	Yes	No	n/a
	/Identification	,		
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> </u>		
2 Protectiv	<u>e Casing</u>			
a	Is the protective casing free from apparent damage and able to be secured?	\int		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?	J		
0.0	·			
3 <u>Surface </u> a		1		
b	Is the well pad in good condition (not cracked or broken)?			
C	Is the well pad sloped away from the protective casing?			
d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal o	asing			
а	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)?	/		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	/		
е	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)	/		
5 <u>Sam</u> pling	: Groundwater Wells Only:			,
а	Does well recharge adequately when purged?			<u>~</u>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			
С	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	e actions as needed, by date:			
/ COLLECTIVE	aditions as needed, by date.			

Sign

Name	Plant Mitchell	-		
nit Number	N/A			
ID	PT-18			
÷	08/25/2020	Yes	No	n/a
1 Location	/Identification	163	NO	IIIa
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?			
С	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> </u>		
2 Protectiv	re Casina			
a	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?			
d	Is the annular space between casings clear of debris and water,			
0	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	oad			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С				······
d	Is the well pad in complete contact with the protective casing? 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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal o	·			***************************************
a		/		
h	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)?	/_		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?		·	
е	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> </u>		
5 Sampling	: Groundwater Wells Only:	_		
a <u>oampiing</u>	Does well recharge adequately when purged?			/
b	If dedicated sampling equipment installed, is it in good condition			
С	and specified in the approved groundwater plan for the facility? 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?			
= 0	e actions as needed, by date:			

Name	Plant Mitchell	_		
nit Number ID	N/A N/A	-	-	
	08/25/2020	•		
4.1		Yes	No	n/a
1 <u>Location/</u> a	(Identification	./		
b	Is the well visible and accessible?	-/-		
C	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require			- <u>-</u>
	protection from traffic?			
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protective				
а	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?	<u>/</u>		
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface p	ad			
a	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?	1		
С	Is the well pad in complete contact with the protective casing?			M2
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)			
е	Is the pad surface clean (not covered with sediment or debris)?	-		
				A
4 <u>Internal c</u> a	<u>asing</u>	,		
	Does the cap prevent entry of foreign material into the well?		k	
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	/		
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?			
е	Is the depth of the well consistent with the original well log?	_/		
f	Is the depth of the well consistent with the original well log? 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)			
	Groundwater Wells Only:			/
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			
-	and specified in the approved groundwater plan for the facility?			
С	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?			
7.0	actions as needed, by date:			

Name	Plant Mitchell				
nit Number	N/A	- -			
ID	08/24/2020	-			
	00/14/6000	Yes	No	n/a	
1 Location/	Identification				
а	Is the well visible and accessible?	/			
b	Is the well properly identified with the correct well ID?	/	······································		
С	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></u>			
2 Protective	e Casing				
а	Is the protective casing free from apparent damage and able to be secured?				
b	Is the casing free of degradation or deterioration?	/			
С	Does the casing have a functioning weep hole?	J			
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<u> </u>		A	
е	Is the well locked and is the lock in good condition?				
2 C	•				
3 <u>Surface p</u> a	-	,			
b	Is the well pad in good condition (not cracked or broken)?				
	Is the well pad sloped away from the protective casing?				
c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and				
е	stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<u> </u>			
G	Is the pad surface clean (not covered with sediment or debris)?				
4 <u>Internal ca</u>	asing				
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)?	<u> </u>			
C	Is the well properly vented for equilibration of air pressure?	<u> </u>			
d	Is the survey point clearly marked on the inner casing?				
e f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched	<u></u>		<u>~</u>	
	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)				
5 Sampling:	Groundwater Wells Only:				
а	Does well recharge adequately when purged?				
b	If dedicated sampling equipment installed, is it in good condition			,	
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			<u></u>	
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?	/			
	. ogan omoritor				

Name	Plant Mitchell	_			
nit Number ID	N/A	- -			
וט	PZ-32 08/25/2020	-			
		Yes	No	n/a	
	/Identification				
a	Is the well visible and accessible?				
b ·	Is the well properly identified with the correct well ID?	<u>~</u>			
С	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)		· · · · · · · · · · · · · · · · · · ·		
2 Protectiv	<u>re Casing</u>				
а	Is the protective casing free from apparent damage and able to be secured?	<u>~</u>			
b	Is the casing free of degradation or deterioration?	~			
С	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?	~			
е	Is the well locked and is the lock in good condition?	·			
3 Surface	nad				
a	Is the well pad in good condition (not cracked or broken)?	·~			
b	Is the well pad sloped away from the protective casing?				
С	Is the well pad in complete contact with the protective casing?	<u>~</u>			
d	Is the well pad in complete contact with the ground surface and				
	stable? (not undermined by erosion, animal burrows, and does				
е	not move when stepped on)				
J	Is the pad surface clean (not covered with sediment or debris)?	<u>~</u>			
4 Internal o	easing				
а	Does the cap prevent entry of foreign material into the well?	V			
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	~			
С	Is the well properly vented for equilibration of air pressure?				
d					
е	Is the survey point clearly marked on the inner casing?				
	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)				
5 Sampling	: Groundwater Wells Only:				
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?				
С	Does the well require redevelopment (low flow, turbid)?				
	,				
o 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?				

√ame	Plant Mitchell			
it Number	N/A	•		
ID	08/25/2020			
	00/05/2820	Yes	No	n/a
1 Location	/Identification			
а	Is the well visible and accessible?		/	
b	Is the well properly identified with the correct well ID?	~		
С	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)			
2 Protectiv	e Casing			
a	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?		·	
	·			
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	<u> </u>		
b	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and	/		
u	stable? (not undermined by erosion, animal burrows, and does not move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 (m4= m= =) -				
4 <u>Internal c</u> a	asing			
	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)?	V		
С	Is the well properly vented for equilibration of air pressure?			
d			•	
	Is the survey point clearly marked on the inner casing?			
е	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)			
	couplings in construction)			
5 <u>Sampling</u>	: Groundwater Wells Only:			
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?			/
С	Does the well require redevelopment (low flow, turbid)?			
	•			
o 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?			
	•			

Date: 2020-10-06 11:57:47

Project Information:

Operator Name Ever Guillen Company Name WOOD Project Name Plant Mitchell CCR Site Name PZ-1D

0° 0' 0" Latitude 0° 0' 0" Longitude Sonde SN 613229

Turbidity Make/Model **HACH 2100Q**

Well Information:

Well ID PZ-1D Well diameter 2 in Well Total Depth 61.21 ft Screen Length 10 ft Depth to Water 50.72 ft Pump Information:

Pump Model/Type QED HDPE **Tubing Type** Tubing Diameter 0.17 in Tubing Length 61.21 ft

Pump placement from TOC

56.21 ft

Pumping Information:

Final Pumping Rate 200 mL/min Total System Volume 0.7532061 L Calculated Sample Rate 300 sec Stabilization Drawdown 0 in Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:35:04	2400.02	21.19	7.26	247.79	10.50	52.72	2.04	5.74
Last 5	11:40:04	2700.02	21.37	7.30	249.44	6.54	52.72	2.16	4.25
Last 5	11:45:04	3000.01	21.55	7.32	250.34	3.31	52.72	2.23	3.19
Last 5	11:50:04	3300.01	21.79	7.34	250.87	1.43	52.72	2.28	2.26
Last 5	11:55:04	3600.01	22.04	7.35	251.48	0.61	52.72	2.33	1.18
Variance 0			0.18	0.02	0.90			0.07	-1.06
Variance 1			0.24	0.02	0.53			0.05	-0.94
Variance 2			0.24	0.02	0.61			0.06	-1.07

Notes

Sampled at 1200

Grab Samples

Date: 2020-10-06 12:19:22

QED dedicated bladder

Project Information:

Pump Information: Operator Name Pump Model/Type Terrell Parker

Company Name Tubing Type Wood E&IS Project Name Tubing Diameter .170 in Plant Mitchell CCR Tubing Length Site Name PZ-2D 80.2 ft

0° 0' 0" Latitude 0° 0' 0" Longitude Sonde SN 541714

Turbidity Make/Model Hach 2100Q Pump placement from TOC 75.2 ft

Pumping Information: Well Information:

Final Pumping Rate 200 mL/min Well ID PZ-2D Well diameter 2 in Total System Volume 0.8379666 L Calculated Sample Rate Well Total Depth 80.42 ft 300 sec Stabilization Drawdown Screen Length 10 ft 6 in Depth to Water 33.85 ft **Total Volume Pumped** 13.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:56:07	1800.01	19.86	8.79	123.20	1.81	34.35	1.56	54.39
Last 5	12:01:07	2100.01	19.88	8.77	126.59	1.67	34.35	1.69	58.77
Last 5	12:06:07	2400.01	19.82	8.76	128.92	1.44	34.35	1.73	61.05
Last 5	12:11:07	2700.01	19.82	8.74	131.65	1.21	34.35	1.80	63.90
Last 5	12:16:07	3000.00	19.78	8.72	133.27	1.40	34.35	1.83	66.45
Variance 0			-0.05	-0.01	2.32			0.04	2.28
Variance 1			0.00	-0.02	2.73			0.07	2.86
Variance 2			-0.04	-0.02	1.62			0.03	2.55

Notes

Start purging at 11:12 Sample time:12:20

Grab Samples PZ-2D

Groundwater

Date: 2020-10-07 12:29:07

Project Information:

Operator Name Terrell Parker

Company Name Wood E&IS
Project Name Plant Mitchell CCR

Site Name PZ-7D
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 541714

Turbidity Make/Model Hach 2100Q

Well Information:

Well IDPZ-7DWell diameter2 inWell Total Depth60.37 ftScreen Length10 ftDepth to Water31.72 ft

Pump Information:

Pump Model/Type QED dedicated bladder

Tubing Type PE
Tubing Diameter .170 in
Tubing Length 60 ft

Pump placement from TOC 55.37 ft

Pumping Information:

Final Pumping Rate 250 mL/min
Total System Volume 0.7478054 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 1.32 in
Total Volume Pumped 9.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	12:05:44	900.03	21.85	7.00	553.93	1.81	32.83	0.76	107.35
Last 5	12:10:44	1200.04	21.75	6.99	555.93	1.52	32.83	0.59	110.07
Last 5	12:15:44	1500.04	21.93	6.98	556.95	0.94	32.83	0.47	111.79
Last 5	12:20:44	1800.03	21.92	6.98	554.40	1.07	32.83	0.38	113.58
Last 5	12:25:44	2100.04	22.07	6.98	554.30	1.00	32.83	0.32	114.85
Variance 0			0.18	-0.00	1.02			-0.12	1.72
Variance 1			-0.01	-0.00	-2.55			-0.10	1.79
Variance 2			0.15	-0.00	-0.09			-0.06	1.27

Notes

Start purging at 11:50. Collect GW sample at 12:30

Grab Samples PZ-7D

Groundwater

Date: 2020-10-06 11:44:20

Project Information:

Pump Information:

Pump Information:

Operator Name **Andreas Shoredits** Pump Model/Type QED Company Name Wood E&IS **Tubing Type** HDPE Project Name Tubing Diameter Plant Mitchell 0.17 in Tubing Length Site Name PZ-14 58 ft

Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533

Turbidity Make/Model Hach 2100Q Pump placement from TOC 48.20 ft

Well Information: Pumping Information:

Final Pumping Rate Well ID PZ-14 195 mL/min Well diameter 2.00 in Total System Volume 0.7388785 L Well Total Depth Calculated Sample Rate 53.20 ft 300 sec Screen Length Stabilization Drawdown 0.4 in 10 ft Depth to Water 42.27 ft **Total Volume Pumped** 4.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization	1		+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 100
Last 5	11:03:44	300.08	23.22	7.06	506.44	1.62	42.54	5.92	65.81
Last 5	11:08:44	600.02	22.23	7.03	515.69	2.25	42.57	5.52	39.52
Last 5	11:13:44	900.02	22.05	7.02	517.29	1.25	42.57	5.37	35.52
Last 5	11:18:44	1200.00	22.00	7.02	519.03	1.01	42.57	5.29	33.90
Last 5	11:23:44	1500.00	22.00	7.01	518.52	0.90	42.57	5.20	33.14
Variance 0			-0.18	-0.01	1.60			-0.15	-4.00
Variance 1			-0.04	-0.01	1.74			-0.09	-1.62
Variance 2			-0.00	-0.00	-0.51			-0.08	-0.76

Notes

Start purging well @ 11:00, stop @ 11:24; Purge rate maintained @ 195 ml/min; Collect sample @ 11:30; pH during sample collection is 7.01; Weather is overcast 72 degrees F

Grab Samples

PZ-14

Date: 2020-10-07 14:42:21

QED dedicated bladder

Project Information:

Pump Information: Operator Name Terrell Parker Pump Model/Type

Company Name Wood E&IS **Tubing Type** Project Name Tubing Diameter .170 in Plant Mitchell CCR Tubing Length Site Name PZ-15 83 ft

0° 0' 0" Latitude Longitude 0° 0' 0" Sonde SN 541714

Turbidity Make/Model Hach 2100Q Pump placement from TOC 78.2 ft

Pumping Information: Well Information:

Final Pumping Rate 250 mL/min Well ID PZ-15 Well diameter 2 in Total System Volume 0.8504641 L Calculated Sample Rate Well Total Depth 83.22 ft 300 sec Stabilization Drawdown Screen Length 10 ft 2.28 in Depth to Water 30.69 ft **Total Volume Pumped** 11.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	14:20:15	1200.04	23.68	7.11	535.86	1.34	30.88	0.25	91.92
Last 5	14:25:15	1500.04	23.75	7.11	533.03	1.54	30.88	0.21	96.66
Last 5	14:30:15	1800.04	23.54	7.11	533.00	1.70	30.88	0.19	100.12
Last 5	14:35:15	2100.04	23.64	7.11	531.91	1.55	30.88	0.18	103.13
Last 5	14:40:15	2400.03	23.62	7.11	531.30	1.51	30.88	0.17	103.62
Variance 0			-0.21	-0.00	-0.03			-0.02	3.46
Variance 1			0.10	-0.00	-1.09			-0.00	3.00
Variance 2			-0.01	-0.00	-0.61			-0.01	0.50

Notes

Started purging at 13:51 Collect GW sample at 14:45.

Grab Samples PZ-15

Groundwater

Date: 2020-10-06 17:21:43

Project Information:		Pump Information:	
Operator Name	Andreas Shoredits	Pump Model/Type	QED
Company Name	Wood E&IS	Tubing Type	HDPE
Project Name	Plant Mitchell	Tubing Diameter	0.17 in
Site Name	PZ-16	Tubing Length	58 ft

Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 642533

Turbidity Make/Model Hach 2100Q Pump placement from TOC 48.2 ft

Well Information: Pumping Information:

Final Pumping Rate 240 mL/min Well ID PZ-16 Well diameter 2.00 in Total System Volume 0.7388785 L Calculated Sample Rate Well Total Depth 53.19 ft 300 sec Screen Length 10 ft Stabilization Drawdown 0.4 in Depth to Water **Total Volume Pumped** 5.8 L 33.40 ft

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization	n		+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 100
Last 5	15:44:58	300.09	22.85	7.27	464.12	7.13	33.48	2.01	25.50
Last 5	15:49:58	600.03	22.45	7.25	464.32	3.94	33.49	1.65	23.85
Last 5	15:54:58	900.03	22.34	7.24	465.07	1.67	33.50	1.41	23.33
Last 5	15:59:58	1200.03	22.29	7.25	465.04	1.04	33.51	1.31	22.82
Last 5	16:04:58	1500.02	22.22	7.24	466.81	0.83	33.51	1.29	22.72
Variance 0			-0.10	-0.01	0.75			-0.23	-0.53
Variance 1			-0.06	0.00	-0.03			-0.10	-0.51
Variance 2			-0.07	-0.01	1.77			-0.02	-0.10

Notes

Start purging well @ 15:40, stop @ 16:05; Purge rate maintained between 200 and 240 ml/min; Collect sample @ 16:15; pH during sample collection is 7.24; Weather is overcast gusty 80 degrees F

Grab Samples

PZ-16

Date: 2020-10-07 11:10:14

Project Information:

Operator Name

Andreas Shoredits

Pump Information:

Pump Model/Type

Operator NameAndreas ShoreditsPump Model/TypeQEDCompany NameWood E&ISTubing TypeHDPEProject NamePlant MitchellTubing Diameter0.17 inSite NamePZ-17Tubing Length67 ft

Latitude 31° 26' 40.9" Longitude -84° -7' -50.9"

Sonde SN 642533

Turbidity Make/Model Hach 2100Q Pump placement from TOC 57.70 ft

Well Information: Pumping Information:

Final Pumping Rate Well ID PZ-17 290 mL/min Total System Volume 0.7790493 L Well diameter 2.00 in Calculated Sample Rate Well Total Depth 62.70 ft 300 sec Screen Length Stabilization Drawdown 0.1 in 10 ft Depth to Water 32.09 ft **Total Volume Pumped** 8.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization	า		+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 100
Last 5	10:12:50	600.02	22.09	7.04	636.21	9.60	32.21	0.51	-29.26
Last 5	10:17:50	900.01	22.27	7.04	636.39	5.37	32.22	0.19	-20.99
Last 5	10:22:50	1200.00	22.28	7.04	636.87	3.16	32.22	0.13	-16.53
Last 5	10:27:50	1500.00	22.23	7.04	638.94	2.20	32.22	0.12	-13.98
Last 5	10:32:50	1799.99	22.09	7.04	641.16	2.08	32.22	0.12	-11.82
Variance 0			0.02	-0.00	0.48			-0.06	4.46
Variance 1			-0.06	0.00	2.07			-0.01	2.55
Variance 2			-0.13	0.00	2.21			0.00	2.16

Notes

Start purging well @ 10:03, stop @ 10:32; Initial urge rate of 250 ml/min increased to 285-290 ml/min @ 10:08; Water has sulfurous odor; Collect sample @ 10:35; pH during sample collection is 7.04; Weather is early fog clearing 72 degrees F

Grab Samples

PZ-17

Date: 2020-10-07 12:41:33

Project Information:

Operator Name

Andreas Shoredits

Pump Information:

Pump Model/Type

Operator NameAndreas ShoreditsPump Model/TypeQEDCompany NameWood E&ISTubing TypeHDPEProject NamePlant MitchellTubing Diameter0.17 inSite NamePZ-18Tubing Length73 ft

Latitude 31° 26' 40.9" Longitude -84° -7' -50.9"

Sonde SN 642533

Turbidity Make/Model Hach 2100Q Pump placement from TOC 58.18 ft

Well Information: Pumping Information:

Final Pumping Rate Well ID PZ-18 220 mL/min Total System Volume Well diameter 2.00 in 0.8058299 L Well Total Depth Calculated Sample Rate 63.18 ft 300 sec Screen Length Stabilization Drawdown 10 ft 0.1 in Depth to Water 29.30 ft **Total Volume Pumped** 5.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization	1		+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 100
Last 5	11:42:03	300.04	24.43	6.99	693.27	2.80	29.37	1.47	-87.16
Last 5	11:47:03	600.03	23.44	6.92	698.82	2.78	29.38	0.31	-2.29
Last 5	11:52:03	900.02	23.26	6.92	699.59	2.01	29.39	0.36	7.27
Last 5	11:57:03	1200.02	23.29	6.92	700.02	1.44	29.39	0.31	10.72
Last 5	12:02:03	1500.02	23.26	6.91	699.65	1.33	29.39	0.22	12.46
Variance 0			-0.18	0.00	0.77			0.05	9.56
Variance 1			0.03	-0.00	0.43			-0.06	3.45
Variance 2			-0.03	-0.00	-0.37			-0.08	1.74

Notes

Start purging well @ 11:38, stop @ 12:02; Initial purge rate of 200 ml/min increased to 220-225 ml/min @ 11:43; Water has sulfurous odor; Collect sample @ 12:05; pH during sample collection is 6.91; Weather is sunny 76 degrees F

Grab Samples

PZ-18

Date: 2020-10-07 15:56:31

Project Information:

Operator Name Terrell Parker
Company Name Wood E&IS

Project Name Plant Mitchell CCR

Site Name PZ-19
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 541714

Turbidity Make/Model Hach 2100Q

Well Information:

Well IDPZ-19Well diameter2 inWell Total Depth62.63 ftScreen Length10 ftDepth to Water31.51 ft

Pump Information:

Pump Model/Type QED dedicated bladder

57.63 ft

Tubing TypePETubing Diameter.170 inTubing Length62.7 ft

Pump placement from TOC

Pumping Information:

Final Pumping Rate 250 mL/min
Total System Volume 0.7598566 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 1.2 in
Total Volume Pumped 8.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS/cmTurb NTU		DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	15:33:18	600.04	23.09	6.80	760.40	0.75	31.61	0.24	127.08
Last 5	15:38:18	900.04	22.94	6.80	761.73	0.61	31.61	0.17	129.33
Last 5	15:43:18	1200.03	22.83	6.79	765.51	0.35	31.61	0.16	130.38
Last 5	15:48:18	1500.04	22.77	6.78	772.12	0.27	31.61	0.16	131.11
Last 5	15:53:18	1800.04	22.82	6.78	773.82	0.24	31.61	0.15	131.61
Variance 0			-0.11	-0.01	3.78			-0.01	1.05
Variance 1			-0.06	-0.01	6.62			-0.00	0.73
Variance 2			0.05	-0.01	1.69			-0.01	0.50

Notes

Start purging at 15:23 Groundwater sample at 15:58.

Grab Samples PZ-19

Groundwater

FD-01

Groundwater duplicate

Date: 2020-10-06 15:02:20

Project Information: Operator Name Company Name Project Name Site Name Latitude Longitude Sonde SN	Andreas Shoredits Wood E&IS Plant Mitchell PZ-23A 0° 0' 0" 0° 0' 0" 642533	Pump Information: Pump Model/Type Tubing Type Tubing Diameter Tubing Length	QED HDPE 0.17 in 77 ft
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	62.3 ft
Well Information: Well ID Well diameter Well Total Depth Screen Length Depth to Water	PZ-23A 2.00 in 67.3 ft 10 ft 48.45 ft	Pumping Information: Final Pumping Rate Total System Volume Calculated Sample Rate Stabilization Drawdown Total Volume Pumped	185 mL/min 0.8236836 L 300 sec 0.7 in 13.4 L

Low-Flow Sar	mpling Stabiliz	ation Summary							
	Time	Elapsed	Temp C	рН	SpCond μS	/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 100
Last 5	14:03:49	3299.99	22.38	6.78	785.83	5.00	48.93	2.07	25.04
Last 5	14:08:49	3599.98	22.27	6.78	783.89	4.61	48.93	2.10	25.19
Last 5	14:13:49	3899.98	22.29	6.78	784.11	4.52	48.93	2.09	24.93
Last 5	14:18:49	4199.97	22.31	6.78	783.59	5.00	48.92	2.17	25.03
Last 5	14:23:49	4499.97	22.27	6.78	782.26	3.99	48.90	2.14	25.18
Variance 0			0.02	-0.00	0.22			-0.01	-0.26
Variance 1			0.02	0.01	-0.52			0.08	0.09
Variance 2			-0.04	0.00	-1.33			-0.04	0.15

Notes

Start purging well @ 13:09, stop @ 14:23; Purge rate maintained @ 185 ml/min; Turbidity was slow to come down; Collect sample @ 14:25; pH during sampling is 6.78; Weather is overcast and gusty 74 degrees F

Grab Samples PZ-23A

Groundwater sample

Date: 2020-10-07 09:54:23

Pump Information:

QED dedicated bladder

Project Information:

Operator Name Terrell Parker Pump Model/Type

Company NameWood E&ISTubing TypePEProject NamePlant Mitchell CCRTubing Diameter.170 inSite NamePZ-25Tubing Length63 ft

Latitude 0° 0' 0"

Longitude 0° 0' 0"

Sonde SN 541714

Turbidity Make/Model Hach 2100Q Pump placement from TOC 58.2 ft

Well Information: Pumping Information:

Final Pumping Rate 225 mL/min Well ID PZ-25 Well diameter 2 in Total System Volume 0.7611957 L Calculated Sample Rate Well Total Depth 63.19 ft 300 sec Stabilization Drawdown Screen Length 10 ft 0.72 in Depth to Water 30.11 ft **Total Volume Pumped** 9.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	09:28:27	900.02	21.71	6.97	456.01	0.26	30.17	0.75	58.05
Last 5	09:33:27	1200.02	21.71	6.96	457.03	0.31	30.17	0.57	57.75
Last 5	09:38:27	1500.04	21.71	6.96	456.14	0.23	30.17	0.47	57.70
Last 5	09:43:27	1800.04	21.77	6.96	456.67	0.17	30.17	0.40	58.19
Last 5	09:48:27	2100.03	21.84	6.95	456.87	0.18	30.17	0.35	59.35
Variance 0			0.00	0.00	-0.89			-0.10	-0.06
Variance 1			0.06	0.01	0.53			-0.07	0.49
Variance 2			0.07	-0.01	0.20			-0.05	1.15

Notes

Started purging at 09:09. Groundwater sample at 09:50 + FD-02

Grab Samples
PZ-25
Groundwater
FD-02
Groundwater dup

Date: 2020-10-06 14:50:50

Project Information:

Operator Name Ever Guillen
Company Name WOOD
Project Name Plant Mitchell CCR
Site Name PZ-31

Latitude 0° 0' 0"

Longitude 0° 0' 0"

Sonde SN 613229

Turbidity Make/Model HACH 2100Q

Well Information:

Well ID PZ-31
Well diameter 2 in
Well Total Depth 61.60 ft
Screen Length 10 ft
Depth to Water 37.33 ft

Pump Information:

Pump Model/Type QED
Tubing Type HDPE
Tubing Diameter 0.17 in
Tubing Length 61.60 ft

Pump placement from TOC

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.7549468 L
Calculated Sample Rate 300 sec
Stabilization Drawdown
Total Volume Pumped 10 L

56.60 ft

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond μS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	14:29:06	1800.02	21.66	7.02	437.88	7.81	37.92	4.70	17.29
Last 5	14:34:06	2100.02	21.67	7.02	437.77	6.13	37.92	4.70	18.28
Last 5	14:39:09	2403.02	21.64	7.01	438.05	5.32	37.92	4.72	19.43
Last 5	14:44:09	2703.01	21.61	7.01	437.69	3.87	37.92	4.71	20.61
Last 5	14:49:09	3003.01	21.64	7.01	437.51	2.39	37.92	4.70	21.56
Variance 0			-0.03	-0.00	0.28			0.02	1.15
Variance 1			-0.03	-0.00	-0.36			-0.01	1.19
Variance 2			0.03	0.00	-0.18			-0.01	0.95

Notes

Sampled at 1455

Grab Samples

Date: 2020-10-06 14:56:14

Project Information:

Pump Information: **Operator Name** Terrell Parker Pump Model/Type

QED dedicated bladder Company Name Wood E&IS **Tubing Type** Project Name Tubing Diameter .170 in Plant Mitchell CCR Tubing Length 65.3 ft Site Name PZ-32

0° 0' 0" Latitude Longitude 0° 0' 0" Sonde SN 541714

Turbidity Make/Model Hach 2100Q Pump placement from TOC 60.3 ft

Pumping Information: Well Information:

Final Pumping Rate 250 mL/min Well ID PZ-32 Well diameter 2 in Total System Volume 0.7714615 L Calculated Sample Rate Well Total Depth 65.30 ft 300 sec Stabilization Drawdown Screen Length 10 ft 0 in Depth to Water 14.5 L 36.28 ft **Total Volume Pumped**

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	S/cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	14:32:49	1500.02	19.48	7.35	317.80	0.20	36.28	0.37	106.64
Last 5	14:37:49	1800.01	19.46	7.32	317.87	0.18	36.28	0.45	108.19
Last 5	14:42:49	2100.02	19.43	7.30	317.91	0.15	36.28	0.51	109.25
Last 5	14:47:49	2400.01	19.46	7.28	318.37	0.12	36.28	0.56	110.28
Last 5	14:52:50	2700.59	19.48	7.27	318.64	0.10	36.28	0.61	110.73
Variance 0			-0.03	-0.02	0.04			0.06	1.07
Variance 1			0.03	-0.02	0.45			0.05	1.02
Variance 2			0.02	-0.01	0.27			0.05	0.45

Notes

Begin purging 14:00 Groundwater sample at 15:00

Grab Samples PZ-32

Groundwater

Date: 2020-10-07 14:18:24

Project Information:

Operator Name Ever Guillen WOOD
Company Name Plant Mitchell CCR
Project Name PZ-33
Site Name 0° 0' 0"
Latitude 0° 0' 0"
Longitude 642533
Sonde SN HACH 2100Q
Turbidity Make/Model

Pump Information:

Pump Model/Type QED
Tubing Type HDPE
Tubing Diameter 0.17 in
Tubing Length 73.60 ft

Pump placement from TOC 68.60 ft

Well Information: PZ-33

Well ID 2 in
Well diameter 73.60 ft
Well Total Depth 10 ft
Screen Length 48.22 ft
Depth to Water

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.8085079 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0 in

22 ft Stabilization Drawdown 0 in Total Volume Pumped 13 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	рН	SpCond µS	cm Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:56:40	2700.01	24.02	7.04	573.39	2.54	48.44	0.23	18.77
Last 5	14:01:40	3000.01	23.88	7.04	578.05	1.50	48.44	0.22	19.27
Last 5	14:06:40	3300.01	23.72	7.04	577.87	0.83	48.44	0.22	19.36
Last 5	14:11:40	3600.01	23.69	7.04	577.13	0.34	48.44	0.22	19.49
Last 5	14:16:40	3900.00	23.91	7.04	576.98	0.36	48.44	0.22	19.64
Variance 0			-0.16	0.00	-0.18			0.00	0.09
Variance 1			-0.03	0.00	-0.74			-0.01	0.13
Variance 2			0.21	-0.00	-0.15			0.00	0.15

Notes

Sampled at 1425

Grab Samples

Date: 10/06/2020
Time: 07:45
Prepared By: A.S.HONSDITS
Checked By: NA

Wood. Project No. 6122160170

Pine Sonde ID: 642533

Pine Handset ID: —

Battery Voltage %: 100

Hach 2100@ S/N /6110C053543

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes No Date: Time:	
Current Air Temperature °C (meter reading):		20.40
Current Barometric Pressure (from Weather		
Channel or NOAA.gov, which is corrected to		30.091
sea level):		= 764 2
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x $25.4 = mm$ Hg; subtract 2.54 mm Hg for every	-5.18
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	= 769-11
Theoretical DO (mg/L) from DO table based		0
on current temperature and elevation corrected		1.01
pressure: DO concentration before Calibration (mg/L):	D 12 11 11 11 11 11 11 11 11 11 11 11 11	0-0-
DO concentration before Cambration (mg/L): DO concentration after Calibration (mg/L):	Depending on meter version, this may not be available.	8.95
% Recovery (actual/theory x 100)	D	8-36
DO Charge (DO ch):	Range is 90 to 110% Recovery	99.4
DO Gain (should be between -0.7 and 1.5):	Acceptable Range is 25 to 75	
	Exit Calibration menu and go to Advanced/Cal Constants	
Note:	oid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)		1.1.7
Temperature (°C)	Cof# 19410200 Enp. NA	1.413
Reading before Calibration (mS/cm)		22.28
Reading AFTER Calibration (mS/cm)		1.410
Conductivity Cell Constant (unitless):		1-413
Note: Be sure conductivity cell is submerged and free of bubl	blac (positive ton goods on table)	_
pH	bles (gently tap sonde on table)	-
pH 7.0 value before calibration:	1 1 H 1071 -057 E 05/21	
pH 7.0 value after calibration:	Lot #19340057 Bop. 08/21	7
pH 7.0 mV (range is -50 to +50 mV):		7.00
pH 10 value before calibration:	7.74.787.787.787.787.787.787.787.787.787	-5.4
pH 10 value after calibration:	Let# 19320102 Fxp 08/21	10.4
pH 10 mV (range is -130 to -230 mV):		10.00
pH 4.0 value before calibration:	7 7 4 2200 27 5 6 7	-180.2
pH 4.0 value after calibration:	Lof # 20010025 Bop. 08/21	4.00
pH 4.0 mV (range is 130 to 230 mV):		169-6
Note: Span between ph 4 and 7, and 7 and 10 should be betw	165 to 180 mV	161-6
OXIDATION/REDUCTION POTENTIAL (
Calibration Temperature (°C):		21.82
Theoretical Calibration standard (mV)	$6.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	2(.02
Reading before calibration (mV):	0.231 0.0015(23-1) x 1000 mr (1 is Temperature C)	2711
Reading after calibration (mV):		221.5
Note: mV theory will change with temperature	so coloulate based on your guerant town	728
TURBIDITY Note: Lens wiper should be parked 180		
as a mercial and a second second		20.4
	Pap. NA Before Cal: 26.1 After Cal: Pape NA Before Cal: 16.7 After Cal:	
100 NTU Turbidity Standard Lot # NA	Pap NA Before Cal: 605 After Cal: Fig. NA Before Cal: 816 After Cal:	105
16 NTU Turbidity Check STD Lof# Ac	226 Exp. 11/2 Before Cal: 10 Z After Cal:	829
ol NTU Turbidity Check STD Lot 4 A.0		10.3
CALIBRATION SUCCESSFUL?	After Cal:	0.21
ALLIDIGITOR DUCCEOSFUL.		TRS

Date: 10/67/2020 Time: 07:55

Prepared By: A. SHOREDETS
Checked By: MA

Wood. Project No. 6122160170 Pine Sonde ID: 642533
Pine Handset ID: NA
Battery Voltage %: Loo

Hach 2100@ S/N/6/10C053643

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)	BRATION	PRIOR	TO SA	MPLINC	i .		VALUE
Was DO membrane changed?	Was	NT-	~	Deter	Times		VALUE
Current Air Temperature °C (meter reading):	Yes	No_	<u> </u>	Date:	Time:		20 / 6
Current Barometric Pressure (from Weather							22-68
Channel or NOAA.gov, which is corrected to							30.06 M
sea level):							=763.5
Elevation Corrected Barometric Pressure to	Ex : 30.0	2 in Ho	x 25.4 =	mm Hø: s	ubtract 2.54	mm Hg for every	763.52
enter into YSI DO calibration:	and the second second second				54 = 14.4 mm		763.52
Theoretical DO (mg/L) from DO table based	11 = =	-	7000				3.75.1
on current temperature and elevation corrected							8-61
pressure:	1						
DO concentration before Calibration (mg/L):	Dependi	ng on m	eter vers	ion, this	may not be	available.	8.67
DO concentration after Calibration (mg/L):							8.61
% Recovery (actual/theory x 100)	Range is	90 to 11	10% Rec	overy			100
DO Charge (DO ch):	Acceptal	ole Rang	e is 25 t	o 75			-
DO Gain (should be between -0.7 and 1.5):	Exit Cal	ibration	menu ai	d go to	Advanced/C	al Constants	
Note:							
CONDUCTIVITY [Note: Calibrate before pH to av				(i.e, pH bu	ffers are conduc	tive)]	
Calibration standard used (mS/cm)	Lof#	1941	0200	1	Erp. N.	4	1.413
Temperature (°C)					1		23.51
Reading before Calibration (mS/cm)							1.401
Reading AFTER Calibration (mS/cm)							1.413
Conductivity Cell Constant (unitless):							_
Note: Be sure conductivity cell is submerged and free of bub	bles (gently t	ap sonde o	n table)				
pH							
pH 7.0 value before calibration:	20+#	1934	.005	7	Fag. 08	121	~
pH 7.0 value after calibration:							7.00
pH 7.0 mV (range is -50 to +50 mV):							-5.2
pH 10 value before calibration:	Left	1933	2010	2	5xg.08	1/21	_
pH 10 value after calibration:							10.00
pH 10 mV (range is -130 to -230 mV):							-180.0
pH 4.0 value before calibration:	LO+ #	2001	002	2	Fog. 08	5/21	4.02
pH 4.0 value after calibration:	-				-		4.00
pH 4.0 mV (range is 130 to 230 mV):		00 . 11					169.8
Note: Span between ph 4 and 7, and 7 and 10 should be betw OXIDATION/REDUCTION POTENTIAL (80 mV					
Calibration Temperature (°C):		10.1 1	MILI	-	15.2.2	×101	23.52
Theoretical Calibration standard (mV)	Le+# 0.231+0.				(Tis Ter	nperature °C)	75.50
Reading before calibration (mV):	0.231 0.	0012(23	1/110	JO III V	(1 13 101	iperature c)	7750
Reading after calibration (mV):							225.8
	on color	lata baca	d on ve	ir allesa	t tamp		668.0
Note: mV theory will change with temperature TURBIDITY Note: Lens wiper should be parked 18				n curren	c temp.		
the same of the sa				Refore C	al: 19.9	After Cal:	20.0
100 NTU Turbidity Standard Lot # NI	L E	ip Ni	4		al: 98.3	After Cal:	98-6
800 NTU Turbidity Standard Let # NA	1 5	O. NI	Í		al: 788	After Cal:	807
10 NTU Turbidity Check STD Lot # A0	276 8	x= 11/	21		al: 9.97	After Cal:	10.4
NTU Turbidity Standard Loff NI 100 NTU Turbidity Standard Loff NI 800 NTU Turbidity Standard Loff NI 10 NTU Turbidity Check STD Loff Ao 601 NTU Turbidity Check STD Loff Ao	99 F	- 07/	122	Before C		After Cal:	THE RESERVE TO THE PERSON NAMED IN
CALIBRATION SUCCESSFUL?	11 +2	7.011	-	ocioie C	ш.	And Cal.	0.44
ALIDICATION SUCCESSFUL.							4/28

Calibration Report: Conductivity Calibration Report 2020-10-06 08:50:01

Probe: 642533

Cell Constant: 1.0086

Stability: Full



Calibration Report: Conductivity Calibration Report 2020-10-07 08:50:04

Probe: 642533

Cell Constant: 1.0202

Stability: Full



Date: 18-6	-20
Time: 830	
Prepared By:	EVER GUILLEN
Checked By:_	

Wood. Project No. 6122160170

Pine Sonde ID: 6	13229
Pine Handset ID:	
Battery Voltage %:_	100

DISSOLVED OXYGEN (DO)						VALUE
Was DO membrane changed?	Yes	No V	Date:	Time:		
Current Air Temperature °C (meter reading):						22,55
Current Barometric Pressure (from Weather						
Channel or NOAA.gov, which is corrected to						1
sea level):						
Elevation Corrected Barometric Pressure to	Ex.: 30.0	2 in. Hg x 25.4	= mm Hg; su	btract 2.54 m	m Hg for every	
enter into YSI DO calibration:	100 ft. ab	ove sea level:	565/100 x 2.5	4 = 14.4 mm 1	Hg	760,1
Theoretical DO (mg/L) from DO table based						
on current temperature and elevation corrected						
pressure:						
DO concentration before Calibration (mg/L):	Dependi	ng on meter v	ersion, this	may not be av	vailable.	8.67
DO concentration after Calibration (mg/L):						7,85
% Recovery (actual/theory x 100)		90 to 110% I				-
DO Charge (DO ch):	Acceptab	ole Range is 2	5 to 75			-
DO Gain (should be between -0.7 and 1.5):	Exit Cali	bration menu	and go to A	dvanced/Cal	Constants	,
Note:						
CONDUCTIVITY [Note: Calibrate before pH to av	oid carry-ov	er from pH standa	rds (i.e. pH buff	fers are conductiv	/e)]	
Calibration standard used (mS/cm)						1,413
Temperature (°C)						23.2
Reading before Calibration (mS/cm)						1.511
Reading AFTER Calibration (mS/cm)						1.413
Conductivity Cell Constant (unitless):						-
Note: Be sure conductivity cell is submerged and free of bubl	bles (gently to	ap sonde on table				
H						
H 7.0 value before calibration:						6,96
H 7.0 value after calibration:						7,0
H 7.0 mV (range is -50 to +50 mV):	To the	171717	17/41/17	1.574	15,00	2,3
pH 10 value before calibration:						9.89
pH 10 value after calibration:						10,00
pH 10 mV (range is -130 to -230 mV):	T	ATAL A.	. 091/a - x	V. William	10000	-17115
H 4.0 value before calibration:						4103
H 4.0 value after calibration:						4,00
H 4.0 mV (range is 130 to 230 mV):						# 176,8
Note: Span between ph 4 and 7, and 7 and 10 should be between DXIDATION/REDUCTION POTENTIAL (80 mV				
Calibration Temperature (°C):						23,2
heoretical Calibration standard (mV)	0.231+0.	0013(25-T) x	1000 = mV	(T is Temp	perature °C)	228.0
Reading before calibration (mV):						224,5
Reading after calibration (mV):						2310
Note: mV theory will change with temperature	so calcul	ate based on	vour current	temp.		
URBIDITY Note: Lens wiper should be parked 180						
NTU Turbidity Standard			Before Ca	1: 9.93	After Cal:	9,97
NTU Turbidity Standard			Before Ca		After Cal:	19.8
100 NTU Turbidity Standard			Before Ca		After Cal:	99,0
NTU Turbidity Check STD			Before Ca		After Cal:	788
Oct NTU Turbidity Check STD			Before Ca	100	After Cal:	0118
O T INTO TUIDIDITY CHECK STID						

Date: 10-7-20	Wood.	Dina Sanda ID: 613 279
Time: 930	Project No. 6122160170	Pine Sonde ID: 613 229 Pine Handset ID:
Prepared By: EVER GUILLEN	110ject No. 0122100170	Battery Voltage %:
Charled Du		V 4
	NOTE: SMART TROLL DID NOT	WORK-
DISSOLVED OXYGEN (DO)	BRATION PRIOR TO SAMPLING	USED UNIT CALIBRATED BY A. SHORED VALUE
Was DO membrane changed?	Yes No Date:	Time:
Current Air Temperature °C (meter reading):	100 Date.	Tille
Current Barometric Pressure (from Weather		
Channel or NOAA.gov, which is corrected to sea level):		
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; su	ibtract 2.54 mm Hg for every
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.5	
Theoretical DO (mg/L) from DO table based		49.00
on current temperature and elevation corrected		
pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this i	may not be available.
DO concentration after Calibration (mg/L):		
% 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 A	dvanced/Cal Constants
Note:	5	
CONDUCTIVITY [Note: Calibrate before pH to av	oid carry-over from pH standards (i.e. pH buff	fers are conductive)]
Calibration standard used (mS/cm)		
Temperature (°C)		
Reading before Calibration (mS/cm)		
Reading AFTER Calibration (mS/cm)		
Conductivity Cell Constant (unitless):		
Note: Be sure conductivity cell is submerged and free of bub	bles (gently tap sonde on table)	
рН		
pH 7.0 value before calibration:		
pH 7.0 value after calibration:		
pH 7.0 mV (range is -50 to +50 mV):	TO STOLE A STATE OF A STATE OF	CATHER BURY FREEZE
pH 10 value before calibration:		
pH 10 value after calibration:		
pH 10 mV (range is -130 to -230 mV):		
pH 4.0 value before calibration:		
pH 4.0 value after calibration:		
pH 4.0 mV (range is 130 to 230 mV):		
Note: Span between ph 4 and 7, and 7 and 10 should be betw	een 165 to 180 mV	
OXIDATION/REDUCTION POTENTIAL (
Calibration Temperature (°C):		
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$	(T is Temperature °C)
Reading before calibration (mV):		
Reading after calibration (mV):	*	
Note: mV theory will change with temperature	so calculate based on your overent	temp

Before Cal: 1014

Before Cal: 19,0

Before Cal: 98.3

Before Cal: 777

Before Cal: 0,73

After Cal:

After Cal:

After Cal:

After Cal:

After Cal:

10.1

19.6

282

0,15

TURBIDITY Note: Lens wiper should be parked 180 degrees from the optics.

NTU Turbidity Standard

Zo NTU Turbidity Standard

100 NTU Turbidity Standard

800 NTU Turbidity Check STD

O, 1 NTU Turbidity Check STD

CALIBRATION SUCCESSFUL?

Calibration Report: ORP Calibration Report 2020-10-06 09:27:14

Probe: 642533

User Defined: 228.0 mV

Offset: 0.1 mV Stability: Full

Calibration Report: ORP Calibration Report 2020-10-07 09:25:32

Probe: 642533

User Defined: 228.0 mV

Offset: 2.5 mV Stability: Full

Calibration Report: pH Calibration Report 2020-10-06 09:19:34

Probe: 642533 4.00 to 7.00 pH

Slope: -58.94 mV/pH Offset: 6.91 pH

7.00 to 10.00 pH Slope: -58.95 mV/pH

Offset: 6.91 pH Stability: Full

Calibration Report: pH Calibration Report 2020-10-07 09:17:03

Probe: 642533 4.00 to 7.00 pH

Slope: -58.58 mV/pH Offset: 6.91 pH 7.00 to 10.00 pH

Slope: -58.56 mV/pH Offset: 6.91 pH

Stability: Full

Calibration Report: RDO Calibration Report 2020-10-06 08:18:10

Probe: 642533 Slope: 0.9217 Offset: -0.0000 Stability: Full

Calibration Report: RDO Calibration Report 2020-10-07 08:27:51

Probe: 642533 Slope: 0.9216 Offset: -0.0000 Stability: Full

Date: 10-6-20	
Time: 08:03	
Prepared By: 1. PARKET	
Checked By:	

Wood.

Project No. 6122160170

Pine Sonde ID: 541714

Pine Handset ID:

Battery Voltage %:

For Sampling event

BRATION PRIOR TO SAMPLE DE

DISSOLVED OXYGEN (DO)		VALUE
Was DO membrane changed?	Yes No Date: Time: 14/19	OPTICA
Current Air Temperature °C (meter reading):		20.
Current Barometric Pressure (from Weather		
Channel or NOAA.gov, which is corrected to	92.4%	759
sea level):		759.
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every	
enter into YSI DO calibration:	100 ft. above sea level: $565/100 \times 2.54 = 14.4 \text{ mm Hg}$	NI
Theoretical DO (mg/L) from DO table based		
on current temperature and elevation corrected		9.0
pressure:		0.0
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8,9
DO concentration after Calibration (mg/L):	D 100 1100 D	9.0
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99,8
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	10
Note:		
	oid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	LOTH 19410200 Exp. UNK.	1.41
Temperature (°C)		22.
Reading before Calibration (mS/cm)		NIA
Reading AFTER Calibration (mS/cm)		1.41
Conductivity Cell Constant (unitless):		NA
Note: Be sure conductivity cell is submerged and free of bubb	oles (gently tap sonde on table)	
pH		
pH 7.0 value before calibration:	10T# 19340057 Exp. 08/2021	
pH 7.0 value after calibration:		
pH 7.0 mV (range is -50 to +50 mV):	22.000	-8,3
pH 10 value before calibration:	LET# 19320102 Exp. 08/2021	
pH 10 value after calibration:		10,0
pH 10 mV (range is -130 to -230 mV):		181
pH 4.0 value before calibration:	LOTA 20010025 Exp. 08/2021	4.03
pH 4.0 value after calibration:	22.4°C 1	
pH 4.0 mV (range is 130 to 230 mV):		167.
Note: Span between ph 4 and 7, and 7 and 10 should be between		
OXIDATION/REDUCTION POTENTIAL (
Calibration Temperature (°C):	0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)	20.6
Theoretical Calibration standard (mV)		228
Reading before calibration (mV):	21.200	227,
Reading after calibration (mV):		228
Note: mV theory will change with temperature		
TURBIDITY Note: Lens wiper should be parked 180		
20NTU Turbidity Standard WT# A023	707777777777777777777777777777777777777	20.
NTU Turbidity Standard LOTHA @ =		102
NTU Turbidity Standard 47#AV2	Before Cal: After Cal:	815
NTU Turbidity Check STD 60 5 HA	Before Cal: After Cal:	9.75
ONTU Turbidity Check STD Lor # 40	Before Cal: After Cal:	0.17
CALIBRATION SUCCESSFUL?		

Date: 10-7-20	
Time:	
Prepared By: T. PARRER	
Checked By:	

Wood. Project No. 6122160170

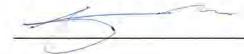
Pine Sonde ID:	41714
Pine Handset ID:	
Battery Voltage %:_	*

MA	T	TIDD	APPRO	TEAT	DDIO	DTO	CA	3 CTAT	TATO
LA		TER	Δ		PRIO	IK I	- A	N/IPI	INC

DISSOLVED OXYGEN (DO)	Statistical to Grant Ento	VALUE
Was DO membrane changed?	Yes No Date: Time: N/A	fred De
Current Air Temperature °C (meter reading):	7.7	21,48
Current Barometric Pressure (from Weather		The state of the s
Channel or NOAA.gov, which is corrected to		757.0
sea level):		131.0
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in, Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every	~ i / a
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	NA
Theoretical DO (mg/L) from DO table based		
on current temperature and elevation corrected		8,80
pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	8,848,21.
DO concentration after Calibration (mg/L):		8.79 75
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99.99027
DO Charge (DO ch):	Acceptable Range is 25 to 75	Alla
DO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	V
Note:		
	oid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)	1.413 Cot# 19410200 HO Exp.	1.413
Temperature (°C)	DATECA	22.30
Reading before Calibration (mS/cm)	BUTTLE.	1.40
Reading AFTER Calibration (mS/cm)		1.41
Conductivity Cell Constant (unitless):		N)A
Note: Be sure conductivity cell is submerged and free of bubl	oles (gently tap sonde on table)	
pH	o at	
pH 7.0 value before calibration:	· 107 # 19340057 Exp. 08/2021	NOT AVAIL
pH 7.0 value after calibration:	22.9%	NOT AVAIL
pH 7.0 mV (range is -50 to +50 mV):		-7.6
pH 10 value before calibration:	LOT#19720102 Exp. 08/2021	/
pH 10 value after calibration: (3)	22.9°C	10,00
pH 10 mV (range is -130 to -230 mV):		-180.9
pH 4.0 value before calibration:	LOT \$200/0025 Exp. 08/2021	4.02
pH 4.0 value after calibration:	22.8%	
pH 4.0 mV (range is 130 to 230 mV):	9 2000 100	167.7
Note: Span between ph 4 and 7, and 7 and 10 should be betw		
OXIDATION/REDUCTION POTENTIAL (ORP)	
Calibration Temperature (°C):	0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)	22.7
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	228
Reading before calibration (mV):		
Reading after calibration (mV):		228.30
Note: mV theory will change with temperature		
TURBIDITY Note: Lens wiper should be parked 180		
20 NTU Turbidity Standard Lor # AV 23	Zi Exp. All. 2021 Before Cal: After Cal:	19.7
110 NTU Turbidity Standard Lot # AULI	Before Cal: After Cal:	98.8
800 NTU Turbidity Standard Jor# A024	After Cal: After Cal:	798
NTU Turbidity Check STD Lord A02	26 Ego Nev. 1021 Before Cal: After Cal:	9.78
NTU Turbidity Check STD ortAsi	99 Evp Jul 2021 Before Cal: After Cal:	0.19
CALIBRATION SUCCESSFUL?		

Freish 06:34 SAP All PASS.

e Name	Plant Mitchell	_		
rmit Number	201.0	_		
ell ID	PZ-01D	-		
te	10/05/2020	Jane .		7.0
1 Locatio	n/Identification	yes	no	n/a
	Is the well visible and accessible?			
a				
b	Is the well properly identified with the correct well ID?			-
С	Is the well in a high traffic area and does the well require protection from traffic?	1		
- 4	Is the drainage around the well acceptable? (no standing water,			-
d	nor is well located in obvious drainage flow path)	V		
2 Protocti				
	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?	V		
Ь	Is the casing free of degradation or deterioration?	1		-
C	Does the casing have a functioning weep hole?	-	_	-
d	Is the annular space between casings clear of debris and water,			-
7	or filled with pea gravel/sand?	V		
е	Is the well locked and is the lock in good condition?	V		
3 Surface	pad			
а	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			_
9	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	V		
е	Is the pad surface clean (not covered with sediment or debris)?	-7	_	=
			_	
4 Internal				
а	Does the cap prevent entry of foreign material into the well?	V		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	V		
d	Is the survey point clearly marked on the inner casing?	-		
е	Is the depth of the well consistent with the original well log?	_&_		V
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	1		
	couplings in construction)			
5 Samplin	g: Groundwater Wells Only:	_		
а	Does well recharge adequately when purged?			V
b	If dedicated sampling equipment installed, is it in good condition			2
	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?			1
6 Based o	n 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?	V		
			_	_
7 Correctiv	ve actions as needed, by date:			-
			4	ZZIMIO



Site Name Permit Number	Plant Mitchell	-		
Vell ID	PZ-02D			
Date	3/23/2020 10/65/2020			
41	- Advantor and have	yes	no	n/a
1000	on/Identification Is the well visible and accessible?	1		
а	Is the well properly identified with the correct well ID?	-	_	_
Ь	Is the well in a high traffic area and does the well require	_	_	_
C	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,			_
4	nor is well located in obvious drainage flow path)	1_		
2 Protec	tive Casing			
a	Is the protective casing free from apparent damage and able to be			
-	secured?	1		
b	Is the casing free of degradation or deterioration?	*		
C	Does the casing have a functioning weep hole?	7		
d	Is the annular space between casings clear of debris and water,			-
	or filled with pea gravel/sand?	/		
е	Is the well locked and is the lock in good condition?	J		
3 Surfac	ne pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
Ь	Is the well pad sloped away from the protective casing?	1		
C	Is the well pad in complete contact with the protective casing?	1	_	
d	Is the well pad in complete contact with the ground surface and		_	
17	stable? (not undermined by erosion, animal burrows, and does no	t.		
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	1	=	
4 Interna	al casing			
a	Does the cap prevent entry of foreign material into the well?	7.7		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	7		
d	Is the survey point clearly marked on the inner casing?	1		
e	Is the depth of the well consistent with the original well log?	1	_	
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)	1		
5 Sampl	ing: Groundwater Wells Only:	_		
а	Does well recharge adequately when purged?			V
b	If dedicated sampling equipment installed, is it in good condition			
2	and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?	\equiv	\equiv	V
6 Based	on your professional judgement, is the well construction / location	-		
- 20000	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	1		
33,0		=	_	
7 Correc	tive actions as needed, by date:			



Site Name	Plant Mitchell	27		
Permit Number				
Well ID	PZ-02S			
Date	10/05/2020	200		
11000	lion (Ideal) flootion	yes	no	n/a
	tion/Identification Is the well visible and accessible?			
а		_	-	
b	Is the well properly identified with the correct well ID?	_	$\overline{}$	
С	Is the well in a high traffic area and does the well require protection from traffic?	2		
d	Is the drainage around the well acceptable? (no standing water,			1
	nor is well located in obvious drainage flow path)	1		
2 Prote	ctive Casing			
a	Is the protective casing free from apparent damage and able to be	_		
4	secured?	1		
b	Is the casing free of degradation or deterioration?	7	-	_
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?	1		
e	Is the well locked and is the lock in good condition?	1		
2 Cumba	12414			1
3 <u>Surfa</u>	Is the well pad in good condition (not cracked or broken)?			
a b	Is the well pad sloped away from the protective casing?	-	_	-
		- 1		-
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 no move when stepped on)			
	Is the pad surface clean (not covered with sediment or debris)?	-		
е	is the pad surface clear (not covered with sediment or depris)?			_
4 Intern	al casing			
а	Does the cap prevent entry of foreign material into the well?	/		
b	Is the casing free of kinks or bends, or any obstructions from	1		
	foreign objects (such as bailers)?			
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	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	- X		
	couplings in construction)			
5 Samo	ling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition	_	_	_
	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?			=/
6 Bases	on your professional judgement, is the well construction / location			
o Dasec	appropriate to 1) achieve the objectives of the Groundwater	_		
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	1		
	regarioritatio:		_	
7 Correc	ctive actions as needed, by date:			

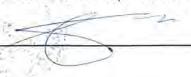


Site Name	Plant Mitchell			
Permit Number				
Well ID	PZ-03D			
Date	10/05/2020			5.62
d Legation	- Udentification	yes	no	n/a
	n/ldentification Is the well visible and accessible?	1		
a	Is the well properly identified with the correct well ID?			
b	Is the well in a high traffic area and does the well require			
C	그리아 아니는 이렇게 되었다면 그 이 가게 가득하다면 되었다. 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	.)		
200	protection from traffic?			
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	V		
2 Protecti	ive Casing			
	Is the protective casing free from apparent damage and able to be	_		
а	secured?	1		
4	Is the casing free of degradation or deterioration?			
b	Does the casing have a functioning weep hole?			
C	Is the annular space between casings clear of debris and water,			
d	or filled with pea gravel/sand?	1		
4.2	Is the well locked and is the lock in good condition?	<u>~</u>		
е	is the well locked and is the lock in good condition:	V		-
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	_/_		
С	Is the well pad in complete contact with the protective casing?	1		
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does not	2		
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	V		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		A
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	1		
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)	1		
E Carrelle	Carradurates Wells Only	_		
	ng: Groundwater Wells Only: Does well recharge adequately when purged?			1
a	If dedicated sampling equipment installed, is it in good condition			
Ь	and specified in the approved groundwater plan for the facility?			2
2.	Does the well require redevelopment (low flow, turbid)?		_	
С	Does the well require redevelopment (low now, turble):	_	_	~
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	3		
	requirements?	1		
7 Correct	ive actions as needed, by date:			
Correct	ive actions as needed, by date.			STEFAN C.
and the state of the	W.		A.	Die Care
-			BAL	1111





lame	Plant Mitchell	_	
t Number	D7.04D	-5	
D	PZ-04D	21	
	10/05/2020	yes r	no n/a
1 Location	n/Identification	yes i	11/4
a	Is the well visible and accessible?	1	
b	Is the well properly identified with the correct well ID?	7 -	
C	Is the well in a high traffic area and does the well require protection from traffic?	7	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	2	
2 0-46	Oceales		
	ve Casing		
а	Is the protective casing free from apparent damage and able to be secured?	1	
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?	1	
e	Is the well locked and is the lock in good condition?	V	
3 Surface	pad		
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 no move when stepped on)	· ,	
е	Is the pad surface clean (not covered with sediment or debris)?	7-	_
	The state of the s		
4 Internal			
а	Does the cap prevent entry of foreign material into the well?		
b	Is the casing free of kinks or bends, or any obstructions from	1	
	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?		
е	Is the depth of the well consistent with the original well log?	1	
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	1	
	couplings in construction)		
5 Complia	g: Groundwater Wells Only:		
	Does well recharge adequately when purged?		-,20
a	If dedicated sampling equipment installed, is it in good condition		— <u> </u>
Ь	and specified in the approved groundwater plan for the facility?		1
0	Does the well require redevelopment (low flow, turbid)?		7
С	boes the well require redevelopment (low now, turbid):		_ <u>~</u>
6 Based o	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?	1	
3.5			
7 0	ve actions as needed, by date:		~**





Site Name	Plant Mitchell	200		
Permit Number	A. I			
Well ID	PZ-06S			
Date	10/05/2020			
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	1		
C	Is the well in a high traffic area and does the well require			
	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1	\equiv	
0.0				
	ive Casing			
а	Is the protective casing free from apparent damage and able to be secured?	1		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,	,		
	or filled with pea gravel/sand?	1	_	
е	Is the well locked and is the lock in good condition?	1	_	_
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	1		
C	Is the well pad in complete contact with the protective casing?	1		V
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)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	V		=
4 Internal	casing			
a	Does the cap prevent entry of foreign material into the well?	7		
b	Is the casing free of kinks or bends, or any obstructions from			
D	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		_
d	Is the survey point clearly marked on the inner casing?	1	_	
e	Is the depth of the well consistent with the original well log?			1
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)	V.		
5 Samplin	ng: Groundwater Wells Only:			- Air
а	Does well recharge adequately when purged?			W.
b	If dedicated sampling equipment installed, is it in good condition			-7
	and specified in the approved groundwater plan for the facility?			0
С	Does the well require redevelopment (low flow, turbid)?		_	V
6 Based o	on your professional judgement, is the well construction / location			
1.000	appropriate to 1) achieve the objectives of the Groundwater	_		
	Monitoring Program and 2) comply with the applicable regulatory	4		
	requirements?	1		
20 - Car of - A				
7 Correcti	ive actions as needed, by date:			-min



Site Name	Plant Mitchell			
Permit Number				
Well ID	PZ-07D	3		
Date	10/05/2020		-	CIT
1 Location	on/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	1		
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)	1		
2 Protect	tive Casing			
a	Is the protective casing free from apparent damage and able to be			
	secured?	1		
b	Is the casing free of degradation or deterioration?	V	_	
C	Does the casing have a functioning weep hole?	1	_	_
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	J		
е	Is the well locked and is the lock in good condition?	~		
3 Surface	e pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	7		
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 no	t		
	move when stepped on)	_ V		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Interna	casing			
a	Does the cap prevent entry of foreign material into the well?	- 1		
b	Is the casing free of kinks or bends, or any obstructions from			_
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	V		- 33
е	Is the depth of the well consistent with the original well log?	X		
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	1		
	couplings in construction)		_	-
5 Samplin	ng: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			U.
b	If dedicated sampling equipment installed, is it in good condition			1
of the state of the last	and specified in the approved groundwater plan for the facility?			~
.↓ ·¢	Does the well require redevelopment (low flow, turbid)?			
6 Based	on your professional judgement, is the well construction / location			
9	appropriate to 1) achieve the objectives of the Groundwater			
FORT COLL	Monitoring Program and 2) comply with the applicable regulatory	13		
	requirements?			
7 Correct	ive actions as needed, by date:			and profession
Conect	ive actions as needed, by date.	_	6	SSEAS STEFAN
-			8	Die



Site Name	Plant Mitchell	2,		
Permit Number Well ID	PZ-08D	9		
Date	10/05/2020	-		
8.2555.00		yes	no	n/a
V Committee	n/Identification	1		
а	Is the well visible and accessible?	- V.		
b	Is the well properly identified with the correct well ID?	_1_		_
С	Is the well in a high traffic area and does the well require protection from traffic?	-1/		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	J		
2 Protectiv	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	1		
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,			_
o .	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	1		=
3 Surface	nad			
a	Is the well pad in good condition (not cracked or broken)?	1/		
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)	4		
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	7		
b	Is the casing free of kinks or bends, or any obstructions from			_
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1	_	
е	Is the depth of the well consistent with the original well log?	V		
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	1		
	couplings in construction)	1		
E Complin	Croundwater Wella Only			
4-4	g: Groundwater Wells Only: Does well recharge adequately when purged?	_		1
а	If dedicated sampling equipment installed, is it in good condition			
ь	and specified in the approved groundwater plan for the facility?			
С	Does the well require redevelopment (low flow, turbid)?	_	_	-
	And the second of the second o		_	-
6 Based or	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	- 6		
	requirements?	_/_		
7 Corrective	e actions as needed, by date:			
Concour	a delicita de modeles, ej delo.			THE PROPERTY.



Site Name	Plant Mitchell	2		
Permit Number				
Well ID	PZ-09D			
Date	10/05/2020			ar 200
1 Location	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
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		_	_
o.	protection from traffic?	1		
ď	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1	_	
(22.55)			_	-
	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?	1		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	V		
d	Is the annular space between casings clear of debris and water,	7		
	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?	1		_
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	1		
C	Is the well pad in complete contact with the protective casing?	1		
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)	V		
е	Is the pad surface clean (not covered with sediment or debris)?	V		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	7		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	1		
С	Is the well properly vented for equilibration of air pressure?	7		
d	Is the survey point clearly marked on the inner casing?	7		
е	Is the depth of the well consistent with the original well log?	1	_	
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)	1		
5 Samplin	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition	—	-	_
	and specified in the approved groundwater plan for the facility?			1
С	Does the well require redevelopment (low flow, turbid)?	-		1
6 Rasad a	n your professional judgement, is the well construction / location			
o pased o	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	1		
			_	
7 Correctiv	ve actions as needed, by date:			
			AUS.	mmm



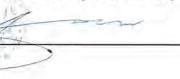
Site Name	Plant Mitchell			
Permit Number	D7 400			
Well ID	PZ-10S	Δy.		
Date	10/05/2020	-	42	C12
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?		1	
b	Is the well properly identified with the correct well ID?	-	-V-	
C	Is the well in a high traffic area and does the well require	1		
Ģ	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,		—	
	nor is well located in obvious drainage flow path)	1		
2 Destant	na Martina		-	
	ve Casing Is the protective casing free from apparent damage and able to be	ويست		
а	secured?	2		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	~		
е	Is the well locked and is the lock in good condition?	1		
3 Surface	pad	X		
a	Is the well pad in good condition (not cracked or broken)?	7		
b	Is the well pad sloped away from the protective casing?	7		
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	1		
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
a	Does the cap prevent entry of foreign material into the well?	50		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	-7		
d	Is the survey point clearly marked on the inner casing?	-1		
е	Is the depth of the well consistent with the original well log?	1		
f	Is the casing stable? (or does the pvc move easily when touched	-1/		
	or can it be taken apart by hand due to lack of grout or use of slip	-/-		
	couplings in construction)	1		
F.O	0 1 1 1 W H 0 1			
	g: Groundwater Wells Only:			14
a	Does well recharge adequately when purged?		— .	-V
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
C	boes the well require redevelopment (low now, turbid)?			
6 Based o	n 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?	1		
			<u>-</u>	_
	ve actions as needed, by date:			-anno-
Well	usede construction area (lenced all	onea	STATE	STEFAN SHOT
>			B SON	The second
			D # /	1111

Signature and Seal of PE/PG responsible for inspection

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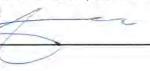
ame	Plant Mitchell	-		
Number	PZ-11S	-01		
0	10/05/2020	0		
	_3,01,00,12,000	yes	no	n/a
1 Location	n/Identification			
а	Is the well visible and accessible?		V	
Ь	Is the well properly identified with the correct well ID?		V	
С	Is the well in a high traffic area and does the well require			
	protection from traffic?			1
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)	1	_	
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
-	secured?	1		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	1	_	
d	Is the annular space between casings clear of debris and water,			
9	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	V		
	and the second control of the second control			
3 Surface	ls the well pad in good condition (not cracked or broken)?	-		
а	그는 이렇게 하게 하면 하면 되면 되었다면 하는데 하는데 하는데 하게 되었다면 되었다면 되었다면 하셨다. 하지만 하는데 되었다면 하는데 그렇게 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게	-	_	_
b	Is the well pad sloped away from the protective casing?		-	
С	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	7		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			
а	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)?	V		
С	Is the well properly vented for equilibration of air pressure?	-/		
d	Is the survey point clearly marked on the inner casing?	1	_	
-	Is the depth of the well consistent with the original well log?		_	
e	Is the casing stable? (or does the pvc move easily when touched			
3	or can it be taken apart by hand due to lack of grout or use of slip	-4		
	couplings in construction)	1		
	oddpiings in donesi dostoriy		_	_
5 Samplin	g: Groundwater Wells Only:			1.0
а	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?			1
C	Does the well require redevelopment (low flow, turbid)?			1
6 Passal	on your professional judgement, is the well construction / legation			
o 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	1		
	requirements?		_	
7 Correct	ve actions as needed, by date:			ACMIDITY.
	ot access well for water level until 3/25/2020 due to site remediation w	ork.	S	S STEFAN SHE
Wo v	iell id and crosson underneath pad		A.S	11
1	i i		A*/	1 7
ure and Sea	al of PE/PG responsible for inspection		82	1

e Name	Plant Mitchell			
rmit Number	D7.100	5		
ell ID	PZ-12S	4		
ite	10/05/2020	-	122	-1.
1 Location	n/Identification	yes	no	n/a
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?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protecti	vo Coning			
2 <u>Protecti</u> a	Is the protective casing free from apparent damage and able to be			
a	secured?	14-		
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,			
9	or filled with pea gravel/sand?	22		
е	Is the well locked and is the lock in good condition?	-	$\overline{}$	_
			-	_
3 Surface				
а	Is the well pad in good condition (not cracked or broken)?	1	انک	
b	Is the well pad sloped away from the protective casing?	V		
C	Is the well pad in complete contact with the protective casing?	1		
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)	_/_		
е	Is the pad surface clean (not covered with sediment or debris)?		_	_
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	-		
b	Is the casing free of kinks or bends, or any obstructions from			_
7	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	-	_	
d	Is the survey point clearly marked on the inner casing?	-		_
е	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)	/		
5.0	0 1 1 1 1 1 1 1 1 1			
	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			\sim
b	If dedicated sampling equipment installed, is it in good condition			
40	and specified in the approved groundwater plan for the facility?	_		
С	Does the well require redevelopment (low flow, turbid)?			V
6 Based o	n your professional judgement, is the well construction / location			
- 50000	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory	1		
	requirements?	1		
	1.2.d cm 211,214,22			_
7 Correctiv	ve actions as needed, by date:			
				TITTE





Site Name	Plant Mitchell	2		
Permit Number				
Well ID	PZ-14			
Date	10/05/2020	-	-	nla
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	V		-
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)	1		
2 Protect	ive Casing			
a	Is the protective casing free from apparent damage and able to be	_		
	secured?	1		_
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,	30		
	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	V		
C	Is the well pad in complete contact with the protective casing?	1	-	
d	Is the well pad in complete contact with the ground surface and	-	-	
	stable? (not undermined by erosion, animal burrows, and does no	1 /		
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
a	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?			-
d	Is the survey point clearly marked on the inner casing?	V		
е	Is the depth of the well consistent with the original well log?			1
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	- 2		
	couplings in construction)	/		
5 Samplin	ng: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			100
	and specified in the approved groundwater plan for the facility?			
C	Does the well require redevelopment (low flow, turbid)?	=	=	_/
6 Based o	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?	1		
a decision of			_	
7 Correcti	ve actions as needed, by date:			
1-1(-)-				THE





Site Name	Plant Mitchell	4		
Permit Number	The state of the s	-		
Well ID	PZ-15	-		
Date	16/05/2020	2.22		12.
4 Lanatin	a lide atification	yes	no	n/a
0.00	n/Identification Is the well visible and accessible?	1		
a		-	$\overline{}$	=
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?	1		
a	Is the drainage around the well acceptable? (no standing water,	_		_
d	nor is well located in obvious drainage flow path)	1		
	nor is well located in obvious drainage now pathy	_		_
2 Protect	ive Casing			
а	Is the protective casing free from apparent damage and able to be			
	secured?	1		
b	Is the casing free of degradation or deterioration?	/	5.	
C	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	/		
е	Is the well locked and is the lock in good condition?	1		=
2 Curfoss	and and			
3 Surface	Is the well pad in good condition (not cracked or broken)?			
a b	Is the well pad sloped away from the protective casing?			
	Is the well pad in complete contact with the protective casing?			-
d d	Is the well pad in complete contact with the ground surface and		$\overline{}$	
u	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1		
	Is the pad surface clean (not covered with sediment or debris)?	-	_	
е	is the pad surface clear (not covered with scame in debris):		_	_
4 Internal	casing	-		
а	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)?	1		-
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	×		1
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	1		
	couplings in construction)	V		
5 Campli	ng: Groundwater Wells Only:			
-	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition		_	
U	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?	_		-1
	erest are well reduced as a search form that the part of the seal of			
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	1		
	requirements?	1		
7.0	SIL CIRCLE LE CERTE DE GALLE			
/ Correct	ive actions as needed, by date:			45



Site Name	Plant Mitchell	_		
Permit Number	P7.10	_		
Well ID Date	PZ-16	-		
Date	10/05/2020	- 400	200	n/a
1 Locatio	n/Identification	yes	no	IIIa
a	Is the well visible and accessible?	1		
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?	1		
d	Is the drainage around the well acceptable? (no standing water,		_	_
	nor is well located in obvious drainage flow path)	1		
2 Deptarti	va Casina			
	ve Casing	-		
а	Is the protective casing free from apparent damage and able to be secured?			
ь	Is the casing free of degradation or deterioration?	-		
C	Does the casing have a functioning weep hole?		$\overline{}$	
d	Is the annular space between casings clear of debris and water,			
ч	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	-		
			_	
3 Surface				
а	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 no	1		
	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?	-		
е	is the pad surface clean (not covered with sediment or debris)?			_
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	V		
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?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	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	O.		
	couplings in construction)			_
5 Samplin	g: Groundwater Wells Only:	_		
a	Does well recharge adequately when purged?	_		1
b	If dedicated sampling equipment installed, is it in good condition			-
	and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?			1
c n		=		
o Based o	n 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?	1		
	requirements:	_		
7 Correctiv	ve actions as needed, by date:			
			~	amin .
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Site Name	Plant Mitchell	J		
Permit Number				
Well ID	PZ-17			
Date	10/05/2020			
2 4 5 5 5 6	Was track to the second	yes	no	n/a
1 Location	n/Identification			
а	Is the well visible and accessible?			_
b	Is the well properly identified with the correct well ID?			$\overline{}$
Ċ	Is the well in a high traffic area and does the well require protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		
2 Protecti	vo Cocina			
-	Is the protective casing free from apparent damage and able to be	_		
а	secured?	1		
6	Is the casing free of degradation or deterioration?			
b	Does the casing have a functioning weep hole?	-		
C	Is the annular space between casings clear of debris and water,			_
d		12		
. 2.	or filled with pea gravel/sand? Is the well locked and is the lock in good condition?	-	_	_
е	is the well locked and is the lock in good condition:		_	0
3 Surface				
a	Is the well pad in good condition (not cracked or broken)?	V		
ь	Is the well pad sloped away from the protective casing?	V		
C	Is the well pad in complete contact with the protective casing?	16		-
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does not	jo .		
	move when stepped on)	1		
e	Is the pad surface clean (not covered with sediment or debris)?	V		
4 Internal	casing			
	Does the cap prevent entry of foreign material into the well?		1	
a b	Is the casing free of kinks or bends, or any obstructions from		V	
D	foreign objects (such as bailers)?	11		
	Is the well properly vented for equilibration of air pressure?			_
C	그는 아이들이 아이들이 아이들이 살아가지 수 있다면 하는데 아이들이 아이들이 아이들이 그렇게 되었다면 하는데 아이들이 아니를 살아내는데 아이들이 아니는데 아이들이 아니는데 아이들이 아이들이 아이들이 아니는데 아이들이 아니는데 아이들이 아이들이 아니는데 아니는데 아이들이 아니는데 아니는데 아니는데 아니는데 아니는데 아니는데 아니는데 아니는데	-4	_	
d	Is the survey point clearly marked on the inner casing? Is the depth of the well consistent with the original well log?	_	_	1
e	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched	<u> </u>	_	\sim
7	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	11		
	couplings in construction,		-	-
5 Samplin	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?			1
6 Based o	on your professional judgement, is the well construction / location			
5 Daseu C	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	. 1		
	requirements:		-	
7 Correcti	ve actions as needed, by date:			
The second secon		_		~

Signature and Seal of PE/PG responsible for inspection

Site Name	Plant Mitchell			
Permit Number Well ID	PZ-18	-		
Date	10/05/2020			
4.7.5		yes	no	n/a
200	n/Identification Is the well visible and accessible?			
а			_	_
b	Is the well properly identified with the correct well ID?		$\overline{}$	_
C	Is the well in a high traffic area and does the well require protection from traffic?	V		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	V	\equiv	
2 Protect	ive Casing			
a	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	1	_	-
	Does the casing have a functioning weep hole?	-	_	_
c d	Is the annular space between casings clear of debris and water,			_
ď	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	1		-
2 Curfoss	and the same of th			
3 Surface		-		
a	Is the well pad in good condition (not cracked or broken)? Is the well pad sloped away from the protective casing?			_
b	Is the well pad in complete contact with the protective casing?			-
d	Is the well pad in complete contact with the ground surface and			_
u	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	-/-		-
				-
4 Internal				
a	Does the cap prevent entry of foreign material into the well?	-	_	_
Ь	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	1		
С	Is the well properly vented for equilibration of air pressure?	1	_	-
d	Is the survey point clearly marked on the inner casing?		_	
е	Is the depth of the well consistent with the original well log?	X		1
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	100		
	couplings in construction)	1		
5 Samplin	ng: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition	_	_	-
	and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?	-		- 1/
6 Based o	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	12.		
	requirements?	1		_
7 Correcti	ve actions as needed, by date:			
. 5511550	2	_		TITO TO

Signature and Seal of PE/PG responsible for inspection

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Site Name	Plant Mitchell	2		
Permit Number				
Well ID	PZ-19	-		
Date	10/05/2020	yes	no	n/a
1 Location	/Identification	yes	110	IIIa
a	Is the well visible and accessible?	1		
ь	Is the well properly identified with the correct well ID?	J		
C	Is the well in a high traffic area and does the well require			
	protection from traffic?	V_		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		
2 Protectiv	Casing			-
a	Is the protective casing free from apparent damage and able to be secured?	7	_	-
b	Is the casing free of degradation or deterioration?		$\overline{}$	_
C	Does the casing have a functioning weep hole?	-	_	_
d	Is the annular space between casings clear of debris and water,		_	
u u	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	V	_	
	to the frontestor and to the feet in good as figure			=
3 Surface				
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	1		
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	1		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?	1	-	_
4 Internal	casing			
а	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)?	1_		
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?			1
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	X		
	couplings in construction)			
5 Sampling	g: Groundwater Wells Only:		$\overline{}$	
a	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition	_	_	
5	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?		_	1
	Book in the residence to the residence of the residence o		\equiv	
6 Based o	n 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?	1		
7.0	se collians as needed by date:			
/ Correctiv	ve actions as needed, by date:	_		
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Signature and Seal of PE/PG responsible for inspection

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Name	Plant Mitchell	4		
mit Number		_		
II ID	PZ-20			
e	10/05/2020			
1 Locatio	n/Identification	yes	no	
а	Is the well visible and accessible?	1		
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?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	7	\equiv	
2 Protecti	ive Casing			
	Is the protective casing free from apparent damage and able to be			
а	secured?	1		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	1		Т
d	Is the annular space between casings clear of debris and water,		_	
	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	1		
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	7		
C	Is the well pad in complete contact with the protective casing?	1	_	\overline{z}
d	Is the well pad in complete contact with the ground surface and		-	_
	stable? (not undermined by erosion, animal burrows, and does no	t		
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	1	\equiv	Ξ
4 Internal	casing			
a	Does the cap prevent entry of foreign material into the well?	7		
b	Is the casing free of kinks or bends, or any obstructions from	_	_	-
Ů.	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	-		-
d	Is the survey point clearly marked on the inner casing?	-		-
е	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)	1		
5 Samplin	g: Groundwater Wells Only:	_		
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			-
6 Dacad -	n your professional judgement in the well assets of the Allers			
o based o	n 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 Correctiv	ve actions as needed, by date:			
. 5011660	To delicito de Hobdod, of date.			~
- X				1



Site Name	Plant Mitchell	3		
Permit Number				
Well ID	PZ-21			
Date	10/05/2020	yes	no	n/a
1 Locatio	n/Identification	yes	110	IIIa
а	Is the well visible and accessible?	0		
b	Is the well properly identified with the correct well ID?	1		
C	Is the well in a high traffic area and does the well require	9		
	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protecti	ive Casing			
a	Is the protective casing free from apparent damage and able to be secured?	1		
ь	Is the casing free of degradation or deterioration?	1	-	
c	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	W		
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?			
C	Is the well pad in complete contact with the protective casing?	1		700
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does no	t		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?			
b	Is the casing free of kinks or bends, or any obstructions from	1		-
	foreign objects (such as bailers)?	V		-
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	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	15		
	couplings in construction)		_	
5 Samplin	ng: Groundwater Wells Only:			- 24
а	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			-2.
	and specified in the approved groundwater plan for the facility?			1
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	1		
	requirements?	1		
7 Correct	ive actions as peeded by date:			
/ Correct	ive actions as needed, by date:			man
The second secon				-

Signature and Seal of PE/PG responsible for inspection

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Site Name	Plant Mitchell	500		
Permit Number				
Well ID	PZ-22			
Date	10/05/2020	- 1100		
1 Locatio	n/Identification	yes	no	n/a
а	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	1		_
C	Is the well in a high traffic area and does the well require			
16	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,	-		_
	nor is well located in obvious drainage flow path)	1		
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
	secured?	1		
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?	V		
e	Is the well locked and is the lock in good condition?	7		_
				_
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	/		
C	Is the well pad in complete contact with the protective casing?	1		
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does no	t		
	move when stepped on)	V		
е	Is the pad surface clean (not covered with sediment or debris)?	V		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	6		
С	Is the well properly vented for equilibration of air pressure?	7	_	_
d	Is the survey point clearly marked on the inner casing?			_
е	Is the depth of the well consistent with the original well log?	-1/		_
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)	/		
5 Samplin	g: Groundwater Wells Only:	=		
a <u>Sampiiri</u>	Does well recharge adequately when purged?			VI
b	If dedicated sampling equipment installed, is it in good condition		-	
D	and specified in the approved groundwater plan for the facility?			1
- 4	Does the well require redevelopment (low flow, turbid)?	-	_	
С	boes the well require redevelopment (low flow, turbid)?	_		
6 Based o	n 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	100		
	requirements?	1		
44				
7 Correctiv	ve actions as needed, by date:			A
- >				STEPANO
			0	W - WITC



Site Name	Plant Mitchell	4		
Permit Number	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
Well ID	PZ-23A			
Date	10/05/2020	VOC	no	n/a
1 Locatio	n/Identification	yes	110	IIIa
a	Is the well visible and accessible?		/	
b	Is the well properly identified with the correct well ID?	V		
С	Is the well in a high traffic area and does the well require protection from traffic?	V		
d	Is the drainage around the well acceptable? (no standing water,	1		
	nor is well located in obvious drainage flow path)	1	-	\leftarrow
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	1		
ь	Is the casing free of degradation or deterioration?	-	=	
C	Does the casing have a functioning weep hole?	./	1	
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	1		
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	1		
C	Is the well pad in complete contact with the protective casing?	V		
ď	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)	V		
е	Is the pad surface clean (not covered with sediment or debris)?	X	V	
4 Internal	casing			
а	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)?	1		
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	J		
е	Is the depth of the well consistent with the original well log?			V
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	1		
	couplings in construction)		-	
5 Samplin	ng: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?		0	_X
C	Does the well require redevelopment (low flow, turbid)?	_	_	1
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?	1		
7 Correct	ive actions as needed, by date:	_		
Well.	is currently difficult to access due	Lo C	onstr	nction:
& Pad	surface is covered with soil from exc	avay	for	Contraction of

Site Name	Plant Mitchell			
Permit Number	75.71	J		
Well ID	PZ-24A			
Date	10/05/2020	-		- 7-
4 Leantle	n (I do ntification	yes	no	n/a
	n/Identification Is the well visible and accessible?	1		
a b	Is the well properly identified with the correct well ID?	-	_	
	Is the well in a high traffic area and does the well require			
C	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,			
u	nor is well located in obvious drainage flow path)	1		
	not to well received in obvious drainage new party			
2 Protecti	ve Casing			
а	Is the protective casing free from apparent damage and able to be			
	secured?	1/		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	/		
d	Is the annular space between casings clear of debris and water,	- 2		
	or filled with pea gravel/sand?	1		
e	Is the well locked and is the lock in good condition?	V		
3 Surface	nad			
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?		$\overline{}$	$\overline{}$
d	Is the well pad in complete contact with the ground surface and			_
u	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1		
e	Is the pad surface clean (not covered with sediment or debris)?	V		\equiv
4 Internal	easing			
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			-
D	foreign objects (such as bailers)?	1		
С	Is the well properly vented for equilibration of air pressure?	-		_
ď	Is the survey point clearly marked on the inner casing?			_
e	Is the depth of the well consistent with the original well log?		1	_
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)			
5 Camplio	g: Groundwater Wells Only:			
a <u>Samplin</u>	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition	<u> </u>	_	- 4
D .	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?		_	7
6 Based o	n your professional judgement, is the well construction / location	0.00		
	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory	Echa.		
	requirements?	yes		
7 Correctiv	ve actions as needed, by date:	_		



Name	Plant Mitchell			
nit Number	New Action			
ID	PZ-25	-		
9	10/05/2020	- was	-	
1 Location	n/Identification	yes	no	J
a	Is the well visible and accessible?	V		
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			-
C	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,	_		-
u	nor is well located in obvious drainage flow path)	V		
2 Protectiv	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
ч	secured?	1		
ь	Is the casing free of degradation or deterioration?	1		-
C	Does the casing have a functioning weep hole?	7	_	-
ď	Is the annular space between casings clear of debris and water,	_	_	-
u	or filled with pea gravel/sand?	V		
- 2	Is the well locked and is the lock in good condition?	-		-
е	is the well locked and is the lock in good condition?		_	-
3 Surface		-		
а	Is the well pad in good condition (not cracked or broken)?	_/_		-
b	Is the well pad sloped away from the protective casing?	1		
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 no	t ,		
	move when stepped on)	1		-
е	Is the pad surface clean (not covered with sediment or debris)?			_
4 Internal	casing			
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			
3	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	7		
d	Is the survey point clearly marked on the inner casing?	1		_
е	Is the depth of the well consistent with the original well log?			4
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)	1		
	document of the second of the	_		
5 Samplin	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			2
ь	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)?			L
6 Based o	on your professional judgement, is the well construction / location			
- 20000 0	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	0		
	ioquiomon.		$\overline{}$	-
7 Correcti	ve actions as needed, by date:			
A STATE OF S	THE COURT OF THE C	-		



Site Name	Plant Mitchell			
Permit Number				
Well ID	PZ-26			
Date	10/05/2020	-		
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
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?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		
2 Protecti	ive Casing			
a	Is the protective casing free from apparent damage and able to be			
a	secured?	1		
Ь	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?	1		
е	Is the well locked and is the lock in good condition?	1	_	
3 Surface				
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 no	1		
1.0	move when stepped on)	-/-		_
е	Is the pad surface clean (not covered with sediment or debris)?	V		-
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1	_	
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	V		100
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	1		
	couplings in construction)			
5 Samplin	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			-
-	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?			7
6 Based o	n 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 Correctiv	ve actions as needed, by date:	_		
. 50,,550		_	39	THERE
Contract of the contract of th			1	ATEF/



Site Name	Plant Mitchell			
Permit Number	THE STATE OF THE S	-		
Well ID	PZ-27	-		
Date	10/05/2020			n/a
1 Locatio	n/Identification	yes	no	ma
	Is the well visible and accessible?	1/		
a	Is the well properly identified with the correct well ID?	-	_	
b	Is the well in a high traffic area and does the well require			
C	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)	1		
2 Protect	ive Casing			
a	Is the protective casing free from apparent damage and able to be			
- 4	secured?	1		
b	Is the casing free of degradation or deterioration?	7		7
C	Does the casing have a functioning weep hole?	-/	_	
d	Is the annular space between casings clear of debris and water,			
Q	or filled with pea gravel/sand?	V.		
е	Is the well locked and is the lock in good condition?	1		=
3 Surface	anad			
	Is the well pad in good condition (not cracked or broken)?			
a b	Is the well pad sloped away from the protective casing?	1	-	
	Is the well pad in complete contact with the protective casing?	7	_	\leftarrow
C	Is the well pad in complete contact with the ground surface and	_	_	-
d	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1		
2.	Is the pad surface clean (not covered with sediment or debris)?	-		
е	is the pad surface clear (not covered with sediment or debris)?		_	
4 Internal				
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from	2		
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	12		
d	Is the survey point clearly marked on the inner casing?	1		
е	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	1		
	couplings in construction)			
5 Samplin	ng: Groundwater Wells Only:	_		
а	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?			1
-C	Does the well require redevelopment (low flow, turbid)?	=		V
6 Paged	on your professional judgement, is the well construction / location	-		
o based (appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	yes		
	requirements:	700		
7 Correct	ive actions as needed, by date:			THE PARTY OF THE P
U.			5	CTEFAN CL



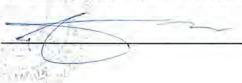
Site Name	Plant Mitchell	_		
Permit Number	D7.00	_		
Well ID Date	PZ-28	-0		
Date	10/05/2020	-	no	nla
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	-/-		_
C	Is the well in a high traffic area and does the well require			
1,2	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)	1		
0.0-1-1	no Carta			
	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?		-	_
	Does the casing have a functioning weep hole?	-	$\overline{}$	-
c d	Is the annular space between casings clear of debris and water,	_	_	-
u	or filled with pea gravel/sand?	. 7		
е	Is the well locked and is the lock in good condition?	-		
			-	_
3 Surface				
а	Is the well pad in good condition (not cracked or broken)?	_/		
b	Is the well pad sloped away from the protective casing?	V		
С	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 no	t		
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	_/		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from		-	
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	1		=
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	O.		
	couplings in construction)	1		
5 Samplin	g: Groundwater Wells Only:			
a <u>Samplin</u>	Does well recharge adequately when purged?			7
b	If dedicated sampling equipment installed, is it in good condition			~
.0	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?	_	$\overline{}$	-
	Server Street tradents is asserted in Street House House House House			
6 Based o	n 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	100		
	requirements?	V		
7 Correction	ve actions as needed, by date:			
Corrective	adiona de nocaca, by date.			THE PARTY OF THE P

Site Name	Plant Mitchell	5		
Permit Number Well ID	PZ-29			
Date	10/05/2020	5		
Date	1,02,1000	yes	no	n/a
1 Location	/Identification			
a	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?	1		
С	Is the well in a high traffic area and does the well require	- 1		
	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,	1		
	nor is well located in obvious drainage flow path)			
2 Protectiv	o Casing			
a	Is the protective casing free from apparent damage and able to be			
a	secured?	1		
b	Is the casing free of degradation or deterioration?	•/		
C	Does the casing have a functioning weep hole?	1	_	
d	Is the annular space between casings clear of debris and water,	Tai		
	or filled with pea gravel/sand?	V		
е	Is the well locked and is the lock in good condition?	V		
12.2		77.7		
3 Surface				
a	Is the well pad in good condition (not cracked or broken)?	-	_	_
b	Is the well pad sloped away from the protective casing? Is the well pad in complete contact with the protective casing?		_	_
C	Is the well pad in complete contact with the ground surface and	3/	_	_
d	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	7	_	
2 3 7 7 7	Visite Para Carrier Street Visite Street Carrier St			
4 Internal of	casing			
а	Does the cap prevent entry of foreign material into the well?		-	
Ь	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?	1		
d	Is the survey point clearly marked on the inner casing?		_	
e	Is the depth of the well consistent with the original well log?		-	
1	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)	1		
	couplings in construction/	_		
5 Sampling	g: Groundwater Wells Only:			10.00
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)?	_		1
6 Rosed or	your professional judgement, is the well construction / location			
O Dased Of	appropriate to 1) achieve the objectives of the Groundwater	_		
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	/		
/ Correctiv	e actions as needed, by date:			animor-
1 -21-			ES US	TEFAN SHOPE
1	<u></u>		B \$1-	M





Name	Plant Mitchell			
nit Number				
ID	PZ-31			
	10/05/2020	300		
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	-/-	$\overline{}$	-
	Is the well in a high traffic area and does the well require			_
С	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		Ī
2 Protect	ive Casing			
a	Is the protective casing free from apparent damage and able to be			
	secured?	1		
b	Is the casing free of degradation or deterioration?	T		_
С	Does the casing have a functioning weep hole?	1	_	
d	Is the annular space between casings clear of debris and water,	- 1		
	or filled with pea gravel/sand?	/		
е	Is the well locked and is the lock in good condition?	1	=	
3 Surface	e pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	1		_
C	Is the well pad in complete contact with the protective casing?	1		_
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)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	7	_	
4 Internal	agging			
	Does the cap prevent entry of foreign material into the well?	-		
a	Is the casing free of kinks or bends, or any obstructions from			_
Ь	foreign objects (such as bailers)?	1		
	Is the well properly vented for equilibration of air pressure?			_
C				_
d	Is the survey point clearly marked on the inner casing?			_
e f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched	X		V
T.	or can it be taken apart by hand due to lack of grout or use of slip	- 22		
	couplings in construction)	1		
Land to the			_	-
5 Samplin	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			J
ь	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)?	_		V
6 Based o	n 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?	1		
44				
7 Correctiv	ve actions as needed, by date:			
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Site Name	Plant Mitchell	_		
Permit Number		-		
Vell ID	PZ-32	-		
Date	10/05/2020	yes	no	n/a
1 Locatio	n/Identification	yes	110	10.4
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	1		
C	Is the well in a high traffic area and does the well require	-		
200	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,	17.		
	nor is well located in obvious drainage flow path)			
2 Protect	ive Casing			
а	Is the protective casing free from apparent damage and able to be	7		
	secured?	V		
b	Is the casing free of degradation or deterioration?	1		
C	Does the casing have a functioning weep hole?	V		-
d	Is the annular space between casings clear of debris and water,		-	-
u	or filled with pea gravel/sand?	1		
	Is the well locked and is the lock in good condition?		_	-
е	Is the well locked and is the lock in good condition:		_	+
3 Surface	e pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	V		
C	Is the well pad in complete contact with the protective casing?	1		
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does no	t		
	move when stepped on)	V		
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from		(
	foreign objects (such as bailers)?	1		
С	Is the well properly vented for equilibration of air pressure?	V		
d	Is the survey point clearly marked on the inner casing?	7		
	Is the depth of the well consistent with the original well log?			1
e	Is the casing stable? (or does the pvc move easily when touched	_	_	
.0	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	/		
	odupiningo in content desiren)			
5 Samplin	ng: Groundwater Wells Only:			3
а	Does well recharge adequately when purged?			V
b	If dedicated sampling equipment installed, is it in good condition			1
	and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?			
6 Rased	on your professional judgement, is the well construction / location			
o Daseu	appropriate to 1) achieve the objectives of the Groundwater	-		
	Monitoring Program and 2) comply with the applicable regulatory	100		
	requirements?	1		
	requirements:		_	-
7 Correct	ive actions as needed, by date:			
-41	THE STATE OF THE S			
			6	Mannin D



e Name	Plant Mitchell	_);		
rmit Number	Walter and the second s	_		
ell ID	PZ-33			
ite	19/05/2020		444	4.62
1 Location	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	112		
b	Is the well properly identified with the correct well ID?		\rightarrow	-
c	Is the well in a high traffic area and does the well require		_	
· ·	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	7	3	
2 Protectiv	ve Casina			
a	Is the protective casing free from apparent damage and able to be	_		
a	secured?	1		
b	Is the casing free of degradation or deterioration?	7		
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?	V		
e	Is the well locked and is the lock in good condition?	7 -		-
			_	
3 Surface				
а	Is the well pad in good condition (not cracked or broken)?	1		
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	A		
	move when stepped on)	V		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
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)?	1		
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?		_	-7
f	Is the casing stable? (or does the pvc move easily when touched		_	1/
30	or can it be taken apart by hand due to lack of grout or use of slip			
17. 1	couplings in construction)	1		
3				
5 Sampling	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	-3-		
b	If dedicated sampling equipment installed, is it in good condition			4
100 (1)	and specified in the approved groundwater plan for the facility?	نے سے		
C	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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	,OK		
	requirements?	1		
			_	
7 Correctiv	ve actions as needed, by date:			-centra-
			5	C STEFAN CO.



me Number	Plant Mitchell N/A	-		
vumber	MH-B-034 PZ-01R	-		
	10/05/2020			
4 1		Yes	No	n/a
1 Location	/Identification	1		
b	Is the well visible and accessible?		_	_
С	Is the well properly identified with the correct well ID? 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)			1
2 Protective	e Casing			
а	Is the protective casing free from apparent damage and able to be secured?		_	V
b	Is the casing free of degradation or deterioration?			1.6
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?			V
е	Is the well locked and is the lock in good condition?			1
3 Surface p				-
a a	Is the well pad in good condition (not cracked or broken)?			V
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 protective casing? 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)			v
е	Is the pad surface clean (not covered with sediment or debris)?			V
4 Internal c	asing			
a	Does the cap prevent entry of foreign material into the well?	V		
b	그렇게 하셨다면 가게 되면 그렇게 되는 것이 없는 것이 되었다면 하다.	_		-
	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	8		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	1		
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)	N	_	_
Sampling	: Groundwater Wells Only:			-
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition	_		~
U	and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?			V
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?	1		
Corrective	e actions as needed, by date:			STATISTICS

Signature and Seal of PE/PG responsible for inspection

4



ame	Plant Mitchell	200		
Number	N/A	-		
O	MH-B-12 PZ-02R	0		
	TAINALDARA	Yes	No	n/a
1 Location	n/Identification	-450	1225	-50
a	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	71		
Ċ	Is the well in a high traffic area and does the well require protection from traffic?	+	2	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	×		1
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?		_	_2_
b	Is the casing free of degradation or deterioration?			1
C	Does the casing have a functioning weep hole?			1
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			7
е	Is the well locked and is the lock in good condition?			7
		_	_	
3 Surface a	하다면 하는 다른 사람들이 아니라 아이들이 내려가 되었다. 그는 사람이 되었다.			3.
	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?	_		1
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)?	_		1
4 months		-		
4 Internal a	casing			
u	Does the cap prevent entry of foreign material into the well?	V		
ь	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	1		
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)		_	
5 Sampling	g: Groundwater Wells Only:			
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			
D	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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?	100		THE STATE OF THE PARTY OF THE P
	e actions as needed, by date:			SSTEFAN SA





Number	N/A			
	10/05/2020			
1 Location	n/Identification	Yes	No	n/a
a	Is the well visible and accessible?	211		
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)	\equiv	Ĭ	
2 Protecti	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			~
b	Is the casing free of degradation or deterioration?			7
С	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?			~
е	Is the well locked and is the lock in good condition?			
2 0		_		
3 <u>Surface</u> a				
b	Is the well pad in good condition (not cracked or broken)?			_
	Is the well pad sloped away from the protective casing?	_		
d	Is the well pad in complete contact with the protective casing? 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)?	_	_	
		_		
4 Internal a				
	Does the cap prevent entry of foreign material into the well?	1		_
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	V		
d				
е	Is the survey point clearly marked on the inner casing?		_	
f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched	1		
	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	1		
Sampling	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			V
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			V
C	Does the well require redevelopment (low flow, turbid)?			-/
Based or	n 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?	1	₫.	- criffing
Correctiv	re actions as needed, by date:			STEFAN STEFAN

Signature and Seal of PE/PG responsible for inspection

4

Name	Plant Mitchell			
mit Number	THAY 400			
II ID	MW-102	-5		
е	10/05/2020	yes	no	n/a
1 Location	n/Identification	yes	110	III
a	Is the well visible and accessible?	N		
b	Is the well properly identified with the correct well ID?	-7	_	
C	Is the well in a high traffic area and does the well require			
· ·	protection from traffic?	V		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
a	secured?	1		
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,			_
U	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	-		
C	13 the Well looked and to the look in good condition.		_	_
3 Surface				
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	/		
C	Is the well pad in complete contact with the protective casing?	1		
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)	1	_	
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	1		
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?	7		_
d	Is the survey point clearly marked on the inner casing?	-		
е	Is the depth of the well consistent with the original well log?			1
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)	1		
5 Samplin	g: Groundwater Wells Only:	_		
a <u>Sampiii</u>	Does well recharge adequately when purged?	X		1
b	If dedicated sampling equipment installed, is it in good condition		_	
U	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?			
6 Based o	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	100		
	requirements?			_
7 Correcti	ve actions as needed, by date;			
ATACH STATE	or menous naturation of agrical			THUMIN .



Site Name	Plant Mitchell	_		
Permit Number	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Well ID	MW-108	-(
Date	10/05/2020	yes	no	n/a
1 Locat	ion/Identification	yes	110	illa
а	Is the well visible and accessible?	1		
ь	Is the well properly identified with the correct well ID?	-	_	
С	Is the well in a high traffic area and does the well require			
	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,	$\overline{}$	_	
	nor is well located in obvious drainage flow path)	1		
2 Protec	ctive Casing			
а	Is the protective casing free from apparent damage and able to be			
-	secured?	1		
Ь	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,		_	
u	or filled with pea gravel/sand?			
6	Is the well locked and is the lock in good condition?	4		
е	is the well locked and is the lock in good condition?	~	-	_
3 Surfac	ce pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
ь	Is the well pad sloped away from the protective casing?	1		
C	Is the well pad in complete contact with the protective casing?	1		
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)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	2		_
Atabasa	Distriction			
4 Interna				
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)?	1		
C	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?	1		
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	1		
	couplings in construction)			
5 Sampl	ing: Groundwater Wells Only:	_		
a	Does well recharge adequately when purged?			11
b	If dedicated sampling equipment installed, is it in good condition			
U	and specified in the approved groundwater plan for the facility?			
•	Does the well require redevelopment (low flow, turbid)?	_		
C	Does the well require redevelopment (low now, turbid):	_	_	3/
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?	1		
9.4	PLANTING AND ADDRESS OF THE PARTY.	=		
/ Correc	tive actions as needed, by date:		555	AS STEFAN
William Jake	e		30	HOOM
No.	74		B #/	31113
Signature and So	eal of PE/PG responsible for inspection		8	100



Number	MW-111	=		
)	10/05/2020	-3		
	10/08 (2000	yes	no	n/a
1 Locatio	n/Identification	,		711-61
а	Is the well visible and accessible?	1		
b	Is the well properly identified with the correct well ID?	5.7		
C	Is the well in a high traffic area and does the well require			
	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		
0.5		_	_	_
	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?	1		_
Ь	Is the casing free of degradation or deterioration?	1		_
C	Does the casing have a functioning weep hole?	1.		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	/		
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	1	_	
С	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)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	1	_	
4 Internal	casing			
a	Does the cap prevent entry of foreign material into the well?	-7		
b	Is the casing free of kinks or bends, or any obstructions from			
U	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	1_		
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)			_
5 Samplin	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			1
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			0
C	Does the well require redevelopment (low flow, turbid)?			1
6 Basad o	n your professional judgement, is the well construction / location			
o pased 0	appropriate to 1) achieve the objectives of the Groundwater	$\overline{}$		
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	1		
			_	
7 Correctiv	ve actions as needed, by date:		SSISS	S STEFAN S
du S	3		E MARK	R
190	Te .		B #/	11

it Number	MW 112	-		
ID	MW-113 10/05/2020	-0		
	10/05/2020	yes	00	n/a
1 Location	n/Identification	yes	no	1116
а	Is the well visible and accessible?	2		
b	Is the well properly identified with the correct well ID?	/		_
С	Is the well in a high traffic area and does the well require protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	1		Ξ
2 Protectiv	ve Casing			
a	Is the protective casing free from apparent damage and able to be	-		
a	secured?	/		
b	Is the casing free of degradation or deterioration?		-	
C	Does the casing have a functioning weep hole?	-7		-
d	Is the annular space between casings clear of debris and water,			-
	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	1		
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	-	-	_
C	Is the well pad in complete contact with the protective casing?	-7	_	_
d	Is the well pad in complete contact with the ground surface and		_	_
9	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1		
е	Is the pad surface clean (not covered with sediment or debris)?		\equiv	
4 Internal	rasing			
a	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from			_
-	foreign objects (such as bailers)?	1/		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	1		_
е	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)	V		
5 Sampling	g: Groundwater Wells Only:	_		
а	Does well recharge adequately when purged?			V
b	If dedicated sampling equipment installed, is it in good condition			_
	and specified in the approved groundwater plan for the facility?			1
C	Does the well require redevelopment (low flow, turbid)?			V
6 Based or	your professional judgement, is the well construction / location			
2 20000 01	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	1		
	The state of the s		_	
	e actions as needed, by date:			amin
The prote	ective casing is rusting and deteriorting. May need replacing soon.		STATE	STEFAN S



Site Name	Plant Mitchell			
Permit Number				
Well ID	MW-115			
Date	10/05/2020	200.		600
1 Locatio	n/Identification	yes	no	n/a
a	Is the well visible and accessible?	2/		
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?	1		
d	Is the drainage around the well acceptable? (no standing water,		-	
	nor is well located in obvious drainage flow path)	1		
2 Protecti	ive Casing			
a	Is the protective casing free from apparent damage and able to be			
4.	secured?	1		
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?	1		
е	Is the well locked and is the lock in good condition?	1		
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	7		
b	Is the well pad sloped away from the protective casing?	1		-
C	Is the well pad in complete contact with the protective casing?	1		
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)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	7		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	7		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?			V
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	1		
	couplings in construction)			
5 Samplin	g: Groundwater Wells Only:	_		
а	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)?			V
6 Based o	n 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?	1		
440000	to the state of th	_		7
/ Corrective	ve actions as needed, by date:			Manny.
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Site Name	Plant Mitchell			
Permit Number	Contract to the contract of th	-		
Well ID	MW-116	-0		
Date	10/05/2020	- 1/06	no	n/a
1 Loca	tion/Identification	yes	no	IIIa
a	Is the well visible and accessible?	1		
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?	1		
d	Is the drainage around the well acceptable? (no standing water,			
177	nor is well located in obvious drainage flow path)	1	تست	
2 Prote	ctive Casing			
a <u>11010</u>	Is the protective casing free from apparent damage and able to be			
u	secured?	1		
b	Is the casing free of degradation or deterioration?	-1	_	_
C	Does the casing have a functioning weep hole?	-	_	_
	Is the annular space between casings clear of debris and water,		_	
ď	or filled with pea gravel/sand?	1		
е	Is the well locked and is the lock in good condition?	7		_
			_	_
3 Surfa	ce pad			
a	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	_	-	
C	Is the well pad in complete contact with the protective casing?	_		
ď	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does no	t		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?	V		
4 Intern	nal casing			
a	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from			-
	foreign objects (such as bailers)?	1		
C	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	1		
е	Is the depth of the well consistent with the original well log?			V
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	1		
	couplings in construction)		_	_
5 Samo	oling: Groundwater Wells Only:	_		11
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)?			V
6 D===	d on your professional judgement, is the well construction / location	_		
o base				
	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory	./		
	requirements?		-	
7.0	This walland as accorded by defer			

Signature and Seal of PE/PG responsible for inspection

in the



Test Date / Time: 3/3/2021 10:10:03 AM **Project:** Plant Mitchell CCR PHASE 2

Operator Name: Ever Guillen

Location Name: PZ-1D
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 71.71 ft
Total Depth: 81.71 ft

Initial Depth to Water: 40.02 ft

Pump Type: QED
Tubing Type: HDPE

Pump Intake From TOC: 76.71 ft Estimated Total Volume Pumped:

12 liter

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 1.19 ft Instrument Used: Aqua TROLL 400

Serial Number: 728634

Test Notes:

Sampled at 1115

Weather Conditions:

Cold, cloudy, some rain

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 10:10 AM	00:00	6.38 pH	14.21 °C	326.36 μS/cm	8.52 mg/L	2.18 NTU	136.7 mV	40.92 ft	200.00 ml/min
3/3/2021 10:15 AM	05:00	6.93 pH	14.98 °C	273.70 μS/cm	2.09 mg/L	22.60 NTU	-17.2 mV	41.12 ft	200.00 ml/min
3/3/2021 10:20 AM	10:00	7.25 pH	17.62 °C	259.59 μS/cm	1.60 mg/L	19.40 NTU	13.8 mV	41.12 ft	200.00 ml/min
3/3/2021 10:25 AM	15:00	7.38 pH	17.70 °C	257.16 μS/cm	1.77 mg/L	16.20 NTU	25.0 mV	41.12 ft	200.00 ml/min
3/3/2021 10:30 AM	20:00	7.45 pH	17.26 °C	258.83 μS/cm	1.79 mg/L	12.80 NTU	30.5 mV	41.12 ft	200.00 ml/min
3/3/2021 10:35 AM	25:00	7.48 pH	17.26 °C	259.85 μS/cm	1.76 mg/L	9.60 NTU	32.5 mV	41.12 ft	200.00 ml/min
3/3/2021 10:40 AM	30:00	7.47 pH	17.09 °C	262.12 μS/cm	1.98 mg/L	6.70 NTU	36.2 mV	41.12 ft	200.00 ml/mir
3/3/2021 10:45 AM	35:00	7.52 pH	17.38 °C	262.24 μS/cm	2.13 mg/L	1.66 NTU	38.4 mV	41.12 ft	200.00 ml/mir
3/3/2021 10:50 AM	40:00	7.54 pH	17.40 °C	263.04 μS/cm	2.29 mg/L	2.09 NTU	37.8 mV	41.21 ft	200.00 ml/mir
3/3/2021 10:55 AM	45:00	7.56 pH	17.32 °C	265.30 μS/cm	2.46 mg/L	2.20 NTU	37.8 mV	41.21 ft	200.00 ml/mir
3/3/2021 11:00 AM	50:00	7.52 pH	17.22 °C	264.64 μS/cm	2.54 mg/L	1.91 NTU	44.0 mV	41.21 ft	200.00 ml/mir
3/3/2021 11:05 AM	55:00	7.55 pH	17.52 °C	266.48 μS/cm	2.58 mg/L	1.48 NTU	41.4 mV	41.21 ft	200.00 ml/mir
3/3/2021 11:10 AM	01:00:00	7.56 pH	17.75 °C	268.02 μS/cm	2.63 mg/L	1.07 NTU	41.5 mV	41.21 ft	200.00 ml/mir

Samples

Sample ID:	Description:
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Test Date / Time: 3/8/2021 2:57:11 PM **Project:** Plant Mitchell CCR Phase II (7) **Operator Name:** Daniel Howard

Location Name: PZ-2D
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 70.97 ft
Total Depth: 80.97 ft

Initial Depth to Water: 20.77 ft

Pump Type: QED Sample Pro

Tubing Type: HDPE

Pump Intake From TOC: 75.97 ft Estimated Total Volume Pumped:

7550 ml

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.17 ft Instrument Used: Aqua TROLL 400

Serial Number: 728623

Test Notes:

PZ-2D sample time 1534

Weather Conditions:

Clear, Temp 65 F

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/8/2021 2:57 PM	00:00	7.79 pH	19.82 °C	184.92 μS/cm	3.93 mg/L	2.85 NTU	93.1 mV	20.77 ft	200.00 ml/min
3/8/2021 3:02 PM	05:00	7.97 pH	18.75 °C	181.92 μS/cm	3.85 mg/L	3.88 NTU	81.2 mV	20.94 ft	200.00 ml/min
3/8/2021 3:07 PM	10:00	7.91 pH	18.58 °C	196.84 μS/cm	3.79 mg/L	1.58 NTU	78.3 mV	20.94 ft	200.00 ml/min
3/8/2021 3:12 PM	15:00	7.83 pH	18.52 °C	208.79 μS/cm	3.81 mg/L	1.55 NTU	77.9 mV	20.94 ft	200.00 ml/min
3/8/2021 3:17 PM	20:00	7.79 pH	18.52 °C	215.36 μS/cm	3.75 mg/L	1.78 NTU	92.5 mV	20.94 ft	200.00 ml/min
3/8/2021 3:22 PM	25:00	7.77 pH	18.48 °C	215.89 μS/cm	3.72 mg/L	1.47 NTU	78.0 mV	20.94 ft	200.00 ml/min
3/8/2021 3:27 PM	30:00	7.78 pH	18.57 °C	214.89 μS/cm	3.69 mg/L	1.53 NTU	75.4 mV	20.94 ft	200.00 ml/min
3/8/2021 3:32 PM	35:00	7.77 pH	18.52 °C	216.76 μS/cm	3.68 mg/L	1.91 NTU	75.5 mV	20.94 ft	200.00 ml/min
3/8/2021 3:34 PM	37:45	7.77 pH	18.52 °C	216.49 μS/cm	3.68 mg/L		81.5 mV	20.94 ft	200.00 ml/min

Samples

Sample ID:

Test Date / Time: 3/4/2021 12:44:15 PM Project: Plant Mitchell CCR Phase II (6) Operator Name: Daniel Howard

Location Name: PZ-7D
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 50.37 ft
Total Depth: 60.37 ft

Initial Depth to Water: 23.33 ft

Pump Type: QED micropurge

Bladder

Tubing Type: HDPE

Pump Intake From TOC: 55.37 ft Estimated Total Volume Pumped:

6000 ml

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: -0.02 ft Instrument Used: Aqua TROLL 400

Serial Number: 728623

Test Notes:

PZ-7D sample time 1316

Weather Conditions:

Clear and sunny. Temp 65F

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/4/2021 12:44 PM	00:00	7.11 pH	23.44 °C	580.63 μS/cm	1.30 mg/L	34.30 NTU	8.9 mV	23.33 ft	200.00 ml/min
3/4/2021 12:49 PM	05:00	6.98 pH	21.20 °C	578.07 μS/cm	0.70 mg/L	24.70 NTU	55.9 mV	23.35 ft	200.00 ml/min
3/4/2021 12:54 PM	10:00	6.96 pH	20.84 °C	582.24 μS/cm	0.59 mg/L	17.30 NTU	64.0 mV	23.35 ft	200.00 ml/min
3/4/2021 12:59 PM	15:00	6.96 pH	20.64 °C	585.07 μS/cm	0.53 mg/L	9.63 NTU	70.0 mV	23.35 ft	200.00 ml/min
3/4/2021 1:04 PM	20:00	6.95 pH	20.59 °C	585.54 μS/cm	0.52 mg/L	5.94 NTU	72.9 mV	23.31 ft	200.00 ml/min
3/4/2021 1:09 PM	25:00	6.95 pH	20.44 °C	586.37 μS/cm	0.52 mg/L	2.31 NTU	74.8 mV	23.31 ft	200.00 ml/min
3/4/2021 1:14 PM	30:00	6.95 pH	20.43 °C	587.33 μS/cm	0.51 mg/L	2.21 NTU	76.3 mV	23.31 ft	200.00 ml/min

Samples

Sample ID:	Description:
Sample ID:	Description:

	PZ-7D sample time 1316.
PZ-7D	

Test Date / Time: 3/3/2021 12:46:36 PM **Project:** Plant Mitchell CCR Phase 2 **Operator Name:** Andreas Shoredits

Location Name: PZ-14
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 42.75 ft

Total Depth: 53.2 ft

Initial Depth to Water: 36.38 ft

Pump Type: QED dedicated bladder

Tubing Type: HDPE

Pump Intake From TOC: 48.2 ft Estimated Total Volume Pumped:

4050 liter

Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.24 ft Instrument Used: Aqua TROLL 400

Serial Number: 728638

Test Notes:

Start purging well @ 12:46, stop purging @ 13:11; pH @ sample collection time is 6.99

Weather Conditions:

Cloudy, 13 degrees C, Windy

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 12:46 PM	00:00	7.90 pH	14.80 °C	279.94 μS/cm	9.64 mg/L	6.73 NTU	95.4 mV	36.47 ft	120.00 ml/min
3/3/2021 12:51 PM	05:00	7.02 pH	18.96 °C	510.31 μS/cm	5.26 mg/L	4.01 NTU	79.6 mV	36.62 ft	180.00 ml/min
3/3/2021 12:56 PM	10:00	7.00 pH	19.34 °C	510.80 μS/cm	4.95 mg/L	2.75 NTU	110.1 mV	36.63 ft	170.00 ml/min
3/3/2021 1:01 PM	15:00	7.00 pH	19.41 °C	510.65 μS/cm	4.85 mg/L	1.39 NTU	108.7 mV	36.62 ft	170.00 ml/min
3/3/2021 1:06 PM	20:00	7.00 pH	19.49 °C	511.02 μS/cm	4.83 mg/L	1.02 NTU	72.9 mV	36.62 ft	170.00 ml/min
3/3/2021 1:11 PM	25:00	6.99 pH	19.63 °C	511.39 μS/cm	4.77 mg/L	0.97 NTU	72.0 mV	36.62 ft	170.00 ml/min

Samples

Sample ID:	Description:
PZ-14	Groundwater sample collected @ 13:20

Test Date / Time: 3/4/2021 10:14:48 AM Project: Plant Mitchell CCR Phase II (5) Operator Name: Daniel Howard

Location Name: PZ-15
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 73.22 ft
Total Depth: 83.22 ft

Initial Depth to Water: 21.59 ft

Pump Type: QED micropurge

Bladder

Tubing Type: HDPE

Pump Intake From TOC: 78.22 ft Estimated Total Volume Pumped:

6000 ml

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.03 ft Instrument Used: Aqua TROLL 400

Serial Number: 728623

Test Notes:

PZ-15 sample time 1046

Weather Conditions:

Clear and Sunny. Temp 58 F

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/4/2021 10:14 AM	00:00	7.23 pH	20.97 °C	535.41 μS/cm	0.62 mg/L	2.78 NTU	-111.3 mV	21.59 ft	200.00 ml/min
3/4/2021 10:19 AM	05:00	7.10 pH	20.65 °C	553.05 μS/cm	0.23 mg/L	8.50 NTU	-5.0 mV	21.65 ft	200.00 ml/min
3/4/2021 10:24 AM	10:00	7.10 pH	20.96 °C	551.44 μS/cm	0.19 mg/L	2.64 NTU	25.7 mV	21.65 ft	200.00 ml/min
3/4/2021 10:29 AM	15:00	7.10 pH	20.84 °C	551.19 μS/cm	0.17 mg/L	1.40 NTU	33.7 mV	21.63 ft	200.00 ml/min
3/4/2021 10:34 AM	20:00	7.10 pH	20.84 °C	551.42 μS/cm	0.16 mg/L	1.06 NTU	35.6 mV	21.62 ft	200.00 ml/min
3/4/2021 10:39 AM	25:00	7.09 pH	21.10 °C	552.91 μS/cm	0.15 mg/L	0.66 NTU	35.5 mV	21.62 ft	200.00 ml/min
3/4/2021 10:44 AM	30:00	7.09 pH	21.24 °C	551.91 μS/cm	0.15 mg/L	0.82 NTU	34.8 mV	21.62 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Test Date / Time: 3/4/2021 10:35:08 AM Project: Plant Mitchell CCR PHASE 2 (4)

Operator Name: Ever Guillen

Location Name: PZ-16
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 43.19 ft
Total Depth: 53.19 ft

Initial Depth to Water: 25.68 ft

Pump Type: QED
Tubing Type: HDPE

Pump Intake From TOC: 76.71 ft Estimated Total Volume Pumped:

7 liter

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min

Final Draw Down: 0 ft

Instrument Used: Aqua TROLL 400

Serial Number: 728634

Test Notes:

Sampled at 1115

Weather Conditions:

Cold, clear, dry

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/4/2021 10:35 AM	00:00	6.34 pH	18.46 °C	398.84 μS/cm	8.54 mg/L	1.15 NTU	124.4 mV	25.38 ft	200.00 ml/min
3/4/2021 10:40 AM	05:00	7.18 pH	19.85 °C	446.71 μS/cm	2.11 mg/L	8.76 NTU	72.8 mV	25.68 ft	200.00 ml/min
3/4/2021 10:45 AM	10:00	7.27 pH	20.16 °C	449.68 μS/cm	1.61 mg/L	7.18 NTU	80.6 mV	25.68 ft	200.00 ml/min
3/4/2021 10:50 AM	15:00	7.31 pH	20.20 °C	442.74 μS/cm	1.52 mg/L	6.31 NTU	62.6 mV	25.68 ft	200.00 ml/min
3/4/2021 10:55 AM	20:00	7.32 pH	20.20 °C	440.87 μS/cm	1.48 mg/L	4.62 NTU	61.0 mV	25.68 ft	200.00 ml/min
3/4/2021 11:00 AM	25:00	7.32 pH	20.39 °C	441.00 μS/cm	1.48 mg/L	3.91 NTU	59.4 mV	25.68 ft	200.00 ml/min
3/4/2021 11:05 AM	30:00	7.33 pH	20.38 °C	444.01 μS/cm	1.50 mg/L	3.06 NTU	57.3 mV	25.68 ft	200.00 ml/min
3/4/2021 11:10 AM	35:00	7.34 pH	20.50 °C	442.31 µS/cm	1.50 mg/L	1.78 NTU	56.8 mV	25.68 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Test Date / Time: 3/4/2021 9:26:18 AM **Project:** Plant Mitchell CCR Phase 2 **Operator Name:** Andreas Shoredits

Location Name: PZ-17
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 52.25 ft

Total Depth: 62.7 ft

Initial Depth to Water: 22.69 ft

Pump Type: QED dedicated bladder

Tubing Type: HDPE

Pump Intake From TOC: 57.7 ft Estimated Total Volume Pumped:

6850 ml

Flow Cell Volume: 90 ml Final Flow Rate: 260 ml/min Final Draw Down: 0.19 ft Instrument Used: Aqua TROLL 400

Serial Number: 728638

Test Notes:

Start purging well @ 09:25, stop purging @ 09:51; pH @ sample collection is 7.09

Weather Conditions:

Sunny, 12 degrees C

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/4/2021 9:26 AM	00:00	7.29 pH	15.02 °C	651.25 μS/cm	6.65 mg/L	2.06 NTU	-5.9 mV	22.86 ft	330.00 ml/min
3/4/2021 9:31 AM	05:00	7.12 pH	19.44 °C	534.12 μS/cm	0.57 mg/L	4.08 NTU	13.1 mV	22.90 ft	260.00 ml/min
3/4/2021 9:36 AM	10:00	7.10 pH	19.49 °C	540.64 μS/cm	0.19 mg/L	3.56 NTU	14.7 mV	22.88 ft	260.00 ml/min
3/4/2021 9:41 AM	15:00	7.09 pH	19.62 °C	547.63 μS/cm	0.16 mg/L	2.92 NTU	15.8 mV	22.87 ft	260.00 ml/min
3/4/2021 9:46 AM	20:00	7.09 pH	19.72 °C	553.47 μS/cm	0.15 mg/L	1.94 NTU	14.6 mV	22.88 ft	260.00 ml/min
3/4/2021 9:51 AM	25:00	7.09 pH	19.70 °C	556.36 μS/cm	0.15 mg/L	1.50 NTU	13.3 mV	22.88 ft	260.00 ml/min

Samples

Sample ID:	Description:			
PZ-17	Groundwater sample collected @ 10:00			

Test Date / Time: 3/4/2021 10:40:27 AM **Project:** Plant Mitchell CCR Phase 2 **Operator Name:** Andreas Shoredits

Location Name: PZ-18
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 52.73 ft

Total Depth: 63.18 ft

Initial Depth to Water: 20.59 ft

Pump Type: QED dedicated bladder

Tubing Type: HDPE

Pump Intake From TOC: 58.18 ft Estimated Total Volume Pumped:

5550 ml

Flow Cell Volume: 90 ml Final Flow Rate: 260 ml/min Final Draw Down: 0.03 ft Instrument Used: Aqua TROLL 400

Serial Number: 728638

Test Notes:

Start purging well @ 10:39, stop purging @ 11:00; pH @ sample collection is 6.91

Weather Conditions:

Sunny, 16 degrees C

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/4/2021 10:40 AM	00:00	7.46 pH	18.92 °C	520.97 μS/cm	7.24 mg/L	2.75 NTU	40.4 mV	20.66 ft	330.00 ml/min
3/4/2021 10:45 AM	05:00	6.93 pH	20.79 °C	686.47 μS/cm	0.50 mg/L	2.98 NTU	11.9 mV	20.63 ft	260.00 ml/min
3/4/2021 10:50 AM	10:00	6.92 pH	20.93 °C	693.99 μS/cm	0.22 mg/L	2.46 NTU	21.3 mV	20.63 ft	260.00 ml/min
3/4/2021 10:55 AM	15:00	6.91 pH	20.99 °C	692.86 μS/cm	0.14 mg/L	2.10 NTU	23.5 mV	20.62 ft	260.00 ml/min
3/4/2021 11:00 AM	20:00	6.91 pH	21.06 °C	694.53 μS/cm	0.14 mg/L	1.28 NTU	25.8 mV	20.62 ft	260.00 ml/min

Samples

Sample ID:	Description:			
PZ-18	Groundwater sample collected @ 11:05			

Low-Flow Test Report:

Test Date / Time: 3/3/2021 3:22:50 PM **Project:** Plant Mitchell CCR Phase II (4) **Operator Name:** Daniel Howard

Location Name: PZ-19
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 52.63 ft
Total Depth: 62.63 ft

Initial Depth to Water: 23.93 ft

Pump Type: QED micropurge

Bladder

Tubing Type: HDPE

Pump Intake From TOC: 57.63 ft Estimated Total Volume Pumped:

7 liter

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.01 ft Instrument Used: Aqua TROLL 400

Serial Number: 728623

Test Notes:

PZ-19 sample time

Weather Conditions:

Partly sunny. Temp 60 F

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 3:22 PM	00:00	6.90 pH	20.48 °C	815.60 μS/cm	1.48 mg/L	0.68 NTU	-92.5 mV	23.93 ft	200.00 ml/min
3/3/2021 3:27 PM	05:00	6.80 pH	20.16 °C	743.92 μS/cm	0.53 mg/L	0.81 NTU	-20.1 mV	23.93 ft	200.00 ml/min
3/3/2021 3:32 PM	10:00	6.80 pH	20.21 °C	747.42 µS/cm	0.43 mg/L	0.73 NTU	34.6 mV	23.94 ft	200.00 ml/min
3/3/2021 3:37 PM	15:00	6.79 pH	20.08 °C	743.92 μS/cm	0.34 mg/L	0.68 NTU	53.0 mV	23.94 ft	200.00 ml/min
3/3/2021 3:42 PM	20:00	6.79 pH	20.04 °C	752.51 μS/cm	0.28 mg/L	0.36 NTU	53.1 mV	23.94 ft	200.00 ml/min
3/3/2021 3:47 PM	25:00	6.79 pH	20.11 °C	746.78 µS/cm	0.27 mg/L	0.28 NTU	62.8 mV	23.94 ft	200.00 ml/min
3/3/2021 3:52 PM	30:00	6.78 pH	20.13 °C	756.27 μS/cm	0.23 mg/L	0.33 NTU	56.4 mV	23.94 ft	200.00 ml/min
3/3/2021 3:57 PM	35:00	6.78 pH	20.08 °C	759.61 µS/cm	0.20 mg/L	0.22 NTU	56.0 mV	23.94 ft	200.00 ml/min

Samples

Sample ID:	Description:
PZ-19	PZ-19 sample time 1600.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/3/2021 3:01:51 PM **Project:** Plant Mitchell CCR Phase 2 **Operator Name:** Andreas Shoredits

Location Name: PZ-23A Well Diameter: 2 in Casing Type: PVC

Screen Length: 10 ft
Top of Screen: 56.85 ft
Total Depth: 67.3 ft

Initial Depth to Water: 42.12 ft

Pump Type: QED dedicated bladder

Tubing Type: HDPE

Pump Intake From TOC: 62.3 ft Estimated Total Volume Pumped:

9075 ml

Flow Cell Volume: 90 ml Final Flow Rate: 145 ml/min Final Draw Down: 0.35 ft Instrument Used: Aqua TROLL 400

Serial Number: 728638

Test Notes:

Start purging well @ 14:56, stop purging @ 16:06; pH @ sample collection is 6.79

Weather Conditions:

Sunny, 16 degrees C

Low-Flow Readings:

				Constitution	DDO			Danth Ta	
Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 3:01 PM	00:00	7.36 pH	19.45 °C	619.46 μS/cm	5.21 mg/L	55.20 NTU	93.2 mV	42.25 ft	100.00 ml/min
3/3/2021 3:06 PM	05:00	6.85 pH	19.90 °C	772.35 μS/cm	2.58 mg/L	9.12 NTU	105.6 mV	42.31 ft	120.00 ml/min
3/3/2021 3:11 PM	10:00	6.80 pH	19.94 °C	772.92 μS/cm	2.17 mg/L	6.99 NTU	95.9 mV	42.41 ft	145.00 ml/min
3/3/2021 3:16 PM	15:00	6.79 pH	20.16 °C	765.90 μS/cm	2.24 mg/L	6.83 NTU	64.6 mV	42.47 ft	145.00 ml/min
3/3/2021 3:21 PM	20:00	6.79 pH	20.43 °C	767.54 μS/cm	2.32 mg/L	7.52 NTU	84.5 mV	42.47 ft	145.00 ml/min
3/3/2021 3:26 PM	25:00	6.79 pH	20.26 °C	760.20 μS/cm	2.38 mg/L	7.65 NTU	60.2 mV	42.47 ft	145.00 ml/min
3/3/2021 3:31 PM	30:00	6.79 pH	20.25 °C	764.19 µS/cm	2.43 mg/L	8.22 NTU	79.0 mV	42.47 ft	145.00 ml/min
3/3/2021 3:36 PM	35:00	6.79 pH	19.96 °C	761.24 μS/cm	2.45 mg/L	8.83 NTU	78.0 mV	42.47 ft	145.00 ml/min
3/3/2021 3:41 PM	40:00	6.79 pH	19.83 °C	760.75 μS/cm	2.44 mg/L	7.90 NTU	76.8 mV	42.47 ft	145.00 ml/min
3/3/2021 3:46 PM	45:00	6.79 pH	19.69 °C	759.04 µS/cm	2.45 mg/L	6.17 NTU	56.7 mV	42.47 ft	145.00 ml/min
3/3/2021 3:51 PM	50:00	6.79 pH	19.79 °C	756.96 μS/cm	2.47 mg/L	5.71 NTU	56.3 mV	42.47 ft	145.00 ml/min
3/3/2021 3:56 PM	55:00	6.79 pH	19.85 °C	758.05 μS/cm	2.49 mg/L	4.83 NTU	55.7 mV	42.47 ft	145.00 ml/min
3/3/2021 4:01 PM	01:00:00	6.79 pH	19.85 °C	756.04 µS/cm	2.49 mg/L	4.52 NTU	55.6 mV	42.47 ft	145.00 ml/min

3/3/2021 4:06	04.05.00	0.70 -11	40.77.00	750.400/2	0.54/	4 OO NITU	55 A>/	40.47.6	4.45.001/
PM	01:05:00	6.79 pH	19.77 °C	756.19 µS/cm	2.54 mg/L	4.89 NTU	55.4 mV	42.47 ft	145.00 ml/min

Samples

Sample ID:	Description:					
PZ-23A	Groundwater sample collected @ 16:15					
DUP-2	Groundwater duplicate sample					

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/3/2021 1:09:51 PM **Project:** Plant Mitchell CCR Phase II (3) **Operator Name:** Daniel Howard

Location Name: PZ-25
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 53.19 ft
Total Depth: 63.19 ft

Initial Depth to Water: 22.01 ft

Pump Type: QED micropurge

Bladder

Tubing Type: HDPE

Pump Intake From TOC: 58.19 ft Estimated Total Volume Pumped:

7000 ml

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.02 ft Instrument Used: Aqua TROLL 400

Serial Number: 728623

Test Notes:

PZ-25 sample time 1346.

Collected DUP-1 at this location.

Weather Conditions:

Overcast, 55 F

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 1:09 PM	00:00	7.08 pH	19.18 °C	459.45 μS/cm	1.44 mg/L	1.65 NTU	-57.2 mV	22.01 ft	200.00 ml/min
3/3/2021 1:14 PM	05:00	7.03 pH	19.32 °C	458.60 μS/cm	0.29 mg/L	1.14 NTU	-57.7 mV	22.03 ft	200.00 ml/min
3/3/2021 1:19 PM	10:00	7.03 pH	19.15 °C	457.75 μS/cm	0.19 mg/L	0.79 NTU	-57.6 mV	22.03 ft	200.00 ml/min
3/3/2021 1:24 PM	15:00	7.03 pH	19.17 °C	457.66 μS/cm	0.15 mg/L	0.80 NTU	-62.9 mV	22.03 ft	200.00 ml/min
3/3/2021 1:29 PM	20:00	7.03 pH	19.50 °C	459.58 μS/cm	0.15 mg/L	0.66 NTU	-88.7 mV	22.03 ft	200.00 ml/min
3/3/2021 1:34 PM	25:00	7.03 pH	19.68 °C	455.96 μS/cm	0.13 mg/L	0.54 NTU	-68.1 mV	22.03 ft	200.00 ml/min
3/3/2021 1:39 PM	30:00	7.04 pH	19.68 °C	456.18 μS/cm	0.13 mg/L	0.37 NTU	-69.8 mV	22.03 ft	200.00 ml/min
3/3/2021 1:44 PM	35:00	7.04 pH	19.71 °C	457.13 μS/cm	0.14 mg/L	0.36 NTU	-71.6 mV	22.03 ft	200.00 ml/min

Samples

Sample ID:	Description:
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PZ-25 sample time 1346. Collected DUP-1 at this location.

Created using VuSitu from In-Situ, Inc.

PZ-25

Low-Flow Test Report:

Test Date / Time: 3/3/2021 12:50:03 PM Project: Plant Mitchell CCR PHASE 2 (3)

Operator Name: Ever Guillen

Location Name: PZ-31
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 51.6 ft
Total Depth: 61.6 ft

Initial Depth to Water: 26.37 ft

Pump Type: QED
Tubing Type: HDPE

Pump Intake From TOC: 76.71 ft Estimated Total Volume Pumped:

9 liter

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.61 ft Instrument Used: Aqua TROLL 400

Serial Number: 728634

Test Notes:

Sampled at 1340

Weather Conditions:

Cold, cloudy, some light rain

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 12:50 PM	00:00	7.22 pH	18.38 °C	460.78 μS/cm	5.03 mg/L	2.56 NTU	62.7 mV	26.98 ft	200.00 ml/min
3/3/2021 12:55 PM	05:00	7.17 pH	18.54 °C	459.63 μS/cm	5.01 mg/L	15.10 NTU	71.7 mV	26.98 ft	200.00 ml/min
3/3/2021 1:00 PM	10:00	7.18 pH	19.06 °C	459.07 μS/cm	5.07 mg/L	11.90 NTU	56.8 mV	26.98 ft	200.00 ml/min
3/3/2021 1:05 PM	15:00	7.17 pH	19.23 °C	461.23 μS/cm	5.00 mg/L	8.52 NTU	71.1 mV	26.98 ft	200.00 ml/min
3/3/2021 1:10 PM	20:00	7.18 pH	19.00 °C	452.85 μS/cm	4.93 mg/L	10.30 NTU	57.5 mV	26.98 ft	200.00 ml/min
3/3/2021 1:15 PM	25:00	7.17 pH	19.40 °C	460.13 μS/cm	5.01 mg/L	8.06 NTU	71.9 mV	26.98 ft	200.00 ml/min
3/3/2021 1:20 PM	30:00	7.16 pH	19.57 °C	456.95 μS/cm	4.96 mg/L	6.61 NTU	58.1 mV	26.98 ft	200.00 ml/min
3/3/2021 1:25 PM	35:00	7.15 pH	20.24 °C	459.25 μS/cm	4.94 mg/L	5.18 NTU	57.5 mV	26.98 ft	200.00 ml/min
3/3/2021 1:30 PM	40:00	7.17 pH	19.34 °C	458.79 μS/cm	5.16 mg/L	3.46 NTU	74.1 mV	26.98 ft	200.00 ml/min
3/3/2021 1:35 PM	45:00	7.14 pH	19.45 °C	456.28 μS/cm	5.02 mg/L	1.53 NTU	61.0 mV	26.98 ft	200.00 ml/min

Samples

Sample ID:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/3/2021 9:44:10 AM **Project:** Plant Mitchell CCR Phase 2 **Operator Name:** Andreas Shoredits

Location Name: PZ-32
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 54.85 ft
Total Depth: 65.3 ft

Initial Depth to Water: 21.67 ft

Pump Type: QED dedicated bladder

Tubing Type: HDPE

Pump Intake From TOC: 60.3 ft Estimated Total Volume Pumped:

6300 ml

Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: -0.03 ft Instrument Used: Aqua TROLL 400

Serial Number: 728638

Test Notes:

Start purge @ 09:43, stop @ 10:09

Weather Conditions:

Cloudy, 9 degrees C, windy

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/3/2021 9:44 AM	00:00	7.81 pH	11.30 °C	292.29 μS/cm	10.53 mg/L	1.59 NTU	110.4 mV	21.67 ft	260.00 ml/min
3/3/2021 9:49 AM	05:00	7.41 pH	16.64 °C	319.15 μS/cm	0.91 mg/L	1.95 NTU	68.6 mV	21.70 ft	250.00 ml/min
3/3/2021 9:54 AM	10:00	7.41 pH	17.31 °C	312.40 μS/cm	0.47 mg/L	1.48 NTU	86.4 mV	21.69 ft	250.00 ml/min
3/3/2021 9:59 AM	15:00	7.40 pH	17.44 °C	311.89 μS/cm	0.41 mg/L	1.52 NTU	60.0 mV	21.68 ft	250.00 ml/min
3/3/2021 10:04 AM	20:00	7.40 pH	17.49 °C	312.25 μS/cm	0.39 mg/L	0.96 NTU	55.8 mV	21.66 ft	250.00 ml/min
3/3/2021 10:09 AM	25:00	7.41 pH	17.45 °C	311.25 μS/cm	0.39 mg/L	0.73 NTU	72.5 mV	21.64 ft	250.00 ml/min

Samples

Sample ID:	Description:
PZ-32	Groundwater sample taken @ 10:15

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/4/2021 1:27:44 PM Project: Plant Mitchell CCR PHASE 2 (5)

Operator Name: Ever Guillen

Location Name: PZ-33
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 63.6 ft
Total Depth: 73.6 ft

Initial Depth to Water: 40 ft

Pump Type: QED
Tubing Type: HDPE

Pump Intake From TOC: 68.6 ft Estimated Total Volume Pumped:

7 liter

Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.81 ft Instrument Used: Aqua TROLL 400

Serial Number: 728634

Test Notes:

Sampled at 1405

Weather Conditions:

Cold, clear, dry

Low-Flow Readings:

Date Time	Elapsed Time	рН	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/4/2021 1:27 PM	00:00	7.59 pH	20.96 °C	473.16 μS/cm	7.21 mg/L	0.62 NTU	-80.0 mV	40.57 ft	200.00 ml/min
3/4/2021 1:32 PM	05:00	7.26 pH	20.92 °C	485.55 μS/cm	0.54 mg/L	7.37 NTU	-4.1 mV	40.81 ft	200.00 ml/min
3/4/2021 1:37 PM	10:00	7.24 pH	20.56 °C	509.94 μS/cm	0.18 mg/L	5.61 NTU	15.3 mV	40.81 ft	200.00 ml/min
3/4/2021 1:42 PM	15:00	7.23 pH	20.55 °C	505.93 μS/cm	0.14 mg/L	3.89 NTU	29.3 mV	40.81 ft	200.00 ml/min
3/4/2021 1:47 PM	20:00	7.21 pH	20.64 °C	510.75 μS/cm	0.14 mg/L	2.11 NTU	34.2 mV	40.81 ft	200.00 ml/min
3/4/2021 1:52 PM	25:00	7.20 pH	20.65 °C	509.14 μS/cm	0.15 mg/L	1.16 NTU	36.3 mV	40.81 ft	200.00 ml/min
3/4/2021 1:57 PM	30:00	7.22 pH	20.89 °C	509.96 μS/cm	0.15 mg/L	1.06 NTU	36.3 mV	40.81 ft	200.00 ml/min
3/4/2021 2:02 PM	35:00	7.22 pH	21.03 °C	510.21 μS/cm	0.15 mg/L	1.27 NTU	37.1 mV	40.81 ft	200.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Date: 3 -	3-21	
Time: 06	00	v1
Prepared By	y: EVER	GUILLEN
Checked E	3y:	

Wood. Project No. 6122160170

AIR	
Pine Sonde ID: フ 28634	
AIRPine Handset ID: 72	
Battery Voltage %:_ 100	_

DISSOLVED OXYGEN (DO)	BRATION PRIOR TO SAMPLING	VALUE
Was DO membrane changed?	Yes No Date: Time:	
Current Air Temperature °C (meter reading):		19.94
Current Barometric Pressure (from Weather		
Channel or NOAA.gov, which is corrected to		_
sea level):		
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for ever	у
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	762.0
Theoretical DO (mg/L) from DO table based		
on current temperature and elevation corrected		
oressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	2,300
DO concentration after Calibration (mg/L):		9,02
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery 5008E= 1.090656	Q.
OO Charge (DO ch):	Acceptable Range is 25 to 75	
OO Gain (should be between -0.7 and 1.5):	Exit Calibration menu and go to Advanced/Cal Constants	
Note:		
	oid carry-over from pH standards (i.e. pH buffers are conductive)]	
Calibration standard used (mS/cm)		1,413
Геmperature (°С)	20,7	350
Reading before Calibration (mS/cm)		1.507
Reading AFTER Calibration (mS/cm)		1.413
Conductivity Cell Constant (unitless):		0.972
Note: Be sure conductivity cell is submerged and free of bubl	oles (gently tap sonde on table)	
δH		
oH 7.0 value before calibration:		6.92
oH 7.0 value after calibration:		710
oH 7.0 mV (range is -50 to +50 mV):		-7.5
pH 10 value before calibration:	. Taken at Albert at 1964 to 1964 at 1964 at 1964 at 1964 at 1964 at 1964 at 1964 at 1964 at 1964 at 1964 at 1 The state of the state o	10.05
pH 10 value after calibration:		1010
pH 10 mV (range is -130 to -230 mV):		-184,4
H 4.0 value before calibration:		4,21
H 4.0 value after calibration:		4,0
OH 4.0 mV (range is 130 to 230 mV):		151.6
lote: Span between ph 4 and 7, and 7 and 10 should be between	een 165 to 180 mV	113670
DXIDATION/REDUCTION POTENTIALS		
Calibration Temperature (°C):		
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	19,59
Reading before calibration (mV):	(1 to 1 to 1 to 1 to 1 to 1 to 1 to 1 to	228,7
Reading after calibration (mV):		The second lives the second lives and the second
Note: mV theory will change with temperature	so calculate based on your current temp	236.18
URBIDITY Note: Leus wiper should be parked 180		
 NTU Turbidity Standard 	Before Cal: 9,75 After Cal:	- 130 32 HILLIAN SECTION SECTION
NTU Turbidity Standard NTU Turbidity Standard		10,1
		21,0
	Before Cal: After Cal: Before Cal: After Cal:	109
	Hetore Call After Call	77-0
900 NTU Turbidity Check STD NTU Turbidity Check STD	Before Cal: After Cal:	759

Date: 3-4-21 Time: 300
Prepared By: EVER GUILLEN
Checked By:

Wood. Project No. 6122160170

Pine Sonde ID: 728639 Pine Handset ID: 72 Battery Voltage %: 100

CALI	3RATIO			AMPLING			
DISSOLVED OXYGEN (DO)			4.16	th row	an respect		VALUE
Was DO membrane changed?	Yes	No_	سب	Date:	Time:		
Current Air Temperature °C (meter reading):							8,80
Current Barometric Pressure (from Weather							
Channel or NOAA.gov, which is corrected to							1
sea level):			·				
Elevation Corrected Barometric Pressure to						m Hg for every	
enter into YSI DO calibration:	100 ft. a	bove sea l	evel: 50	55/100 x 2.5	4 = 14.4 mm F	∃g	764.54
Theoretical DO (mg/L) from DO table based							
on current temperature and elevation corrected							1
pressure:						30:1	764.54
DO concentration before Calibration (mg/L):	Depend	ing on m	eter ve	rsion, this r	nay not be av	vailable.	
DO concentration after Calibration (mg/L):							11.61
% Recovery (actual/theory x 100)		s 90 to 1			SLOPE	- 1,088637	,
DO Charge (DO ch):		ible Rang					
DO Gain (should be between -0.7 and 1.5):	Exit Ca	libration	menu a	and go to A	dvanced/Cal	Constants	
Note:	ALIN NENEZILENE ES			MATTER CONTRACT			
CONDUCTIVITY Note: Calibrate before pH to av	old carry-o	ver from pl	I standare	ls (i.e. pH buff	ers are conductiv	e)]	
Calibration standard used (mS/cm)							1,413
Temperature (°C)	<u> </u>				· · · · · · · · · · · · · · · · · · ·	HEARY	357P1137
Reading before Calibration (mS/cm)			ne				1.407
Reading AFTER Calibration (mS/cm)							1,413
Conductivity Cell Constant (unitless):			·····	****			0.931
Note: Be sure conductivity cell is submerged and free of bub		-					
Influence and the second of th							
pH 7.0 value before calibration:	ļ		·		· · · · · · · · · · · · · · · · · · ·	end for interest and to	7,02
pH 7.0 value after calibration:							7.00
pH 7.0 mV (range is -50 to +50 mV):		· — · — ·	7 <i>2</i> 000 7 20 20 20 20 20 20 20 20 20 20 20 20 20	7 A MARIE M MARIE M' .			-7,3
pH 10 value before calibration:							10113
pH 10 value after calibration:							10,0
pH 10 mV (range is -130 to -230 mV):		·		T AT ALIENT AT ANIMA AT A			-184,8
pH 4.0 value before calibration:							3,98
pH 4.0 value after calibration:		······································					4,0
pH 4.0 mV (range is 130 to 230 mV):	<u> </u>	···					149.3
Note: Span between ph 4 and 7, and 7 and 10 should be betw		180 mV					
OXIDATION/REDUCTION POTENTIAL (JKP)			15.50			
Calibration Temperature (°C):	0.004	001010		~~~~~			13,33
Theoretical Calibration standard (mV)	0.231+0	.0013(25	5-1) x 1	000 = mV	(T is Temp	erature °C)	228,0
Reading before calibration (mV):							246,9
Reading after calibration (mV):	L						244,16
Note: mV theory will change with temperature				our current	temp.		
TURBIDITY Note: Lens wiper should be parked 18) degrees f	rom the op	tics.				4
NTU Turbidity Standard				Before Ca	<u>-</u>	After Cal:	101
NTU Turbidity Standard				Before Ca		After Cal:	20,2
100 NTU Turbidity Standard				Before Ca		After Cal:	101.0
800 NTU Turbidity Check STD				Before Ca		After Cal:	834
NTU Turbidity Check STD	GISTO SERVER	THIS TOLE CONTRACT	arke are exert	Before Ca	l:	After Cal:	
CALIBRATION SUCCESSFUL?	Puji reisalda						YES "

Date: 03/03/2021
Time: 06:30
Prepared By: 1.SHO CBDITS
Checked By: _____

Wood. Project No. 6122160170

AGNATROLL 400
Pine-Sende ID: 728638
Tablet Pine-Handset ID: NA
Battery Voltage %: 100
Unch 2100@S/N16110C053543

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		VALUE	15
Was DO membrane changed?	Yes No V Date: Time:		3/3/21
Current Air Temperature °C (meter reading):		19-01	15.60
Current Barometric Pressure (from Weather		30.03	
Channel or NOAA.gov, which is corrected to			
sea level):			
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x $25.4 = mm$ Hg; subtract 2.54 mm Hg for every		
enter into YSI DO calibration:	100 ft. above sea level: $565/100 \times 2.54 = 14.4 \text{ mm Hg}$		
Theoretical DO (mg/L) from DO table based			
on current temperature and elevation corrected			
pressure:			<i>a</i> , , , ,
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	9.04	99.1%
DO concentration after Calibration (mg/L):		9-08	98.8%
% 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:			
	oid earry over-from pH standards (i.e. pH buffers are conductive)]		
Calibration standard used (mS/cm)	Lof# 19410200 Exp	1.413	·
Temperature (°C)	V	20.39	25
Reading before Calibration (mS/cm)		1.481	4.0
Reading AFTER Calibration (mS/cm)		1.461	15.
Conductivity Cell Constant (unitless):		~	3/2101
Note: Be sure conductivity cell is submerged and free of bubl	bles (gently tap sonde on table)		60 60 3
pH:			(19.8°C)
pH 7.0 value before calibration:	Lot#19340057 Fap. 08/21	3.076	As. 3/3/21
pH 7.0 value after calibration:	*	7.02	3/3/21
pH 7.0 mV (range is -50 to +50 mV):		-10.5	c . 3
pH 10 value before calibration:	Zeof# (9320102 Fago.08/2)	10.04	(20°C)
pH 10 value after calibration:	•	10.04	
pH 10 mV (range is -130 to -230 mV):		-179.9	Cicoo V
pH 4.0 value before calibration:	Lot # 20010025 Bocp. 08/21	فيستنف والمستنف والمستنف المستنف المستنف المستنف المستنف المستنف والمستنف المس	(29.9°c)
pH 4.0 value after calibration:		4.00	
pH 4.0 mV (range is 130 to 230 mV):		163.3	
Note: Span between ph 4 and 7, and 7 and 10 should be betw			
OXIDATION/REDUCTION POTENTIAL (Zerrande and the contract of t		AS
Calibration Temperature (°C):	Lot # 19460167 Frp. 08/21	19.87	AS 3/3/21
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	<u> </u>	
Reading before calibration (mV):		229.1	
Reading after calibration (mV):		228.9	
Note: mV theory will change with temperature			
TURBIDITY Note: Lens wiper should be parked 180			
20 NTU Turbidity Standard Lof # -	Before Cal: Z0.2 After Cal:	Z0.3	
100 NTU Turbidity Standard Loff -	Before Cal: 10 After Cal:	103	
800 NTU Turbidity Standard Lot # -	Before Cal: & After Cal:	821	
10 NTU Turbidity Check STD Lot # A		10:7	
O.1 NTU Turbidity Check STD Lod 74 -	Before Cal: 0.する After Cal:	0.43	
CALIBRATION SUCCESSFUL?		YES	

Date: 03/04/702/ Time: 06:20 Prepared By: ASHORODI-S

Checked By:____

Wood. Project No. 6122160170 Aduatroll Leou
Pine-Sonde ID: 728 638

Tablipine-Handset ID: NR

Battery Voltage %: Lao
Hach 2100 Q S[N 16110C053543

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)		N PRIOR	(10.87	AMPLING	J	en aske	VALUE	
Was DO membrane changed?	Yes	No_	V	Date:	Time:			1
Current Air Temperature °C (meter reading):	T	····					14.5	
Current Barometric Pressure (from Weather								7
Channel or NOAA.gov, which is corrected to							30-11	1
sea level):		,						
Elevation Corrected Barometric Pressure to						mm Hg for every	,	7
enter into YSI DO calibration:	100 ft. a	bove sea l	evel: 56	55/100 x 2.	54 = 14.4 mm	Hg		145
Theoretical DO (mg/L) from DO table based								3141
on current temperature and elevation corrected								98
pressure:								ı
DO concentration before Calibration (mg/L):	Depend	ing on m	eter ver	sion, this	may not be	available.	9.837	104.
DO concentration after Calibration (mg/L):							10.05	100.
% Recovery (actual/theory x 100)		s 90 to 1						
DO Charge (DO ch):		ible Rang						
DO Gain (should be between -0.7 and 1.5):	Exit Ca	libration	menu a	nd go to	Advanced/Ca	ıl Constants		
Note:		Transconduction		. 200				en
CONDUCTIVITY [Note: Calibrate before pH to a						ive)]		
Calibration standard used (mS/cm)	Lot #	7 1941	10200	<u> 8</u>	spe-		1-413	
Temperature (°C)		*************************			8		25]
Reading before Calibration (mS/cm)							1.407	
Reading AFTER Calibration (mS/cm)							1.413	
Conductivity Cell Constant (unitless):	<u></u>						0.988]
Note: Be sure conductivity cell is submerged and free of bub			n table)					
pH			100					
pH 7.0 value before calibration:	2014	+ 193	1,00	57-	Papos	121	7.03	
pH 7.0 value after calibration:					···		200	
oH 7.0 mV (range is -50 to +50 mV):			- 498° 17				-10.7	$]_{\mathcal{G}}$
pH 10 value before calibration:	lot 1	4 193	2010	7_	Eng. 08	121	10.09	
pH 10 value after calibration:							10.00	
pH 10 mV (range is -130 to -230 mV):				·	* Allen de pares per desse		-1825	
oH 4.0 value before calibration:	Lot	4 200	1002	5 l	Bro. 08/	21	4.04	14.8
oH 4.0 value after calibration:					9		Le.00]
oH 4.0 mV (range is 130 to 230 mV):							162.0]
Note: Span between ph 4 and 7, and 7 and 10 should be betw	een 165 to	180 mV						-
OXIDATION/REDUCTION/POTENTIAL (ORP)			- no ()			E Partie	
Calibration Temperature (°C):	Lot #	1946	,016	7 6	3mp-08/12	<u>ا ا</u>	19.6]
Theoretical Calibration standard (mV)	0.231+0	0.0013(25	5-T) x 1	$V_{\rm m} = 000$	/ *(T is Tem	nperature °C)	_	
Reading before calibration (mV):							227.1	
Reading after calibration (mV):							228.0]
Note: mV theory will change with temperature CURBIDITY. Note: Lens wiper should be parked 18				ur curren	t temp.		NICO 1805 - DOS 2005	- a
ZONTU Turbidity Standard Loft	, uegreest	want rue ob	(1),44	Dofore C	al. 700	A A C-1		i.
100 NTU Turbidity Standard	-				al: 20.2	After Cal:	20.4	
800 NTU Turbidity Standard	-				al: 985	After Cal:	100	
1 / 4 /	1520	Exp.	11/21		al: 786	After Cal:	800	-
Co 1110 Larorany Chook S1B	• •	- >-4.	1	Before C		After Cal:	10.9	4
NTU Turbidity Check STD Lof# -	V15278-3554118	XI SAGATANAN	Same and the second	Betore C	al: 0.65	After Cal:	0.61	
ALIBRATION SUCCESSFUL?		非 编码条件	WAR.		游戏人		YES	

Date: 3/3/21
Time: 0530
Prepared By: Daniel Howard
Checked By:

Wood. Project No. 6122160170 Pine-Sonde ID: 83 728756
Pine-Handset ID: 724506
Battery Voltage %: 83

CALIBRATION PRIOR TO SAMPLING

DISSOLVED OXYGEN (DO)	BRATION PRIOR TO SAMPLING	VALUE
Was DO membrane changed?	YesNo Date: Time:	
Current Air Temperature °C (meter reading):		21,38 21,1
Current Barometric Pressure (from Weather	\$	~
Channel or NOAA.gov, which is corrected to		
sea level):	1006.4 mbar	
Elevation Corrected Barometric Pressure to	Ex.: 30.02 in. Hg x 25.4 = mm Hg; subtract 2.54 mm Hg for every	
enter into YSI DO calibration:	100 ft. above sea level: 565/100 x 2.54 = 14.4 mm Hg	i
Theoretical DO (mg/L) from DO table based		
on current temperature and elevation corrected	1	
pressure:		
DO concentration before Calibration (mg/L):	Depending on meter version, this may not be available.	
DO concentration after Calibration (mg/L):		8.76 8.82
% Recovery (actual/theory x 100)	Range is 90 to 110% Recovery	99.50 100.
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	1-012 1.104:
Note:		
	void carry-over from pH standards (i.e. pH buffers are conductive))	
Calibration standard used (mS/cm)	Lot 19410200	1.413
Temperature (°C)		2129
Reading before Calibration (mS/cm)		1.43- 1.43
Reading AFTER Calibration (mS/cm)		1.413
Conductivity Cell Constant (unitless):		0.995
Note: Be sure conductivity cell is submerged and free of bul	obles (gently tap sonde on table)	e1450 Midd
pH		<u> </u>
pH 7.0 value before calibration:	Lot 19340057 8/21	7.18 7.0
pH 7.0 value after calibration:	26.58°C	7.00 —
pH 7.0 mV (range is -50 to +50 mV):		-15.8 -16.
pH 10 value before calibration:	Lot 19320102 8/21	10,12
pH 10 value after calibration:	20,69°C	10.0
pH 10 mV (range is -130 to -230 mV):		-186.1
pH 4.0 value before calibration:	Lot 20010025 8/21	4.17
pH 4.0 value after calibration:	20.88°C	4.00
pH 4.0 mV (range is 130 to 230 mV):		158.1
Note: Span between ph 4 and 7, and 7 and 10 should be between		Palkansii
OXIDATION/REDUCTION POTENTIAL (
Calibration Temperature (°C):	Lot 19460167 8/21 0.231+0.0013(25-T) x 1000 = mV (T is Temperature °C)	22-41- 20.9
Theoretical Calibration standard (mV)	$0.231+0.0013(25-T) \times 1000 = mV$ (T is Temperature °C)	234.4
Reading before calibration (mV):		223.9
Reading after calibration (mV):		234.4
Note: mV theory will change with temperatur		
TURBIDITY Note: Lens wiper should be parked It		Parity Control
NTU Turbidity Standard A0136	8/2 Before Cal: After Cal:	20.2
NTU Turbidity Standard A 0 139	8/2 Before Cal: After Cal:	100
	8/2 Before Cal: After Cal:	828
NTU Turbidity Check STD Lot A 9.		9.90
O. I NTU Turbidity Check STD A 0322	11/2-2 Before Cal: After Cal:	030
CALIBRATION SUCCESSFUL?		#\$#\$25024E
Hach2100 QID	4144	

Date: 3/4/21
Time: 0530
Prepared By: Daniel Howard
Checked By:

Wood. Project No. 6122160170 Pine Sonde ID: 728756

Pine Handset ID: 724506

Battery Voltage %: 99

CALI	BRATION PRI	OR TO S	AMPLING				
DISSOLVED OXYGEN (DO)		ili a lak				VALUE	S.
Was DO membrane changed?	Yes N	No_V_	Date:	Time:			
Current Air Temperature °C (meter reading):						2165	1
Current Barometric Pressure (from Weather							1
Channel or NOAA.gov, which is corrected to					mbar		
sea level):					1008.8		
Elevation Corrected Barometric Pressure to					54 mm Hg for every		1
enter into YSI DO calibration:	100 ft. above so	ea level: 5	65/100 x 2.54	4 = 14.4 n	nm Hg		
Theoretical DO (mg/L) from DO table based							
on current temperature and elevation corrected							
pressure:							
DO concentration before Calibration (mg/L):	Depending or	meter ve	rsion, this n	nay not b	e available.]
DO concentration after Calibration (mg/L):						8.67	
% Recovery (actual/theory x 100)	Range is 90 to	110% R	ecovery			98.97	
DO Charge (DO ch):	Acceptable Ra	inge is 25	to 75]
DO Gain (should be between -0.7 and 1.5):	Exit Calibrati	on menu	and go to A	dvanced/	Cal Constants	1.11599]
Note:						- In the second	•
CONDUCTIVITY Note: Calibrate before pH to av	oid carry-over fron	ı pH standar	ds (i.e. pH buffe	rs are cond	luctive)]		
Calibration standard used (mS/cm)	1	-ot 1	941020	20		1,413	Ĭ
Temperature (°C)						21.21011	21.25
Reading before Calibration (mS/cm)			***************************************			1,397	
Reading AFTER Calibration (mS/cm)		********				1.413	
Conductivity Cell Constant (unitless):					······································	1.007	
Note: Be sure conductivity cell is submerged and free of bubl	oles (gently tap sone	de on table)			······································		ľ
pH							Midda Check
pH 7.0 value before calibration:	1 4	- 1	934005	5 7	8/21	7.03	7.04
pH 7.0 value after calibration:	1 - 0 - 1				20,97°C	7.0	
pH 7.0 mV (range is -50 to +50 mV):					2011.	-16.3	-16.4
pH 10 value before calibration:	1.7	1922	0102		121	10.01	:
pH 10 value after calibration:	<u> </u>		. 0100		21,29°C	10.00	
pH 10 mV (range is -130 to -230 mV):				****	- TINI C	-1845	
pH 4.0 value before calibration:		70011	0025	8/21		4.09	
pH 4.0 value after calibration:		20010	<u> </u>	0/3/	21,33°C	4.00	
pH 4.0 mV (range is 130 to 230 mV):					1000 C	1534	
Note: Span between ph 4 and 7, and 7 and 10 should be betw	een 165 to 180 mV	,					
OXIDATION/REDUCTION POTENTIAL (ORP)	Maria de A		a logical			
Calibration Temperature (°C):		19 4 / ^	167 4	7/21	engles on Anticonspical Professional Profession (P. 1994)	21,60	
Theoretical Calibration standard (mV)	0.231+0.0013	<u>17760</u> (25-T) x	$\frac{1000}{1000} = \text{mV}$		emperature °C)	233,59	233.75
Reading before calibration (mV):	1			(1 10 1		233,3	Y33.13
Reading after calibration (mV):				W-01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	The state of the s	The second line is not a second line in the second line in the second line in the second line is not a second	
Note: mV theory will change with temperature	so calculate b	ased on r	Our ourrant	temp	· · · · · · · · · · · · · · · · · · ·	233.79	
TURBIDITY Note: Leus wiper should be parked 18			our current			1923 (1931 - F. 1917)	
NITTI GO. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2.7 年 李明 唐代 5.7 10	Before Cal	A11. 27 A12. 3 17.2	After Cal:	19.9	
	8/21		Before Cal		After Cal:	والمستورية والمستوالية	
100	8/21					99.1	
70.51	8/21		Before Cal		After Cal:	304	
1,1320	2/21		Before Cal		After Cal:		
CALIBRATION SUCCESSFUL?	11/22	In a residence with the Police	Before Cal		After Cal:	0,51	
		The state of the state of the state of	\$P\$\$P\$\$P\$(图1873年1875年1876日 1876日 1876	NO NO CONTRACTOR NAMED IN	医骶线 医多种性性原因 医克勒氏性皮肤炎性皮肤炎性皮肤炎症	THE RESIDENCE OF THE PARTY OF T	

Date: 3/8/2 1
Time: 1305
Prepared By: Daniel Haward
Checked By:

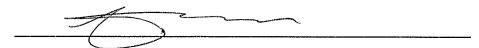
Wood. Project No. 6122160170 Pine Sonde ID: 728756

Pine Handset ID: 724506

Battery Voltage %: 100

Was DO membrane changed?	Yes	No V	Date:	Time:	*** **** *** *** *** *** *** *** *** *	VALUE	2
Current Air Temperature °C (meter reading):	T 68	110 0	Date	1 mie		142 44	-
Current Barometric Pressure (from Weather						23.40	┨
Channel or NOAA.gov, which is corrected to							
sea level):				ı	027.6 mbar	,	
Elevation Corrected Barometric Pressure to	Ex · 30.0)2 in Hg x 25	4 = mm Ho	subtract 2 54	mm Hg for ever	V	-
enter into YSI DO calibration:				3.54 = 14.4 mm		,	ŀ
Theoretical DO (mg/L) from DO table based							4
on current temperature and elevation corrected						ļ	
pressure:							
DO concentration before Calibration (mg/L):	Dependi	ng on meter	version, this	s may not be	available.	8,99	1
DO concentration after Calibration (mg/L):	1			, , , , , 		8-44	18
% Recovery (actual/theory x 100)	Range is	90 to 110%	Recovery		;	104.08	
DO Charge (DO ch):	Acceptal	ole Range is 2	25 to 75	**************************************			1
DO Gain (should be between -0.7 and 1.5):	Exit Cal	ibration men	u and go to	Advanced/Ca	ıl Constants	1,07455	1
Note:					***************************************		.4
CONDUCTIVITY Note: Calibrate before pH to av	oid carry-ov	er from pH stand	ards (i.e. pH b	uffers are conduct	ive)] say u		0.88
Calibration standard used (mS/cm)	L	of 196	110200)	1.41	3 22.07	104
Temperature (°C)						22.07]4
Reading before Calibration (mS/cm)						1:4098	1
Reading AFTER Calibration (mS/cm)						1.4113	1
Conductivity Cell Constant (unitless):						1.009	1
Note: Be sure conductivity cell is submerged and free of bubl		ap sonde on table	e)				_
oH.		1			a lag		1 2
pH 7.0 value before calibration:	Lot	1934	0057	8/21		7.06] =
pH 7.0 value after calibration:				•	21,42	7.00]
pH 7.0 mV (range is -50 to +50 mV):						-183	***
pH 10 value before calibration:	6	+ 1932	0102	8/21	<u> </u>	10.12]
pH 10 value after calibration:					21,06	10,00	
pH 10 mV (range is -130 to -230 mV):				, me , m , m		7189.0	
oH 4.0 value before calibration:	Lo	+ 2001C	025	8/21		pm1-3.96	1
oH 4.0 value after calibration:			WANT PARTY AND ADDRESS OF THE PARTY AND ADDRES		22.36	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	1
oH 4.0 mV (range is 130 to 230 mV):			PART AND AND AND AND AND AND AND AND AND AND			156.0	j
Note: Span between ph 4 and 7, and 7 and 10 should be betw		80 mV	CONSTRUENCE NAME AND	550 556 TO MEXA DVG. 198 1 557	er verkissi vanirens		7
OXIDATION/REDUCTION POTENTIAL (7		10.72				4
Calibration Temperature (°C):	1_0	+1946	0167	8/21	0~	22.86	
Γheoretical Calibration standard (mV)	0.231+0.	0013(25-T) x	1000 = m	V (T is Ten	perature °C)	232.15]۷٠
Reading before calibration (mV):						1281	1
Reading after calibration (mV):						232,02]
Note: mV theory will change with temperature			your curren		a est describerations	valen en en en en en en en en en en	1
CURBIDITY Note: Lens wiper should be parked 18	11.989820980033	om the optics.					4
	121		Before C		After Cal:	19,9	ļ
100 NTU Turbidity Standard A 0139 8	. ,		Before C		After Cal:	99.3	
100 NTU Turbidity Standard A 0139 8	121		Before C		After Cal:	793	1
THE NTU Turbidity Check STD A 932 8	11/22		Before C		After Cal:	9.96	Į
0. 1 NTU Turbidity Check STD /7-0-32-2 ALIBRATION SUCCESSFUL?	1114	Non-constant	Before C	ial:	After Cal:	0.70	Į
	BANGES HOUSE	811000	3.0年5月1日日本日本	NATIONAL PROPERTY OF THE STATE	tion and the Market	14/2/2014/60/54	i

Name	Plant Mitchell			
nit Number	N/A	_		
ID	MW-101	-		
	03/01/2021			
		Yes	No	n/a
1 Location	ı/Identification			11,0
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			Patrick Control
-	protection from traffic?			
d	Is the drainage around the well acceptable? (no standing water,		***************************************	
	nor is well located in obvious drainage flow path)			
2 Protectiv	ve Casing			
a	Is the protective casing free from apparent damage and able to be	ı		
S	secured?			
b	Is the casing free of degradation or deterioration?			
C	Does the casing have a functioning weep hole?			M
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	~		
е	Is the well locked and is the lock in good condition?	~~		
2 Curfoso	_			
3 <u>Surface</u>				
a	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	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)	<i>(</i> -		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
<u></u> а	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)?	1		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	1		
е	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			PRIMARIA.
	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)			
5 <u>Sampling</u>	g: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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?	~		



Name	Plant Mitchell			
mit Number	N/A	- -		
liD	MU-102	-		
Э	03/01/2021			_
1 Location	n/Identification	Yes	No	n/a
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			
O	protection from traffic?	سما		
d	Is the drainage around the well acceptable? (no standing water,	—		
	nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be	_		
	secured?			
b	Is the casing free of degradation or deterioration?	$\overline{}$		
С	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?			
е	Is the well locked and is the lock in good condition?	<u> </u>		
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?	V		
С	Is the well pad in complete contact with the protective casing?			
d	Is the well pad in complete contact with the ground surface and	<u>-</u>		
	stable? (not undermined by erosion, animal burrows, and does not			
_	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing	,		
а	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)	/		
5 Samplin	g: Groundwater Wells Only:			
а а	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?			1
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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 Correctiv	ve actions as needed, by date:			

Name nit Number	Plant Mitchell N/A			
ID	MW-103			
-	3/1/21	Vaa	No	n/a
		Yes	140	IIIa
1 Location	n/Identification			
а	Is the well visible and accessible?	-		
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require)		
	protection from traffic? Is the drainage around the well acceptable? (no standing water,			
d	nor is well located in obvious drainage flow path)	<u> </u>		
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be	. [
	secured?			
b	Is the casing free of degradation or deterioration?			
С	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? Is the well locked and is the lock in good condition?	1		
е	is the well locked and is the lock in good condition.			
3 Surface		/		
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
	Is the well pad in complete contact with the protective casing?	$\overline{}$		
c d	Is the well had in complete contact with the ground surface and			
ď	stable? (not undermined by erosion, animal burrows, and does not	/		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Interna	l casing	/		
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)?			
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	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 list he casing stable?		,	
	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)			
5 <u>Sampl</u>	ing: Groundwater Wells Only:			A) A
а	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			
b	and specified in the approved groundwater plan for the facility?			NA
	Does the well require redevelopment (low flow, turbid)?			NA
С				
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			
	Monitoring Program and 2) comply with the applicable regulatory	V		
	requirements? ctive actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

David L Howard

Name	Plant Mitchell			
mit Number	N/A			
I ID	MW-1087	_		
е	03/02/2021	- ,,	B.I	
1 <u>Locatio</u>	n/Identification	Yes	No	n/a
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	1		
С	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></u>		
2 Protecti	ve Casing			
а	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?	~	******	
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?	V		
b	Is the well pad sloped away from the protective casing?	<u></u>		
С	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 no move when stepped on)	t ✓		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing	-		
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)?	~	-	
С	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?	$\overline{\checkmark}$		
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> </u>		
5 Samolin	g: Groundwater Wells Only:	***************************************		***************************************
a	Does well recharge adequately when purged?			/
b	If dedicated sampling equipment installed, is it in good condition	P44-0-1-1-1-1		
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?	mental and a second		V
6 Based o	n 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?	<u> </u>		
7 Correctiv	ve actions as needed, by date:			

Name	Plant Mitchell			
nit Number	N/A	_		
ID	MW-108			
	03/02/2021			
		Yes	No	n/a
	n/Identification			
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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,			
u	nor is well located in obvious drainage flow path)	~		
2 Protecti				
<u>а</u>	Is the protective casing free from apparent damage and able to be)		
	secured?	1		
b	Is the casing free of degradation or deterioration?		-	
С	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?	/		
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?			
С	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 no	t _		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?	<u> </u>		
4 Internal	casing			
а	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)?	V		
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?	$\overline{}$		-
е	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)			
5 <u>Samplin</u>	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			
0	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
C				
6 Based o	n 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?	<u>~</u>		
7 Correctiv	ve actions as needed, by date:			

Name	Plant Mitchell	_		
nit Number	N/A			
ID	MW-110			
)	3-2-21	- Yes	No	n/a
1 <u>Locatio</u>	n/Identification	103	110	IIIA
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)	v		
2 Protecti	ive Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	/		
С	Does the casing have a functioning weep hole?	<u></u>		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	e pad			
a	Is the well pad in good condition (not cracked or broken)?			
b	· · · · · · · · · · · · · · · · · · ·			-
С	Is the well pad sloped away from the protective casing? Is the well pad in complete contact with the protective casing?	4		
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)			
е	Is the pad surface clean (not covered with sediment or debris)?	<u>/</u>		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	v		
С	Is the well properly vented for equilibration of air pressure?	~		
d	Is the survey point clearly marked on the inner casing?	V		
е	Is the depth of the well consistent with the original well log?	V		
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)	V		
5 Samplin	ng: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	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 Cannaa!	·			
i Correcti	ve actions as needed, by date:			

	Plant Mitchell			
nit Number	N/A	•		
ID	MW-111	_		
•	3-2-21			
		Yes	No	n/a
1 Location/I		_		•
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	_/		
С	Is the well in a high traffic area and does the well require		,	
d	protection from traffic?			
u	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protective				
а	Is the protective casing free from apparent damage and able to be	_		
L	secured?			
b	Is the casing free of degradation or deterioration?			
c d	Does the casing have a functioning weep hole?			
u	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
	-			
3 <u>Surface pa</u>	<u>ad</u>			
а	Is the well pad in good condition (not cracked or broken)?	_//		
b	Is the well pad sloped away from the protective casing?	//		
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal ca</u>	sina			
a	Does the cap prevent entry of foreign material into the well?	//		
	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	,_	•	
С	Is the well properly vented for equilibration of air pressure?	1/		
d	Is the survey point clearly marked on the inner casing?			
е	Is the depth of the well consistent with the original well log?	<i>\(\lambda\)</i>		-
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>/</u>		
	Groundwater Wells Only:			
	Does well recharge adequately when purged?			
	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			
С	Does the well require redevelopment (low flow, turbid)?	•		
	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?			
				-

Number	N/A			
)	MW-1/2	_	•	
	3-1-21	- -		
1 Location	n/Identification	Yes	No	n/a
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	-		
С	Is the well in a high traffic area and does the well require protection from traffic?	W		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protecti				
a <u>Frotecti</u>	Is the protective casing free from apparent damage and able to be	.		
ч	secured?			,
b	Is the casing free of degradation or deterioration?	~		
C	Does the casing have a functioning weep hole?	<u> </u>		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	V		
е	Is the well locked and is the lock in good condition?			
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?	<u>~</u>		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not	<u> </u>		
_	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing	,		
а	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)?	<u> </u>		
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
d	Is the survey point clearly marked on the inner casing?			
e f	Is the depth of the well consistent with the original well log?	<u> </u>		M-75**
I	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)	1		
5 Samplin	g: Groundwater Wells Only:	_		
a <u>oampiin</u>	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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?			

Site Name	Plant Mitchell			
Permit Number	N/A	_		
Well ID	MW-113	-		
Date	3-1-21	-		
		Yes	No	n/a
1 Location/	<u>Identification</u>			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	V		
С	Is the well in a high traffic area and does the well require			
	protection from traffic?		V	
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)			
2 Protective	- Casing			
a a	Is the protective casing free from apparent damage and able to be			
u	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,			
G	or filled with pea gravel/sand?	1/		
е	Is the well locked and is the lock in good condition?		•••••••••••••••••••••••••••••••••••••••	
3 <u>Surface p</u>	<u>ad</u>			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?		····	
d	Is the well pad in complete contact with the ground surface and			
u	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	1/		
е	Is the pad surface clean (not covered with sediment or debris)?			
	to the pad earliage clear (not covered with codiment of depris).			·
4 Internal ca				
а	Does the cap prevent entry of foreign material into the well?	<u> </u>		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?	<u> </u>		
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
d	Is the survey point clearly marked on the inner casing?	<u> </u>		
е	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></u>		
5 <u>Sampling:</u>	Groundwater Wells Only:			
а	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?		·	
С	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?			

Name	Plant Mitchell	_		
mit Number	N/A			
II ID	MW-114	_		
e	3-1-21	_		
4.4	a La reconstruction of the control o	Yes	No	n/a
	(Identification	_	_	
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protectiv	e Casing			
а	Is the protective casing free from apparent damage and able to be)		
	secured?			
b	Is the casing free of degradation or deterioration?	-		
С	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?	~		
е	Is the well locked and is the lock in good condition?	i		
3 <u>Surface r</u>	nad			
a <u>odnace j</u>				
	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)			nwe.
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal c	asing			
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)?	س		
С	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			
1	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	4	-	
E Compline	,			
	: Groundwater Wells Only:			
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?			
•	Does the well require redevelopment (low flow, turbid)?			
C	, , , , , , , , , , , , , , , , , , , ,			
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	e actions as needed, by date:			

e Name	Plant Mitchell	_		
rmit Number	N/A	_	٠	
ell ID	MW-115	_	•	
ite	3-1-21	- V	N1 -	·- 1-
1 Location	n/Identification	Yes	No	n/a
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?		4	-
d	Is the drainage around the well acceptable? (no standing water,			Harris William
	nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
. а	Is the protective casing free from apparent damage and able to be			
	secured?	1		
b	Is the casing free of degradation or deterioration?	$\overline{}$		
С	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?	u		
е	Is the well locked and is the lock in good condition?	V		
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	1/	:	
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?			
ď	Is the well pad in complete contact with the ground surface and			
ŭ	stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	:		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	, , , , , , , , , , , , , , , , , , ,			***************************************
4 <u>Internal</u> a	Does the cap prevent entry of foreign material into the well?	1/		
b	Is the casing free of kinks or bends, or any obstructions from			
V	foreign objects (such as bailers)?	//		
С	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)			
5 <u>Samplin</u>	g: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			Publish sent recoverance (sent)
6 Based o	n 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?		Processor Control of C	
7 Correction	ve actions as needed, by date:			

Site Name	Plant Mitchell			
Permit Number	N/A	_		
Well ID	MW-11h			
Date	03/01/2021			
		- Yes	No	n/a
1 <u>Locatio</u>	n/Identification			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	$\overline{}$		
С	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)			
2 Protecti	ve Casina			
a	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			F
С	Does the casing have a functioning weep hole?			
d	Is the annular space between casings clear of debris and water,	<u>'¥</u> -		
	or filled with pea gravel/sand?	/		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	pad .			
<u>а</u>	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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
а	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)?			
С	Is the well properly vented for equilibration of air pressure?	/		
d	Is the survey point clearly marked on the inner casing?			
е	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)			
5 <u>Samplin</u>	g: Groundwater Wells Only:			,
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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 Correctiv	ve actions as needed, by date:			

Name	Plant Mitchell	_		
mit Number	N/A	-		
ll ID	MU-117	_		
e	03/01/2021	•		
1 Location	n/Identification	Yes	No	n/a
a <u>Location</u>	Is the well visible and accessible?			
				
b	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require			
С	protection from traffic?	/		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protectiv	ve Casing			
а	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,			
G	or filled with pea gravel/sand?	/		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	<u> </u>		
С	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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?	<u>~</u>		
4 Internal	casing			
а	Does the cap prevent entry of foreign material into the well?	\checkmark		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?			
С	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)			
E Committee	, ,			
	g: Groundwater Wells Only: Does well recharge adequately when purged?			
a b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			_~
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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 0	ve actions as needed, by date:			***************************************

Permit Number Well ID Date I Say 1 Say 1 Say 1 Say 1 Say 1 Say 1 Say 1 Say 1 Say 1 Say 1 Say 1 Say	Site Name	Plant Mitchell			
1 Location/Identification 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) 2 Protective Casing 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? 3 Surface pad 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 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)? 4 Internal casing 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 baliers)? c Is the well properly vented for equilibration of air pressure? d Is the survey point clearly marked on the inner casing? Is the vell properly vented for equilibration of air pressure? d Is the survey point clearly marked on the inner casing? 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) 5 Sampling: Groundwater Wells Only; 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)?	Permit Number	N/A	_		
1 Location/Identification 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) 2 Protective Casing 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? 3 Surface pad a Is the well pad in good condition (not cracked or broken)? b Is the well pad in complete contact with the protective casing? c 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)? 4 Internal casing a Does the cap prevent entry of foreign material into the well? b Is the easing 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) 5 Sampling: Groundwater Wells Only; 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)?	Well ID	MW-118			
1 Location/Identification 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) 2 Protective Casing 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? 3 Surface pad a Is the well pad in good condition (not cracked or broken)? b Is the well pad in complete contact with the protective casing? c 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)? 4 Internal casing a Does 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? Is the well properly vented for equilibration of air pressure? d Is the survey point clearly marked on the inner casing? 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) 5 Sampling: Groundwater Wells Only: 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)?	Date	3/1/21			
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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) 2 Protective Casing 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? 3 Surface pad 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)? 4 Internal casing a Does the casp 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 ballers)? 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) 5 Sampling: Groundwater Wells Only: 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)?			. /		
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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? 3 Surface pad 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)? 4 Internal casing 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? 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) 5 Sampling: Groundwater Wells Only: 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)?	2 Protectiv	e Casing			
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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) 5 Sampling: Groundwater Wells Only: 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)?	а	Does the cap prevent entry of foreign material into the well?	V		
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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) 5 Sampling: Groundwater Wells Only: 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)?	d	· · · · · · · · · · · · · · · · · · ·	1		
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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 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)?	5 <u>Sampling</u>	g: Groundwater Wells Only:			
and specified in the approved groundwater plan for the facility? C Does the well require redevelopment (low flow, turbid)?	а				NA
c Does the well require redevelopment (low flow, turbid)?	b b				
		· · · · · · · · · · · · · · · · · · ·			<u>NA</u>
6 Based on your professional judgement, is the well construction / location	С	Does the well require redevelopment (low flow, turbid)?			NA
appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	6 Based or	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory	V		
7 Corrective actions as needed, by date:	7 Correctiv	·			

Signature and Seal of PE/PG responsible for inspection

and L Howard

Site Na		Plant Mitchell	-		
	Number	N/A	- -		
Vell ID		\$" MW-119	_		
Date	,	311/21	Yes	No	n/a
	1 Location	n/Identification	1 62	NO	n/a
	a	Is the well visible and accessible?	/		
	b	Is the well properly identified with the correct well ID?	7	*****	
	С	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)	_/		
	2 Protectiv	ve Casing			
٠	а	Is the protective casing free from apparent damage and able to be secured?	1		· •
	b	Is the casing free of degradation or deterioration?	$\overline{}$		
	С	Does the casing have a functioning weep hole?	V		
•	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?			
	3 Surface	<u>pad</u>			
	а	Is the well pad in good condition (not cracked or broken)?	N. N.	/	
	b	Is the well pad in good condition (not cracked or broken)? Pad has arack down the middle Is the well pad sloped away from the protective casing?		<u> </u>	
					———A,—
	c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and			MANAGE TO SERVICE AND ADDRESS OF THE PERSON NAMED TO SERVICE AND ADD
	u	stable? (not undermined by erosion, animal burrows, and does not			
		move when stepped on)	V		
	e	Is the pad surface clean (not covered with sediment or debris)?	<u></u>		
	1 Internal	ogoing			
	4 <u>Internal</u> a				
	b .	Does the cap prevent entry of foreign material into the well? Is the casing free of kinks or bends, or any obstructions from			
	U ,	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?			••••
	е	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)			
	5 <u>Samplin</u>	g: Groundwater Wells Only:			
	а	Does well recharge adequately when purged?			NA
	b	If dedicated sampling equipment installed, is it in good condition			n 1 /1
	_	and specified in the approved groundwater plan for the facility?			10/1
	С	Does the well require redevelopment (low flow, turbid)?			10/1
	6 Based o	n 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?	./		
		redamento t	<u></u>	L	

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

e Name	Plant Mitchell			
rmit Number	N/A	_	٠	
ell ID	$\frac{MW^{-120}}{2}$	-		
te	3/1/21	Yes	No	n/a
1 Location	n/Identification	103	110	ri/a
а	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?			***************************************
С	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)	./		
2 Protocti	- · · · · · ·	V		
2 <u>Protecti</u> a	ve Casing Is the protective casing free from apparent damage and able to be			
· a	secured?			
b	Is the casing free of degradation or deterioration?	~		
С	Does the casing have a functioning weep hole?	1		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	V		-
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	V		
b	Is the well pad sloped away from the protective casing?	1		
C	Is the well pad in complete contact with the protective casing?	N		
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)			
е	Is the pad surface clean (not covered with sediment or debris)?	1		
4 Internal	casing			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
а	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)?			
С	Is the well properly vented for equilibration of air pressure?	/_		
d	Is the survey point clearly marked on the inner casing?	<u> </u>		
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)	/		
5 Samplin	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition			#-12
	and specified in the approved groundwater plan for the facility?			NA
c .	Does the well require redevelopment (low flow, turbid)?			NA
6 Based o	n 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?			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

Name	Plant Mitchell			
mit Number	N/A	-		
ll ID	M W-121	_		
e	3/1/21	Yes	Νo	n la
1 Location	n/Identification	1 62	INO	n/a
a	Is the well visible and accessible?	~		
b	Is the well properly identified with the correct well ID?	$\overline{}$		
С	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)			
2 Protectiv				
a <u>Frotectiv</u>	Is the protective casing free from apparent damage and able to be			
u	secured?	V		
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	V		
b	Is the well pad sloped away from the protective casing?	1		
С	Is the well pad in complete contact with the protective casing?	$\overline{\mathcal{I}}$		
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)			***************************************
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing	,		
а	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? Is the depth of the well consistent with the original well log?	/		
e 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)			
5 <u>Sampling</u>	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition			A1 A
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			NA
	n your professional judgement, is the well construction / location			<u> 1711</u>
o based of	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory	,		
	requirements?	V		

Site Name	Plant Mitchell			
Permit Number	N/A			
Well ID	PZ-01A			
Date	3/2/21			,
1 <u>Locatio</u>	n/Identification	Yes	No	n/a
a	Is the well visible and accessible?	\checkmark		
b	Is the well properly identified with the correct well ID?	1		
C	Is the well in a high traffic area and does the well require protection from traffic?	سعما		
d	is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protecti	ive Casing			
a	Is the protective casing free from apparent damage and able to be secured?	e V		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	<u> </u>		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?	V		
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?	DH F		NA
b	Is the well pad sloped away from the protective casing?	1011		NA
С	Is the well pad in complete contact with the protective casing?	10H-17		NA
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not	ot 4		
	move when stepped on)	040		NA
е	Is the pad surface clean (not covered with sediment or debris)?	PHIZZ		$-\mathcal{N}A$
4 <u>Internal</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)?	1		
С	Is the well properly vented for equilibration of air pressure?	./		
d	Is the survey point clearly marked on the inner casing?			
е	Is the depth of the well consistent with the original well log?	1/		
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></u>	·	B10-75-17-1
5 <u>Samplin</u>	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?	200000000000000000000000000000000000000		NA
b	If dedicated sampling equipment installed, is it in good condition			. 1 1
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			NA
6 Based o	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 Correcti	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

David L Howard

e Name	Plant Mitchell			
rmit Number ell ID	N/A	-		
te	3/0/R	-		
		Yes	No	n/a
1 Location	/Identification			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	~		
С	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)			
2 Protectiv	re Casing			
а	Is the protective casing free from apparent damage and able to be secured?	V		
b	Is the casing free of degradation or deterioration?			
С	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?	<u>v</u>		
е	Is the well locked and is the lock in good condition?	<u> </u>		
3 Surface	pad			
a	Is the well pad in good condition (not cracked or broken)?	邻		NA
b	Is the well pad sloped away from the protective casing?	10,17		
С	Is the well pad in complete contact with the protective casing?	_11/1		10/4
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)	<u> </u>	BEGGERATURE.	NA
е	Is the pad surface clean (not covered with sediment or debris)?			NA
4 Internal o	pasing			
a <u>internar c</u>	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)?	<u> </u>		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	1		***************************************
е	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)			
	,			
····	g: Groundwater Wells Only:			AIA
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			10/4
Ь	and specified in the approved groundwater plan for the facility?			NA
С	Does the well require redevelopment (low flow, turbid)?		****	NA
6 Based or	a 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?			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

ite Name	Plant Mitchell	_		
ermit Number	N/A	-		
Vell ID	PZ-02A	- -		
ate	3/2/21	V	NI -	1
1 Location	/Identification	Yes	No	n/a
a	Is the well visible and accessible?	1/		
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require protection from traffic?			research
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protectiv	ve Casing			
а	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?	<u> </u>		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?			NA
b	Is the well pad sloped away from the protective casing?			NA
С	Is the well pad in complete contact with the protective casing?			NA
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)			ΔIA
e ·	Is the pad surface clean (not covered with sediment or debris)?		***************************************	NA
4 Internal o	easing			
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)?			
С	Is the well properly vented for equilibration of air pressure?	V		
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)	. /		
E Camplina			***************************************	
a <u>Sampling</u>	g: Groundwater Wells Only: Does well recharge adequately when purged?			MA
b	If dedicated sampling equipment installed, is it in good condition			1011
~	and specified in the approved groundwater plan for the facility?			NA
С	Does the well require redevelopment (low flow, turbid)?			NA
6 Based or	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?	/		•••

Signature and Seal of PE/PG responsible for inspection

David & Howard

Site Name	Plant Mitchell			
Permit Number	N/A	_		
Well ID	PZ-O2R	_		
Date	3/2/21			
- 4,10	2/2/21	Yes	No	n/a
1 <u>Locatio</u>	n/Identification	. 00		1174
а	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require			***************************************
	protection from traffic?	V		
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
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?		B472	·
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	V		
е	Is the well locked and is the lock in good condition?			*****
3 Curface				
3 <u>Surface</u> a	4. 1			
	Is the well pad in good condition (not cracked or broken)?			NA
b	Is the well pad sloped away from the protective casing?			NA
С	Is the well pad in complete contact with the protective casing?			NA
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)			NA
е	Is the pad surface clean (not covered with sediment or debris)?			NA
4 Internal	casing			
а	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)?	1		
С	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?	<u> </u>		
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)	V		
5 Samplin	g: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			NA
С	Does the well require redevelopment (low flow, turbid)?			NA
6 Based o	n 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 Correctiv	/e actions as needed, by date:			
/ Correctiv	re actions as needed, by date.			

Signature and Seal of PE/PG responsible for inspection

Daniel L. Howard

t Number	N/A	_		
D	PZ-ID	-		
	3/1/21	 	NI -	1-
1 <u>Locatio</u>	n/Identification	Yes	No	n/a
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ive Casing			
а	Is the protective casing free from apparent damage and able to be			
	secured?			
b	Is the casing free of degradation or deterioration?	/		
С	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?	<u></u>		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	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)?	V		
4 Internal	casing			
а	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)?			-
С	Is the well properly vented for equilibration of air pressure?	_/		
d	Is the survey point clearly marked on the inner casing?	_1_		
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)			
5 O "	,			
	g: Groundwater Wells Only:	/		
, а b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition		I CARROLL	•
U	and specified in the approved groundwater plan for the facility?	1		
C	Does the well require redevelopment (low flow, turbid)?	_ <u>v</u>		V
	on your professional judgement, is the well construction / location			
o Dased 0	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory	1		
	requirements?			
	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel Howard

Name iit Number	Plant Mitchell N/A			
ID	PZ-15	_		
	3/1/21	-		
4 1 000410		Yes	No	n/a
	n/Identification Is the well visible and accessible?	,		
a b	Is the well properly identified with the correct well ID?	<u></u>		
C	Is the well in a high traffic area and does the well require			
Ū	protection from traffic?	S.		
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)	<u> </u>		
2 Protecti	ve Casing			
а	Is the protective casing free from apparent damage and able to be	•		
	secured?			
b	Is the casing free of degradation or deterioration?	<u> </u>		
C	Does the casing have a functioning weep hole?	<u> </u>		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	. /		
е	Is the well locked and is the lock in good condition?	<u></u>		
3 <u>Surface</u> a		,		
	Is the well pad in good condition (not cracked or broken)?	<u> </u>		
b	Is the well pad sloped away from the protective casing?			
С	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)	./		
е	Is the pad surface clean (not covered with sediment or debris)?	<u></u>		
		<u></u>		
4 <u>Internal</u>		/		
a	Does the cap prevent entry of foreign material into the well?	<u>~</u>		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	. /		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?	<u>~</u>	-	
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	Λ		
	couplings in construction)			
5 <u>Samplin</u>	g: Groundwater Wells Only:	ett.		Δ. ا ر
a	Does well recharge adequately when purged?	·X		<u> N A</u>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	Ø4.)		AI A
С	Does the well require redevelopment (low flow, turbid)?	_ <u>X</u> _		1/1
		•		_/*/1
o based c	n 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?	/		
	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

Site Name	Plant Mitchell			
Permit Number	N/A			
Well ID	PZ-2D			
Date	3/1/21	_		
4.1	- Underweit Grand in the	Yes	No	n/a
i <u>Locatioi</u> a	<u>n/Identification</u> 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			***
Ü	protection from traffic?			
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u>V</u>		
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?		***************************************	
С	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?	<u> </u>		
е	Is the well locked and is the lock in good condition?			-
3 <u>Surface</u>	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	1		
b	Is the well pad sloped away from the protective casing?	V		
С	Is the well pad in complete contact with the protective casing?	1/	***************************************	
, d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does no	<u> </u>		
e	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal</u> a		_		
b	Does the cap prevent entry of foreign material into the well? Is the casing free of kinks or bends, or any obstructions from	<u> </u>	-	
D	foreign objects (such as bailers)?	V		
С	Is the well properly vented for equilibration of air pressure?		MEMO-10	
d	Is the survey point clearly marked on the inner casing?	1/-		
е	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)			
	g: Groundwater Wells Only:	,		
a	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition		-	
b	and specified in the approved groundwater plan for the facility?			·/
С	Does the well require redevelopment (low flow, turbid)?		1/	
	n your professional judgement, is the well construction / location			
o based o	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	/		
7 Correctiv	ve actions as needed, by date:			
7 00110001	To actions do nocaca, by date.			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

e Name	Plant Mitchell			
mit Number	N/A	-		
ll ID	PZ-25			
е	3/1/21			
		Yes	No	n/a
<u></u>	Identification	,		
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)	./		
0. Dec (1)				
2 Protective	<u>e Casing</u> Is the protective casing free from apparent damage and able to be			
а	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,			
ď	or filled with pea gravel/sand?	. /		•
е	Is the well locked and is the lock in good condition?	<u></u>		
	•	<u>~</u>		
3 <u>Surface p</u>	<u>aad</u>	,		
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?		•	
С	Is the well pad in complete contact with the protective casing?	1		
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does not	t ,		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal ca	asing			
а	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)?			
С	Is the well properly vented for equilibration of air pressure?	1		
d	Is the survey point clearly marked on the inner casing?			
е	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)			-
5 <u>Sampling</u> :	: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition			
	and specified in the approved groundwater plan for the facility?			
Ċ	Does the well require redevelopment (low flow, turbid)?			NA
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	e actions as needed, by date:			

ame Number	Plant Mitchell N/A			
)	$\frac{pz-3D}{2}$			
	3/1/2	Yes	No	nla
1 Location	n/Identification	162	140	n/a
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?	7		
C	Is the well in a high traffic area and does the well require			-
· ·	protection from traffic?	V		
d	Is the drainage around the well acceptable? (no standing water,	 		
	nor is well located in obvious drainage flow path)	/_		
2 Protectiv	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
	secured?	<u></u>		-
b	Is the casing free of degradation or deterioration?	V		
C	Does the casing have a functioning weep hole?	V	·	
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	<u> </u>		
е	Is the well locked and is the lock in good condition?	<u> </u>		
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	V		
С	Is the well pad in complete contact with the protective casing?	V		
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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?	<u> </u>		
4 Internal	casing			
<u></u> а	Does the cap prevent entry of foreign material into the well?	V		
b	Is the casing free of kinks or bends, or any obstructions from			
	foreign objects (such as bailers)?			
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
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)			
5.0- "				
-	g: Groundwater Wells Only:			11/
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition		-	_/^/
U	and specified in the approved groundwater plan for the facility?			NA
С	Does the well require redevelopment (low flow, turbid)?		 .	NA
	your professional judgement, is the well construction / location			
5 Daooa 01	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?	/		P
7 0 "	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Davil & Harry

lame it Number	Plant Mitchell N/A	_		
n Number D	N/A			
Ь	2/1/1			
	3/1/21	- Yes	No	n/a
1 Location	n/ldentification		110	ma
а	Is the well visible and accessible?	1/		
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require protection from traffic?	V		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	V		-
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	1		
С	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?			
е	Is the well locked and is the lock in good condition?	$\overline{}$		
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	1		·
b	Is the well pad sloped away from the protective casing?			
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?	-		
4 14 1	,			
4 <u>Internal</u> a				
b	Does the cap prevent entry of foreign material into the well? Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?			
С	Is the well properly vented for equilibration of air pressure?			·
d	Is the survey point clearly marked on the inner casing?			******
е	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)			
5 <u>Sampling</u>	g: Groundwater Wells Only:			1
а	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			NA
С	Does the well require redevelopment (low flow, turbid)?			NA
6 Based or	n 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?	✓		

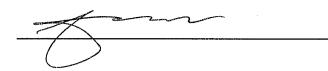
Signature and Seal of PE/PG responsible for inspection

Daniel & Howard

Name	Plant Mitchell	_		
mit Number	N/A	_		
l ID	P2-4P			
Э	03/02/2021	- Vaa	NI -	!
1 Locatio	n/Identification	Yes	No	n/a
a	Is the well visible and accessible?	✓		
b	Is the well properly identified with the correct well ID?			H
С	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>/</u>		
2 Protecti	ive Casing			
а	Is the protective casing free from apparent damage and able to be secured?	• /		
b	Is the casing free of degradation or deterioration?	$\overline{}$		
С	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?	<u> </u>		
е	Is the well locked and is the lock in good condition?	$\overline{\sim}$		
3 Surface	<u>e pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	·C		
b	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not	<u> </u>		
е	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?	~		
4 <u>Internal</u>	casing			
а	Does the cap prevent entry of foreign material into the well?	V		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?			-
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	Is the depth of the well consistent with the original well log?	<u> </u>		
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)			
5 <u>Samplin</u>	ng: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			\leq
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 o	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 Correcti	ve actions as needed, by date:			

e Name	Plant Mitchell			
rmit Number	N/A	_		
ell ID	<u> 72-45</u>	_		
te	03/02/2021	_\		
1 Location	/Identification	Yes	No	n/a
<u>———</u>	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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>/</u>		
2 Protectiv	re Casing			
a	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface	nad			
а <u>однасо </u>	Is the well pad in good condition (not cracked or broken)?	,		
b	,	<u>~</u>		
	Is the well pad sloped away from the protective casing?			
c d	Is the well pad in complete contact with the protective casing? 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)	~		
е	Is the pad surface clean (not covered with sediment or debris)?	$\overline{\underline{\hspace{1cm}}}$		
4 Internal o	easing			
а	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)?			
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	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> </u>		-
5 <u>Sampling</u>	g: Groundwater Wells Only:			
а	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?			\sim
С	Does the well require redevelopment (low flow, turbid)?			
6 Based or	a 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	e actions as needed, by date:			

ame	Plant Mitchell	_		
Number	N/A	_		
)	P7-65			
	03/02/2021	Yes	No	n/a
1 Location	n/Identification	162	NO	II/a
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?	~		
С	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)			
2 Protecti	ve Casing			
а	Is the protective casing free from apparent damage and able to be	_		
h	secured?			
b	Is the casing free of degradation or deterioration? Does the casing have a functioning weep hole?			
c d	Is the annular space between casings clear of debris and water,			
ŭ	or filled with pea gravel/sand?	./		
е	Is the well locked and is the lock in good condition?			
3 Surface	•		-	
a <u>Surface</u>				
	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	<u></u>		
С	Is the well pad in complete contact with the protective casing?	<u></u>		
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)	1		
е	Is the pad surface clean (not covered with sediment or debris)?	V		
4 Internal	casing			
а	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)?	<u> </u>		B
С	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)	./		
5 Samplin	g: Groundwater Wells Only:			
a <u>sampiin</u>	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?			/
С	Does the well require redevelopment (low flow, turbid)?			~
6 Based o	n 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?			



Number	N/A	_		
כ	PZ-70	_		
	3-1-21	V	k 1	I
1 Location	n/Identification	Yes	No	n/a
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?		-	-
С	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)			-
2 Protecti	ve Casing			
a a	Is the protective casing free from apparent damage and able to be			
	secured?			
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	V.		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	~		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?	//		
b	Is the well pad sloped away from the protective casing?			
С	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			
0	move when stepped on)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal</u>		,		
а	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		<u> </u>		
d	Is the well properly vented for equilibration of air pressure? Is the survey point clearly marked on the inner casing?	<u>~</u>		
e e	Is the depth of the well consistent with the original well log?	<u></u>		
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)	/		
5 <u>Sam</u> plin	g: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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?			
	ve actions as needed, by date:			

ame t Number	Plant Mitchell N/A	-		
	PZ-75	_		
	3-1-21			
		Yes	No	n/a
1 Location	<u>n/Identification</u>			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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></u>		
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	V		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	~		
е	Is the well locked and is the lock in good condition?	V		
3 Surface	nad			
a <u>Surface</u>				
	Is the well pad in good condition (not cracked or broken)?	<u> </u>		
b.	Is the well pad sloped away from the protective casing?	V		
С	Is the well pad in complete contact with the protective casing?	u		
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)?	$\frac{\nu}{\nu}$		
4 Internal	- casing			
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	<u></u>		
D	foreign objects (such as bailers)?	11		
С	Is the well properly vented for equilibration of air pressure?	v		
d	Is the survey point clearly marked on the inner casing?	1/		
e	Is the depth of the well consistent with the original well log?	<u> </u>		
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)	V		
5 Samplin	g: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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?			
	ve actions as needed, by date:			

ite Name	Plant Mitchell			
ermit Nun		***************************************		
/ell ID	PZ-80	 -		
ate	3-2-21	· · · · · · · · · · · · · · · · · · ·		
		Yes	No	n/a
1 <u>L</u>	_ocation/Identification			
ε	is the well visible and accessible?			
t	Is the well properly identified with the correct well ID?			
c	that the first and the second			
	protection from traffic?		//	
	ls the drainage around the well acceptable? (no standing wa	iter,		
	nor is well located in obvious drainage flow path)			
2 F	Protective Casing			
~ <u>-</u> -		e to be		
	secured?	//	•	
b	Is the casing free of degradation or deterioration?	-		
С	· · · · · · · · · · · · · · · · · · ·	1/		
. d	- ,	ater.		*****
	or filled with pea gravel/sand?	· /		
е	the contract of the contract o	-		
3 C	Surface pad	*****		
э <u>с</u>		_		
	is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	V		
С	Is the well pad in complete contact with the protective casing	1?		
d	Is the well pad in complete contact with the ground surface a	ind		
	stable? (not undermined by erosion, animal burrows, and do	es not		
	move when stepped on)	<i>\(\omega\)</i>		
е	ls the pad surface clean (not covered with sediment or debri	s)?		
4 Ir	nternal casing			
a		/		
b			B74644	
~	foreign objects (such as bailers)?	· //		
С		16		
d		1/		
e				
f	, ,	ched		
	or can it be taken apart by hand due to lack of grout or use o			
	couplings in construction)			
5 S	Sampling: Groundwater Wells Only:			****
а а				
b b		tion		
	and specified in the approved groundwater plan for the facilit			
С		***************************************		
6 B	ased on your professional judgement, is the well construction / locatio	—— n		
~ D	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regula	torv		
	requirements?	•••		
	·		-	

e Name	Plant Mitchell			
mit Number	N/A			
II ID	PZ-85	-		
te	3-2-21			
.0	0 0	Yes	No	n/a
1 Location	n/Identification	100	110	1170
а	Is the well visible and accessible?	~		
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require			
	protection from traffic?		سسن	,
d	Is the drainage around the well acceptable? (no standing water,			
	nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be	е		
	secured?		•	
b	Is the casing free of degradation or deterioration?			
С	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?	/		
е	Is the well locked and is the lock in good condition?			
3 Surface	•			R-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
3 <u>Surface</u> a		_		
	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	V		
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 no	t		
	move when stepped on)	~		
е	Is the pad surface clean (not covered with sediment or debris)?	V		
4 <u>Internal</u>	casing			
а	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)?			
С	Is the well properly vented for equilibration of air pressure?	1/		
d	Is the survey point clearly marked on the inner casing?	2/		
е	Is the depth of the well consistent with the original well log?	1/		
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)			
5 <u>Samplin</u>	g: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based ი	n your professional judgement, is the well construction / location	_		
- 200000	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?			
7 (·			
/ Correctiv	ve actions as needed, by date:			

e Name	Plant Mitchell			
rmit Number	N/A			
ell ID	PZ-90			
te	3-2-21	_ _		
4.1		Yes	No	n/a
	n/Identification	,		
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?	1/		
С	Does the casing have a functioning weep hole?	1/		
d	Is the annular space between casings clear of debris and water,			THE STATE OF THE S
	or filled with pea gravel/sand?	//		
е	Is the well locked and is the lock in good condition?	1/		
3 Surface	-			
a		_		
b	Is the well pad in good condition (not cracked or broken)?	<u>~</u>		
D	Is the well pad sloped away from the protective casing?	<u>~</u>	***************************************	
С	Is the well pad in complete contact with the protective casing?	<u></u>		
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)?			
4 Internal				
a 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			
S	foreign objects (such as bailers)?	V	*	
С	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)	V		
5 <u>Samplin</u>	g: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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?			
	ve actions as needed, by date:			



ame Number	Plant Mitchell	-		
t Number O	N/A	-	*	
,	PZ-9s 3-2-21	-		
		Yes	No	n/a
1 Location	n/Identification			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require protection from traffic?	•	<u> </u>	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	V		
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?	V		
b	Is the casing free of degradation or deterioration?		:	
С	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?	<u>/</u>		
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	~	. 6	
b			W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
	Is the well pad sloped away from the protective casing? Is the well pad in complete contact with the protective casing?	<u>~</u> _		
c 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)	<u> </u>		
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			s g [*]
а	Does the cap prevent entry of foreign material into the well?	V		i
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<u></u>		
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
_. d	Is the survey point clearly marked on the inner casing?	V		
e f	Is the depth of the well consistent with the original well log? 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)	V		
•	g: Groundwater Wells Only:			
a b	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			-
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
6 Based o	n your professional judgement, is the well construction / location			
0 50000	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
7.0	ve actions as needed, by date:			

Site Name	Plant Mitchell			
Permit Number	N/A			
Well ID	PZ-10s			
Date	3-2-21	- -		
1 Locat	tion/Identification	Yes	No	n/a
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)			
2 Prote	ctive Casing			
a	Is the protective casing free from apparent damage and able to be secured?	· 		
b	Is the casing free of degradation or deterioration?		***************************************	
С	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?	<u></u>		
е	Is the well locked and is the lock in good condition?			
3 Surfa	ce pad			
a	Is the well pad in good condition (not cracked or broken)?	,		
b	Is the well pad sloped away from the protective casing?	V		
С	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)	t		
е	Is the pad surface clean (not covered with sediment or debris)?	V		
4 Intern	al casing			
а	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)?	$\overline{}$		
С	Is the well properly vented for equilibration of air pressure?	1/	Bris.	
d	Is the survey point clearly marked on the inner casing?	<u></u>		
е	Is the depth of the well consistent with the original well log?	V		 .
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)			
5 <u>Sam</u> p	ling: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based	d 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 Corre	ctive actions as needed, by date:			

te Name	Plant Mitchell	_		
ermit Number	N/A	_		
ell ID	PZ-115	_		
ate	3-1-21			
		Yes	No	n/a
	n/ldentification			
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require			/
لم	protection from traffic?			w
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u> </u>		
2 Protecti	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?		_	
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?	<u></u>		
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			W-10-36-00-30
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?	<u></u>		
4 Internal	casing		_	
а	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)?	<u></u>		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
е	Is the depth of the well consistent with the original well log?	<u> </u>		
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)	/		
5 <u>Samplin</u>	g: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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 Correctiv	ve actions as needed, by date:			

Name nit Number	Plant Mitchell N/A	_		
ID	P2_10 €			
	\$101/2021			
	23/0(100)	- Yes	No	n/a
1 Location	/Identification			117 04
а	Is the well visible and accessible?	✓		
b	Is the well properly identified with the correct well ID?	-		
С	Is the well in a high traffic area and does the well require			W-W-W-W-
	protection from traffic?			
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	~		
2 Protectiv	ve Casing			
a a	Is the protective casing free from apparent damage and able to be)		
h	secured?			
b	Is the casing free of degradation or deterioration?		<u> </u>	
c d	Does the casing have a functioning weep hole? Is the annular space between casings clear of debris and water,			
u	or filled with pea gravel/sand?	. /		
е	Is the well locked and is the lock in good condition?			
	_			
3 <u>Surface</u>				
а	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	V		
С	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 no	t _	***************************************	***
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal c	easing			:
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?			*****
е	Is the depth of the well consistent with the original well log?	$\overline{\mathcal{L}}$		
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			
<u>.</u>	couplings in construction)	<u>~</u>		
-	g: Groundwater Wells Only:			
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?			/
С	Does the well require redevelopment (low flow, turbid)?			
ნ 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 0	e actions as needed, by date:		***************************************	

Signature and Seal of PE/PG responsible for inspection

- Em

te Name	Plant Mitchell			
ermit Number	N/A			
ell ID	PZ-135	-		
ate	3/2/21	-		
		Yes	No	n/a
1 <u>Locatio</u>	n/Identification	,		
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)	V		
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	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?	N/		
е	Is the well locked and is the lock in good condition?			
3 Surface	pad			
a		/		
b	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?			
С	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)		/	
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
a internal	Does the cap prevent entry of foreign material into the well?			
b	Is the casing free of kinks or bends, or any obstructions from			
5	foreign objects (such as bailers)?	_		
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			***************************************
е	Is the depth of the well consistent with the original well log?	V		
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)			
5 Samplin	g: Groundwater Wells Only:			
а	Does well recharge adequately when purged?	_ _	4	NA
b	If dedicated sampling equipment installed, is it in good condition	dos		
	and specified in the approved groundwater plan for the facility?	_ iZ 01	4	NA
С	Does the well require redevelopment (low flow, turbid)?		! _	MA
6 Based o	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?	~		

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

	orounawater morntoring wen integrity roini			
Name	Plant Mitchell			
mit Number	N/A	-		
l ID	PZ-14	_		
€	03/02/2021	_		
4.1	The state of	Yes	No	n/a
· · · · · · · · · · · · · · · · · · ·	n/Identification			
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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,	<u> </u>		
ď	nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
а а	Is the protective casing free from apparent damage and able to be)		
	secured?	~		
b	Is the casing free of degradation or deterioration?			-
С	Does the casing have a functioning weep hole?	1/		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?	$\overline{}$		
3 Surface	pad			
а	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	<u> </u>		
	stable? (not undermined by erosion, animal burrows, and does not	į		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
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)?			
С	Is the well properly vented for equilibration of air pressure?			-
d	Is the survey point clearly marked on the inner casing?	-		
е	Is the depth of the well consistent with the original well log?	<u> </u>		
f	Is the casing stable? (or does the pvc move easily when touched	<u>×</u>		
	or can it be taken apart by hand due to lack of grout or use of slip	_		
	couplings in construction)			100
5 <u>Samplin</u>	g: Groundwater Wells Only:			
а	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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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 Correctiv	ve actions as needed, by date:			
1 OULECT!	ro actions as Heeded, by date,			



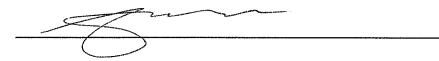
it Number	N/A			
ID	PZ-15	_		
	3-1-21	- V	No	/
1 Location	<u>//Identification</u>	Yes	NO	n/a
a	Is the well visible and accessible?	4		
b	Is the well properly identified with the correct well ID?			-
С	Is the well in a high traffic area and does the well require protection from traffic?		~	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u></u>		
2 Protectiv	ve Casing			
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C	Is the well properly vented for equilibration of air pressure?	<u></u>		
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e f	Is the depth of the well consistent with the original well log? Is the casing stable? (or does the pvc move easily when touched			PT-11-1-1-1-1
ı	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	1/		
5 Sampling	g: Groundwater Wells Only:			-
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?			
С	Does the well require redevelopment (low flow, turbid)?			-
6 Based or	a 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?			
	re actions as needed, by date:			

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Does the cap prevent entry of foreign material into the well?	<u> </u>		
s the casing free of kinks or bends, or any obstructions from			
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r can it be taken apart by hand due to lack of grout or use of slip			
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dedicated sampling equipment installed, is it in good condition			ATT.
			-
our professional judgement, is the well construction / location ppropriate to 1) achieve the objectives of the Groundwater fonitoring Program and 2) comply with the applicable regulatory			
	se the well properly vented for equilibration of air pressure? Is the survey point clearly marked on the inner casing? Is the depth of the well consistent with the original well log? 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 ouplings in construction) Froundwater Wells Only: Toes well recharge adequately when purged? I dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility? Toes the well require redevelopment (low flow, turbid)? Four professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater fonitoring Program and 2) comply with the applicable regulatory equirements?	s the well properly vented for equilibration of air pressure? Is the survey point clearly marked on the inner casing? Is the depth of the well consistent with the original well log? 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 ouplings in construction) Froundwater Wells Only: Ones well recharge adequately when purged? I dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility? Ones the well require redevelopment (low flow, turbid)? Four professional judgement, is the well construction / location ppropriate to 1) achieve the objectives of the Groundwater flonitoring Program and 2) comply with the applicable regulatory	s the well properly vented for equilibration of air pressure? s the survey point clearly marked on the inner casing? s the depth of the well consistent with the original well log? s 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 ouplings in construction) Groundwater Wells Only: Groundwater Wells Only: Groundwater wells only: Groundwater wells only: Groundwater plan for the facility?

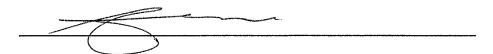
Number	N/A	_	,	
)	PZ-17	···		
	3-1-21	- 😽		,
1 Location	ı/ldentification	Yes	No	n/a
a	Is the well visible and accessible?	4		
b	Is the well properly identified with the correct well ID?			
C	Is the well in a high traffic area and does the well require protection from traffic?			***************************************
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protectiv	ve Casing			
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?			
е	Is the well locked and is the lock in good condition?			
	•			
3 <u>Surface</u> a		_		: .
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C	Is the well pad in complete contact with the protective casing?			
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0	move when stepped on)	<u> </u>		
e _.	Is the pad surface clean (not covered with sediment or debris)?			
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	foreign objects (such as bailers)?			
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d	Is the survey point clearly marked on the inner casing?	<u></u>		
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)	/		
E Camplin	,			
	g: Groundwater Wells Only: Does well recharge adequately when purged?			
a b	If dedicated sampling equipment installed, is it in good condition	<u></u>		
b	and specified in the approved groundwater plan for the facility?			
С	Does the well require redevelopment (low flow, turbid)?			
	n your professional judgement, is the well construction / location			
- Duoou 0	appropriate to 1) achieve the objectives of the Groundwater			•
	Monitoring Program and 2) comply with the applicable regulatory			
	requirements?			
7 Comodii	ve actions as needed, by date:			

	Groundwater Mointoining West Integrity Form			
Name	Plant Mitchell			
mit Number	N/A	The same of the sa		
l I D	PZ-18	_		
Э	3-1-21	_		
		Yes	No	n/a
1 Location	<u>/Identification</u>	_		
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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,			
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С	Does the casing have a functioning weep hole?	1/		
d	Is the annular space between casings clear of debris and water,			-
	or filled with pea gravel/sand?	V		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface p</u>	<u>oad</u>			
а	Is the well pad in good condition (not cracked or broken)?	1/		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?			
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ű	stable? (not undermined by erosion, animal burrows, and does not	:		
e e	move when stepped on)			-
C	Is the pad surface clean (not covered with sediment or debris)?			
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	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	,/		
5 Sampling	: Groundwater Wells Only:			-
a <u>Sampling</u>	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			
- 23000 011	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
7 Corrective	e actions as needed, by date:			

Name	Plant Mitchell			
mit Number	N/A			
l ID	77-19	_		
9	03/01/2021			
		- Yes	No	n/a
1 Location	<u>/Identification</u>			
а	Is the well visible and accessible?	<u> </u>		
b	Is the well properly identified with the correct well ID?	V		
С	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></u>		
2 Protectiv	e Casina			
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?		-	M
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	<u> </u>		
е	Is the well locked and is the lock in good condition?			
	·			-
3 <u>Surface p</u>				
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	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<u> </u>		
5 <u>Sampling</u>	: Groundwater Wells Only:			
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	and specified in the approved groundwater plan for the facility?			
С	Does the well require redevelopment (low flow, turbid)?			~
6 Based on	your professional judgement, is the well construction / location			
2.2 = 2.1	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory	_		
	requirements?	/		
7 Corroctive	e actions as needed, by date:			



Name	Plant Mitchell			
mit Number	N/A	_ 		
II ID	P7-20	_		
e	03/01/2021	<u> </u>		
4 000#10#	·//dowlification	Yes	No	n/a
-	n/Identification	_		
a	Is the well visible and accessible?			
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3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	V		
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	stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	t /		
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	or can it be taken apart by hand due to lack of grout or use of slip			
E 0	couplings in construction)			
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	n your professional judgement, is the well construction / location			1/
U Dasca U	appropriate to 1) achieve the objectives of the Groundwater			
	Monitoring Program and 2) comply with the applicable regulatory		-	
	requirements?			
7 Carracti	ve actions as needed, by date:			



t Number	N/A	-		
D	PZ-21	_		
	3/1/21	Yes	No	-/-
1 Location	n/Identification	162	NO	n/a
a	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?			
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C	is the pad surface clean (not covered with sediment or depris)?			
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'	or can it be taken apart by hand due to lack of grout or use of slip			
	couplings in construction)	V		
5 <u>Sampl</u> in	g: Groundwater Wells Only:			
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	and specified in the approved groundwater plan for the facility?		PARTITION AND ADDRESS OF THE PARTITION AND AD	N
С	Does the well require redevelopment (low flow, turbid)?			<u> </u>
6 Based o	n 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?	<u></u>		-

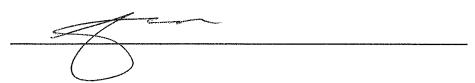
Site Name	Plant Mitchell			
Permit Number	N/A	•		
Well ID	PZ-22	-		
Date	3/1/21			
		Yes	No	n/a
	(Identification	/		
a	Is the well visible and accessible?			M
b	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require			
С	protection from traffic?	<u> </u>		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			•
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	stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	./		
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	couplings in construction)	/		
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а	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition		-	n 1 A
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			NA
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	e actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

Name	Plant Mitchell	<u>_</u>		
nit Number	N/A	_		
ID	PZ-234	_		
	03/02/2021	-		
1 Location	n/Identification	Yes	No	n/a
a <u>Location</u>	Is the well visible and accessible?	_		
b	Is the well visible and accessible? Is the well properly identified with the correct well ID?			
	Is the well in a high traffic area and does the well require			
C _.	protection from traffic?			~
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u> </u>		
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?			
b	Is the casing free of degradation or deterioration?			
С	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?			
е	Is the well locked and is the lock in good condition?			
3 Surface	nad			
a <u>Suriace</u>		-		
	Is the well pad in good condition (not cracked or broken)?			
b	Is the well pad sloped away from the protective casing?	<u></u>		
c d	Is the well pad in complete contact with the protective casing? Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not make when standard an)	<u> </u>		
е	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
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 d	Is the well properly vented for equilibration of air pressure? Is the survey point clearly marked on the inner casing?	<u>~</u>		
e 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)	✓		
5 Sampling	g: Groundwater Wells Only:			
а	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?			V
С	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n 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?	/		
	rogan omonto r			

ame	Plant Mitchell	_		
t Number	N/A	_		
D	87-24A	_		
	03/02/2021	Yes	No	m1-
1 Location	n/Identification	res	NO	n/a
а	Is the well visible and accessible?	/		
b	Is the well properly identified with the correct well ID?	<u>~</u>		
С	Is the well in a high traffic area and does the well require protection from traffic?	<u></u>		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	/		
b	Is the casing free of degradation or deterioration?			
С	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?		<u></u>	
е	Is the well locked and is the lock in good condition?			
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	\checkmark		
b	Is the well pad sloped away from the protective casing?			
С	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			**************************************
е	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?	<u> </u>		
4 <u>Internal</u>				
a b	Does the cap prevent entry of foreign material into the well? Is the casing free of kinks or bends, or any obstructions from			-
D	foreign objects (such as bailers)?			
С	Is the well properly vented for equilibration of air pressure?	~		
d	Is the survey point clearly marked on the inner casing?	<u></u>		
е	Is the depth of the well consistent with the original well log?	$\overline{\times}$	$\overline{}$	
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)			
-	g: Groundwater Wells Only:			_
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?			10
С	Does the well require redevelopment (low flow, turbid)?			
o Based o	n 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?			



Name	Plant Mitchell	_		
nit Number	N/A	_		
ID	PZ-25			
!	03/01/2021	_		
4.1	alldantification	Yes	No	n/a
1 <u>Location</u> a	<u>//Identification</u> Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require			
С	protection from traffic?	<u>~</u>		
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<u>~</u>		
2 Protectiv	ve Casing			
а	Is the protective casing free from apparent damage and able to be secured?	~		
b	Is the casing free of degradation or deterioration?	\ <u>\</u>		
c	Does the casing have a functioning weep hole?	<u> </u>		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?			
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	-		
b	Is the well pad sloped away from the protective casing?	~		
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?	$\overline{}$		
4 Internal of	casing			
 а	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)?	/		
С	Is the well properly vented for equilibration of air pressure?	~		
d	Is the survey point clearly marked on the inner casing?	$\overline{}$		
е	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)			
5 Sampling	g: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based or	n your professional judgement, is the well construction / location			
0.	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	V		
	re actions as needed, by date:			

Number	€ N/A	-		
)	PZ-26	-		
	3-2-21			
		Yes	No	n/a
	n/Identification	_		
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ve Casing			
<u></u> -	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?	_		
е	Is the well locked and is the lock in good condition?			
3 Surface	nad		-	
a <u>Surrace</u>				
а	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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Just v ml				
4 Internal			. *.	•
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)?	<u> </u>	******	
C	Is the well properly vented for equilibration of air pressure?	V		
d	Is the survey point clearly marked on the inner casing?	V	We -	
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)			
5 Samplin	g: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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 0	/e actions as needed, by date:			

te Name	Plant Mitchell			
ermit Number	N/A			
ell ID	PZ-27			
ate	03(0(1202)	- - ,,		
1 Location	n/Identification	Yes	No	n/a
a	Is the well visible and accessible?	V		
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ve Casing			
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?		***************************************	
е	Is the well locked and is the lock in good condition?			
3 Surface				
a <u>Surface</u>				
	Is the well pad in good condition (not cracked or broken)?			
b c	is the well pad sloped away from the protective casing? Is the well pad in complete contact with the protective casing?	<u> </u>		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does no	 t		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 <u>Internal</u>				
а	Does the cap prevent entry of foreign material into the well?	<u></u>		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
d	Is the survey point clearly marked on the inner casing?			
е	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)			
E Camalia		-		
	g: Groundwater Wells Only: Does well recharge adequately when purged?			_
a b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	17-11-17-17-17-17-1		
С	Does the well require redevelopment (low flow, turbid)?			
	n your professional judgement, is the well construction / location			
o baseu u	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	\ <u></u>		
7 Corrocti	·			
/ Correctiv	ve actions as needed, by date:			



ite Name	Plant Mitchell			
ermit Number	N/A			
/ell ID	P7-28			
ate	03/01/2021	_		
		Yes	No	n/a
1 <u>Locatio</u>	n/Identification			
а	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	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)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	· ~		
b	Is the casing free of degradation or deterioration?	~		
С	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?		**************************************	-
е	Is the well locked and is the lock in good condition?			
3 Surface				
3 <u>Surface</u> a				
	Is the well pad in good condition (not cracked or broken)?			
b c	Is the well pad sloped away from the protective casing? Is the well pad in complete contact with the protective casing?	<u></u>		. ———
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not	t	2-2-1-0-04	
е	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing			
a	Does the cap prevent entry of foreign material into the well?	1		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?			
С	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing?			
ë 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)			
5 Samplin	g: Groundwater Wells Only:			
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?			
С	Does the well require redevelopment (low flow, turbid)?			
6 Rased o	n your professional judgement, is the well construction / location			
5 Ed504 0	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	~		
7 Correctiv	ve actions as needed, by date:			



Site Name	Plant Mitchell			
Permit Number	, N/A	-		
Well ID	PZ-29	-		
Date	3/2/21	- -		
4. L C.	# 1	Yes	No	n/a
,	n/Identification	./		
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID? Is the well in a high traffic area and does the well require			
С	protection from traffic?	1		
d	Is the drainage around the well acceptable? (no standing water,			
ű	nor is well located in obvious drainage flow path)	· /		
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
	secured?	V		
b	Is the casing free of degradation or deterioration?	V		
С	Does the casing have a functioning weep hole?	<u> </u>		
d	Is the annular space between casings clear of debris and water,		-	
	or filled with pea gravel/sand?	<u></u>		
е	Is the well locked and is the lock in good condition?			
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?			
С	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)			
е	Is the pad surface clean (not covered with sediment or debris)?			
4 Internal	casing	,		
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)?			
С	Is the well properly vented for equilibration of air pressure?	_/		
d	Is the survey point clearly marked on the inner casing?	_/		
е	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)	./		
F.O. "	,			
	g: Groundwater Wells Only:			111
a	Does well recharge adequately when purged? If dedicated sampling equipment installed, is it in good condition			NH
b	and specified in the approved groundwater plan for the facility?			MA
С	Does the well require redevelopment (low flow, turbid)?			1/4
				14/1
o based of	n 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?	V		
7.00	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

David L Howard

Site Name	Plant Mitchell			
Permit Number	N/A	_		
Well ID	PZ-31	_		
Date	3/1/21	- - _V .		,
1 Location	n/Identification	Yes	No	n/a
а	Is the well visible and accessible?	/		
b	is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require protection from traffic?		,	B41Get
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be secured?	V		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	V		
d	Is the annular space between casings clear of debris and water,			
	or filled with pea gravel/sand?	√		
е	Is the well locked and is the lock in good condition?	<u> </u>		
3 Surface	pad			
а	Is the well pad in good condition (not cracked or broken)?	レ		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?	1		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not			**************************************
е	move when stepped on) Is the pad surface clean (not covered with sediment or debris)?	~		
4 Internal		PHARMA AND AND AND AND AND AND AND AND AND AN		
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)?	<u> </u>		
С	Is the well properly vented for equilibration of air pressure?	<u> </u>		
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)			
5 <u>Sam</u> plin	g: Groundwater Wells Only:	,		
a	Does well recharge adequately when purged?	V		
b	If dedicated sampling equipment installed, is it in good condition			
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
		-		
o Based o	n 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?	V		
7 Correctiv	/e actions as needed, by date:			
, Confectiv	ro actions as mooded, by date,			

Signature and Seal of PE/PG responsible for inspection

Daniel L Haward

lame	Plant Mitchell			
it Number ID	N/A	•		
טו	2/1/21			
	- VII/41	Yes	No	n/a
1 Location	n/Identification	, 03	110	11/G
a	Is the well visible and accessible?	1/	•	
b	Is the well properly identified with the correct well ID?	~		
С	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)			
2 Protecti	ve Casing			
a	Is the protective casing free from apparent damage and able to be			
	secured?	V		
b	Is the casing free of degradation or deterioration?	V		
С	Does the casing have a functioning weep hole?	~		
d	Is the annular space between casings clear of debris and water,	A		
_	or filled with pea gravel/sand?	<u> </u>		
е	Is the well locked and is the lock in good condition?	V		
3 <u>Surface</u>	pad			
а	Is the well pad in good condition (not cracked or broken)?	\checkmark		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?	/		-
d	Is the well pad in complete contact with the ground surface and	<u></u>		
ч	stable? (not undermined by erosion, animal burrows, and does not			
	move when stepped on)	/		
е	Is the pad surface clean (not covered with sediment or debris)?		· · · · · · · · · · · · · · · · · · ·	
/ Internal				
4 <u>Internal</u>				
a b	Does the cap prevent entry of foreign material into the well? Is the casing free of kinks or bends, or any obstructions from	V		
b	foreign objects (such as bailers)?	1/		
С	Is the well properly vented for equilibration of air pressure?	<u></u>		
d	Is the survey point clearly marked on the inner casing?	1/		
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)			
5 <u>Samplin</u>	g: Groundwater Wells Only:		— _	
а	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?	/		·
С	Does the well require redevelopment (low flow, turbid)?			
6 Based o	n 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	1		
	requirements?			
"	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Daniel & Howard

Name	Plant Mitchell			
nit Number	N/A	_		
ID ,	<u>PZ-42</u>	_		
	3/2/21	-		
4.1	A description of the co	Yes	No	n/a
	/Identification	,		
a	Is the well visible and accessible?			
b	Is the well properly identified with the correct well ID?			
С	Is the well in a high traffic area and does the well require		/	
لم	protection from traffic? Is the drainage around the well acceptable? (no standing water,			
d	nor is well located in obvious drainage flow path)	_/		
2 Protectiv	e Casing			
a	Is the protective casing free from apparent damage and able to be)		
	secured?	V		
b	Is the casing free of degradation or deterioration?			-
С	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?			
е	Is the well locked and is the lock in good condition?			
3 <u>Surface r</u>	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?			
С	Is the well pad in complete contact with the protective casing?	<u>, , , , , , , , , , , , , , , , , , , </u>		
d	Is the well pad in complete contact with the ground surface and			
	stable? (not undermined by erosion, animal burrows, and does no	t		
	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?	$\overline{\mathcal{L}}$		
4 Internal c	asing			
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)?	/		
С	Is the well properly vented for equilibration of air pressure?	$\overline{}$		
d	Is the survey point clearly marked on the inner casing?	V		
е	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)			
5 <u>Sampling</u>	: Groundwater Wells Only:			
а	Does well recharge adequately when purged?			NA
b	If dedicated sampling equipment installed, is it in good condition			n/ 1
•	and specified in the approved groundwater plan for the facility?		A	10/1
С	Does the well require redevelopment (low flow, turbid)?			NA
ଟ 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?			

Signature and Seal of PE/PG responsible for inspection

Daniel L Howard

	Ordinawater monitoring wen integrity rollin			
Site Name	Plant Mitchell			
ermit Number	N/A			
Vell ID	PZ-33			
Date	3-2-21	_		
4 0001:00		Yes	No	n/a
	n/Identification			
a	Is the well visible and accessible?			
b	is the well properly identified with the correct well ID?			····
С	Is the well in a high traffic area and does the well require protection from traffic?		a	_
d	Is the drainage around the well acceptable? (no standing water,			
u	nor is well located in obvious drainage flow path)	<i></i>		
2 Protecti	ve Casing	. ,		
a	Is the protective casing free from apparent damage and able to be secured?	e //		
b	Is the casing free of degradation or deterioration?			
С	Does the casing have a functioning weep hole?	1/		-
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?			
е	Is the well locked and is the lock in good condition?		***************************************	
3 Surface	<u>pad</u>			
а	Is the well pad in good condition (not cracked or broken)?	/		
b	Is the well pad sloped away from the protective casing?	~		
С	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 no	t		-
0	move when stepped on)			
е	Is the pad surface clean (not covered with sediment or debris)?	<u>v</u>		-
4 <u>Internal</u>				
a	Does the cap prevent entry of foreign material into the well?	<u> </u>		
b	Is the casing free of kinks or bends, or any obstructions from			
0	foreign objects (such as bailers)?	<u> </u>		
C	Is the well properly vented for equilibration of air pressure?			
d	Is the survey point clearly marked on the inner casing? Is the depth of the well consistent with the original well log?	<i>1</i>		
e f	Is the casing stable? (or does the pvc move easily when touched	_/_		N
'	or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)			
5 <u>Sa</u> mplin	g: <u>Groundwater Wells Only:</u>	***************************************		
a	Does well recharge adequately when purged?			
b	If dedicated sampling equipment installed, is it in good condition			
С	and specified in the approved groundwater plan for the facility? Does the well require redevelopment (low flow, turbid)?			
6 Based o	n your professional judgement, is the well construction / location			
2 24004 01	appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
7 Corrocti	·			
Correctiv	ve actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

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2021 Annual Groundwater Monitoring and Corrective Action Report Georgia Power Company – Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

APPENDIX C

STATISTICAL ANALYSES

TABLE C1 STATISTICAL ANALYSIS SUMMARY FOR APPENDIX III CONSTITUENTS OCTOBER 2020 AND MARCH 2021 EVENTS

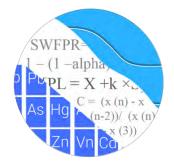
Plant Mitchell Ash Ponds A, 1, and 2 Putney, Georgia

Appendix III	Monitoring Event	Wells with Concentrations Above Prediction Limits
Constituents Boron	October 2020	PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25,
DOTOIT	October 2020	PZ-7D, PZ-13, PZ-16, PZ-17, PZ-16, PZ-19, PZ-23A, PZ-23, PZ-33
Calcium	October 2020	PZ-18, PZ-19, PZ-23A
Chloride	October 2020	PZ-15, PZ-16, PZ-17, PZ-18, PZ-23A
Fluoride		None
	October 2020	
pH	October 2020	PZ-18, PZ-19, PZ-23A, PZ-25
Sulfate	October 2020	PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A,
Tatal Disastrad	0-+	PZ-25, PZ-33
Total Dissolved	October 2020	PZ-7D, PZ-15, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-33
Solids	NA 1 2024	D7 7D D7 45 D7 46 D7 47 D7 40 D7 40 D7 224 D7 25
Boron	March 2021	PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25,
Calainna	M 2021	PZ-33
Calcium	March 2021	PZ-7D, PZ-14, PZ-17, PZ-18, PZ-19, PZ-23A
Chloride	March 2021	PZ-15, PZ-16, PZ-18, PZ-23A
Fluoride	March 2021	None
рН	March 2021	PZ-7D, PZ-18, PZ-19, PZ-23A
Sulfate	March 2021	PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A,
		PZ-25, PZ-33
Total Dissolved	March 2021	PZ-7D, PZ-17, PZ-18, PZ-19, PZ-23A
Solids		

GROUNDWATER STATS CONSULTING

February 23, 2021

Southern Company Services Attn: Mr. Joju Abraham 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308-3374



Re: Plant Mitchell Ash Pond

1st Semi-Annual 2020 Statistical Analysis - October Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the October 2020 Semi-Annual Groundwater Monitoring and Corrective Action 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 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:

- o **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, and PZ-33

Note that well PZ-23 was abandoned and was replaced with well PZ-23A. Since the new well PZ-23A was installed in close proximity to well PZ-23A, the historical data and new data have been combined. Well PZ-23A was first sampled during the March 2020 event.

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

The CCR program 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% nondetects since 2016 for Appendix IV constituents follow this letter. Additionally, when Appendix IV constituents are not detected during a scheduled Scan event, no statistical analyses are required during the semi-annual sample event. During the annual Scan event conducted in August 2020, arsenic, beryllium, and cadmium were not detected, and therefore, were not required to be sampled during the October 2020 event. Those three constituents were included on time series and box plots, but were not included in statistical analyses. For all constituents, a substitution of the most recent reporting limit is used for nondetect data. For calculating prediction limits, the substitution is performed for individual wells and may differ across wells. This generally gives the most conservative limit in each case. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

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 boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- Appendix IV: Confidence intervals on downgradient well data compared against Ground Water 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 nondetects, 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 nondetects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.

- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

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.

Background Screening – Conducted in March 2019

Outlier and Trend Testing

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 are 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 are similar to remaining measurements within a given well or neighboring wells or were nondetects.

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.

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.

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 sets.

<u>Appendix III – Determination of Spatial Variation</u>

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 will be used for all Appendix III constituents in accordance with Georgia EPD requirements.

Statistical Analysis of Appendix III Parameters - October 2020 Sample Event

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. No new values were flagged as outlier and a summary of previously flagged outliers follows this report (Figure C).

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2020 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs).

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 and PZ-23A

• Chloride: PZ-15, PZ-16, PZ-17, PZ-18, and PZ-23A

pH: PZ-18, PZ-19, PZ-23A, and PZ-25

• 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, PZ-33, and PZ-7D

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (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 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

Sulfate: PZ-14 and PZ-23A

TDS: PZ-23A

Decreasing:

• Boron: PZ-7D

• Chloride: PZ-31 (upgradient)

• Sulfate: PZ-25, PZ-31 (upgradient), and PZ-33

Statistical Analysis of Appendix IV Parameters - October 2020 Sample Event

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Ground Water Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that have 100% ND or trace values below the reporting limits 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).

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through October 2020 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% nondetects 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

groundwater protection standard (GWPS) under Georgia EPD Rule 391-3-4-.10(6)(a). As described in 40 CFR §257.95(h) (1-3), the GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

Following Georgia EPD Rule requirements, GWPS were established for statistical comparison of Appendix IV constituents for the October 2020 sample event for the state rules (Figure G). To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in accordance with the state requirements in each downgradient well (Figure H). 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 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,

Abdul Diane

Groundwater Analyst

Kristina L. Rayner

Groundwater Statistician

Listina Rayner

Sanitas™ v.9.6.27 . U0

100% Non-Detects

Analysis Run 12/8/2020 1:54 PM View: Appendix IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Antimony (mg/L) PZ-25, PZ-32

Arsenic (mg/L)

PZ-16, PZ-18, PZ-1D, PZ-31, PZ-7D

Beryllium (mg/L)

PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-31, PZ-32, PZ-33, PZ-7D

Cadmium (mg/L)

PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-1D, PZ-25, PZ-2D, PZ-31, PZ-32, PZ-7D

Chromium (mg/L) PZ-15, PZ-17, PZ-25

Cobalt (mg/L)

PZ-1D, PZ-2D, PZ-7D

Lead (mg/L)

PZ-14, PZ-17, PZ-25, PZ-7D

Lithium (mg/L)

PZ-16, PZ-1D, PZ-31, PZ-32, PZ-33

Mercury (mg/L)

PZ-32

Molybdenum (mg/L) PZ-18, PZ-32, PZ-33, PZ-7D

Selenium (mg/L)

PZ-16, PZ-17, PZ-18, PZ-1D, PZ-25, PZ-2D, PZ-31, PZ-32, PZ-33

Thallium (mg/L)

PZ-1D

Interwell Predicition Limit - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 1:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02691	n/a	10/7/2020	0.19	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02691	n/a	10/6/2020	0.19	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02691	n/a	10/7/2020	0.3	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02691	n/a	10/7/2020	0.39	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02691	n/a	10/7/2020	0.52	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02691	n/a	10/6/2020	0.16	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02691	n/a	10/7/2020	0.18	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02691	n/a	10/7/2020	0.35	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02691	n/a	10/7/2020	0.2	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	119.9	n/a	10/7/2020	129	Yes	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	119.9	n/a	10/7/2020	144	Yes	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	119.9	n/a	10/6/2020	144	Yes	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.705	n/a	10/7/2020	6.6	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.705	n/a	10/6/2020	6.4	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-17	4.705	n/a	10/7/2020	5.7	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.705	n/a	10/7/2020	5	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.705	n/a	10/6/2020	7	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-18	9.48	6.96	10/7/2020	6.91	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	10/7/2020	6.78	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	10/6/2020	6.78	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-25	9.48	6.96	10/7/2020	6.95	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	7.172	n/a	10/6/2020	11	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	7.172	n/a	10/7/2020	80.7	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	7.172	n/a	10/6/2020	42.4	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	7.172	n/a	10/7/2020	89.1	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	7.172	n/a	10/7/2020	87.3	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	7.172	n/a	10/7/2020	83.3	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	7.172	n/a	10/6/2020	71.2	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	7.172	n/a	10/7/2020	38.1	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	7.172	n/a	10/7/2020	54.6	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	7.172	n/a	10/7/2020	48.9	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	314	n/a	10/7/2020	336	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	314	n/a	10/7/2020	392	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	314	n/a	10/7/2020	425	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	314	n/a	10/7/2020	492	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	314	n/a	10/6/2020	462	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-33	314	n/a	10/7/2020	337	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	314	n/a	10/7/2020	334	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2

Interwell Predicition Limit - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 1:43 PM

		Plant M	itchell Client:	Southern Co	mpany	Data: M	tchell A	Ish Pond	CCR Pr	nted 12/8/20	20, 1:43 PM	
Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	<u>Alpha</u>	Method
Boron (mg/L)	PZ-14	0.02691	n/a	10/6/2020	0.026J	No	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-15	0.02691	n/a	10/7/2020	0.19	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02691	n/a	10/6/2020	0.19	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02691	n/a	10/7/2020	0.3	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02691	n/a	10/7/2020	0.39	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02691	n/a	10/7/2020	0.52	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02691	n/a	10/6/2020	0.16	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02691	n/a	10/7/2020	0.18	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02691	n/a	10/7/2020	0.35	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02691	n/a	10/7/2020	0.2	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	119.9	n/a	10/6/2020	111	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	119.9	n/a	10/7/2020	93.5	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	119.9	n/a	10/6/2020	84	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	119.9	n/a	10/7/2020	112	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	119.9	n/a	10/7/2020	129	Yes		2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	119.9	n/a	10/7/2020	144	Yes		2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	119.9	n/a	10/6/2020	144	Yes		2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-25	119.9	n/a	10/7/2020	84.2	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L) Calcium (mg/L)	PZ-33	119.9	n/a	10/7/2020	94.7	No	47	2.128 2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2 Param Inter 1 of 2
, ,	PZ-7D PZ-14	119.9 4.705	n/a	10/7/2020 10/6/2020	109 4.4	No No	47 48	0	None	sqrt(x)	0.0007523 0.0007523	
Chloride (mg/L)			n/a n/a		6.6	No Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2 Param Inter 1 of 2
Chloride (mg/L)	PZ-15 PZ-16	4.705 4.705	n/a n/a	10/7/2020 10/6/2020	6.4	Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L) Chloride (mg/L)	PZ-10	4.705	n/a	10/7/2020	5.7	Yes		0	None None	sqrt(x) sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.705	n/a	10/7/2020	5	Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-19	4.705	n/a	10/7/2020	4.5	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.705	n/a	10/6/2020	7	Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-25	4.705	n/a	10/7/2020	1.8	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-33	4.705	n/a	10/7/2020	2	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	4.705	n/a	10/7/2020	3.9	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	10/6/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	10/6/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	10/7/2020	0.064J	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	10/6/2020	0.052J	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	10/7/2020	0.13	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
pH (SU)	PZ-14 PZ-15	9.48 9.48	6.96 6.96	10/6/2020 10/7/2020	7.01 7.11	No	48 48	0	n/a n/a	n/a	0.001612 0.001612	NP Inter (normality) 1 of 2 NP Inter (normality) 1 of 2
pH (SU) pH (SU)	PZ-16	9.48	6.96	10/7/2020	7.11	No No	48	0	n/a	n/a n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	10/7/2020	7.04	No	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-18	9.48	6.96	10/7/2020	6.91	Yes		0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	10/7/2020	6.78	Yes		0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	10/6/2020	6.78	Yes		0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-25	9.48	6.96	10/7/2020	6.95	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	10/7/2020	7.04	No	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	10/7/2020	6.98	No	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	7.172	n/a	10/6/2020	11	Yes	48	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	7.172	n/a	10/7/2020	80.7	Yes	48	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	7.172	n/a	10/6/2020	42.4	Yes	48	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	7.172	n/a	10/7/2020	89.1	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	7.172	n/a	10/7/2020	87.3	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	7.172	n/a	10/7/2020	83.3	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	7.172	n/a	10/6/2020	71.2	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	7.172 7.172	n/a n/a	10/7/2020 10/7/2020	38.1 54.6	Yes Yes		0	None	ln(x)	0.0007523 0.0007523	Param Inter 1 of 2 Param Inter 1 of 2
Sulfate (mg/L) Sulfate (mg/L)	PZ-33 PZ-7D	7.172 7.172	n/a n/a	10/7/2020	48.9	Yes		0	None None	ln(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-10 PZ-14	314	n/a	10/6/2020	241	No	48	0	None	In(x) No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-14	314	n/a	10/0/2020	336	Yes		0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	314	n/a	10/6/2020	261	No	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	314	n/a	10/7/2020	392	Yes		0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	314	n/a	10/7/2020	425	Yes		0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	314	n/a	10/7/2020	492	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	314	n/a	10/6/2020	462	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-25	314	n/a	10/7/2020	280	No	48	0	None	No	0.0007523	Param Inter 1 of 2

Trend Test - Significant Results

	Plant Mitchell	Client: Southern Co	mpany [Data: Mitchell As	h Pond	CCR	Printed 12/	8/2020, 1:49 P	M		
Constituent	Well	Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	<u>Xform</u>	<u>Alpha</u>	Method
Boron (mg/L)	PZ-7D	-0.04195	-41	-38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	5.393	40	38	Yes	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.4113	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.958	47	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	5.866	58	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-3.585	-42	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-1.363	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-10.95	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	15.05	44	38	Yes	12	0	n/a	n/a	0.01	NP

Trend Test - All Results

		11011	u i C	οι - <i>Γ</i> λιι	110	Jui	ıs				
	Plant Mitchell	Client: Southern Co	mpany D	ata: Mitchell As	sh Pond	CCR	Printed 12/	8/2020, 1:49 F	PM		
Constituent	Well	Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	Xform	<u>Alpha</u>	Method
Boron (mg/L)	PZ-15	-0.002874	-10	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0.001543	9	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-17	0.004918	15	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18	0.003211	10	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.01512	-10	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0000869	1	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A	0	1	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25	-0.002074	-10	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	0	-3	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	-0.001685	-23	-38	No	12	8.333	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	-0.0005995	-7	-38	No	12	8.333	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-33	-0.006909	-28	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D	-0.04195	-41	-38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	5.393	40	38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-19	1.884	14	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-10 (bg)	1.69	27	34	No	11	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-23A	5.176	29	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	4.25	20	38	No	12	8.333	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg) PZ-31 (bg)	2.303	33	38	No	12	0.333	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg) PZ-32 (bg)	1.918	24	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15	-0.09612	-7	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16	-0.2544	-32	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-10 PZ-17	-0.09058	-32 -7	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-17	-0.1529	-32	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-10 PZ-1D (bg)	-0.1529	-32 -12	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-23A	0	-2	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	0	-6	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.4113	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Chloride (mg/L) Chloride (mg/L)	PZ-31 (bg) PZ-32 (bg)	-0.4113	- 43 -31	-38	No	12	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.01121	-14	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0.009125	10	48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19 PZ-1D (bg)	-0.0333	-22	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.014	12	43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-25A	-0.01978	-17	-38	No	12	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.2188	-8	-21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	-0.001297	-4	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	-0.006728	-8	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.958	47	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-15	2.592	34	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16	-2.14	-32	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-17	-0.8819	-7	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-18	-0.07746	-3	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19	-0.9091	-21	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-1D (bg)	0.1329	22	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	5.866	58	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-3.585	-42	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)	-0.8052	-26	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-1.363	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-32 (bg)	0.03898	11	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-10.95	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D	-1.28	-13	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-15	17.51	34	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-17	-7.105	-14	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-18	-1.308	-3	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19	-11.97	-22	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)	6.855	27	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	15.05	44	38	Yes	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	16.45	20	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	-0.1691	-1	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	2.604	13	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-33	-18.86	-12	-34	No	11	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D	-11.45	-20	-38	No	12	0	n/a	n/a	0.01	NP
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Upper Tolerance Limit

		Plant Mitchell Clie	nt: Southern Co	mpany	Data: Mitchell Ash	Pond	CCR	Printed 12	2/8/2020, 3:30 PM		
Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	Transform	<u>Alpha</u>	Method
Antimony (mg/L)	n/a	0.0035	n/a	n/a	n/a	n/a	48	54.17	n/a	0.08526	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	44	86.36	n/a	0.1047	NP Inter(NDs)
Barium (mg/L)	n/a	0.05872	n/a	n/a	n/a	n/a	48	2.083	ln(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	36	94.44	n/a	0.1578	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	36	100	n/a	0.1578	NP Inter(NDs)
Chromium (mg/L)	n/a	0.011	n/a	n/a	n/a	n/a	48	25	n/a	0.08526	NP Inter(normality)
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	48	95.83	n/a	0.08526	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.783	n/a	n/a	n/a	n/a	46	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.29	n/a	n/a	n/a	n/a	52	42.31	n/a	0.06944	NP Inter(normality)
Lead (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	48	77.08	n/a	0.08526	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	n/a	48	81.25	n/a	0.08526	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	40	90	n/a	0.1285	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	48	79.17	n/a	0.08526	NP Inter(NDs)
Selenium (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	48	100	n/a	0.08526	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	48	87.5	n/a	0.08526	NP Inter(NDs)

PLANT MITC	HELL ASH PO	OND GWPS	
Constituent Name	MCL	Background Limit	GWPS
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	0.059	2
Beryllium, Total (mg/L)	0.004	0.003	0.004
Cadmium, Total (mg/L)	0.005	0.0025	0.005
Chromium, Total (mg/L)	0.1	0.011	0.1
Cobalt, Total (mg/L)	n/a	0.005	0.005
Combined Radium, Total (pCi/L)	5	1.8	5
Fluoride, Total (mg/L)	4	0.29	4
Lead, Total (mg/L)	n/a	0.005	0.005
Lithium, Total (mg/L)	n/a	0.03	0.03
Mercury, Total (mg/L)	0.002	0.0005	0.002
Molybdenum, Total (mg/L)	n/a	0.01	0.01
Selenium, Total (mg/L)	0.05	0.01	0.05
Thallium, Total (mg/L)	0.002	0.001	0.002

^{*}MCL = Maximum Contaminant Level

Confidence Intervals Summary - All Results (No Significant)

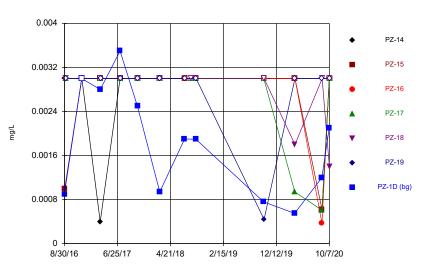
Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 4:07 PM Constituent <u>Well</u> $\underline{\text{Compliance Sig. N}}$ Mean Std. Dev. %NDs ND Adj. Transform Alpha Method Upper Lim. Lower Lim. NP (NDs) PZ-14 0.003 0.0004 12 0.002783 0.0007506 91.67 None Antimony (mg/L) No No 0.01 Antimony (mg/L) 83.33 None PZ-15 0.003 0.001 0.006 No 12 0.002635 0.0008563 No 0.01 NP (NDs) PZ-16 0.003 12 0.002781 0.0007592 NP (NDs) Antimony (ma/L) 0.00037 0.006 No 91.67 None 0.01 No Antimony (mg/L) P7-17 0.003 0.00094 0.006 No 12 0.002629 0.0008689 83.33 None No 0.01 NP (NDs) Antimony (mg/L) PZ-18 0.003 0.0018 0.006 No 12 0.002767 0.0005516 0.01 NP (NDs) 83.33 None No No Antimony (mg/L) PZ-19 0.003 0.00044 12 0.002787 0.000739 0.01 NP (NDs) 0.006 91.67 None No PZ-23A 0.003 0.00038 12 0.002782 0.0007563 NP (NDs) Antimony (mg/L) 0.006 No 91.67 None No 0.01 Antimony (mg/L) PZ-33 0.003 0.00037 0.006 No 12 0.002781 0.0007592 No 0.01 NP (NDs) 0.002335 Antimony (mg/L) PZ-7D 0.003 0.00031 0.006 No 12 0.001203 75 None Nο 0.01 NP (NDs) Barium (mg/L) PZ-14 0.03714 0.01838 2 No 0.02816 0.01364 None sqrt(x) 0.01 PZ-15 0.07246 0.04991 No 12 0.06183 Barium (mg/L) 2 0.0165 0 None In(x) 0.01 Param. PZ-16 2 No 12 0.04591 Barium (mg/L) 0.0689 0.034 0.01408 0 0.01 NP (normality) PZ-17 2 0.07719 0 Barium (mg/L) 0.08083 0.07355 No 12 0.004635 0.01 Param. None No Barium (mg/L) PZ-18 0.0513 0.023 2 No 12 0.03133 0.01488 None No NP (normality) P7-19 Barium (mg/L) 0.06019 0.0528 2 Nο 12 0.05649 0.004707 n None Nο 0.01 Param Barium (mg/L) 0.03699 2 No 0.04593 0.01139 No 0.01 None Barium (mg/L) P7-25 0.11 0.0997 2 Nο 12 0.1034 0.005199 0 None Nο 0.01 NP (normality) Barium (mg/L) PZ-33 0.07679 0.05702 2 No 11 0.06691 0.01186 0 0.01 Param. None No Barium (mg/L) P7-7D 0.01075 0.007288 2 No 12 0.009017 0.002203 0 None No 0.01 Chromium (ma/L) P7-14 0.01 0.0011 0.1 No 12 0.007782 0.004014 75 No 0.01 NP (NDs) None Chromium (mg/L) PZ-16 0.01 8000.0 0.1 Nο 12 0.006209 0.004689 58.33 None Nο 0.01 NP (NDs) Chromium (mg/L) PZ-18 0.01 12 0.009213 NP (NDs) 0.00056 0.1 No 0.002725 91.67 None No 0.01 Chromium (mg/L) PZ-19 0.01 0.00073 0.1 No 12 0.009227 0.002676 0.01 NP (NDs) 91.67 None No 0.01 0.0012 No 0.003933 0.003761 NP (normality) Chromium (mg/L) PZ-23A 0.1 12 25 None No 0.01 Chromium (mg/L) PZ-33 0.01 0.0017 0.1 No 12 0.009308 0.002396 91.67 None 0.01 NP (NDs) Chromium (ma/L) PZ-7D 0.01 0.0005 0.1 No 12 0.004875 0.004575 41.67 None 0.01 NP (normality) Nο Cobalt (mg/L) P7-14 0.005 0.002 0.005 No 12 0.004358 0.001542 0.01 NP (NDs) 83.33 None No 0.003167 Cobalt (mg/L) PZ-15 0.005 0.0004 12 0.002275 NP (NDs) 0.005 No 58.33 None 0.01 No Cobalt (mg/L) PZ-16 0.005 0.0005 12 0.004625 0.001299 NP (NDs) 0.005 No 0.01 PZ-17 0.005 12 0.002802 NP (normality) Cobalt (mg/L) 0.0005 0.005 No 0.002303 50 None No 0.01 Cobalt (mg/L) PZ-18 0.005 0.0011 0.005 No 12 0.004675 0.001126 None NP (NDs) P7-19 0.005 0.0012 Nο 0.004342 0.001539 0.01 NP (NDs) Cobalt (mg/L) 0.005 12 83.33 None Nο Cobalt (mg/L) PZ-23A 0.005 0.00058 0.005 No 0.003529 0.002175 None No 0.01 NP (NDs) Cobalt (mg/L) PZ-25 0.0018 0.0008 12 0.001496 0.001162 0.01 NP (normality) 0.005 No 8.333 None Nο Cobalt (mg/L) PZ-33 0.005 0.00053 0.005 No 12 0.003152 0.002146 50 No 0.01 NP (normality) None Combined Radium 226 + 228 (pCi/L) PZ-14 1.152 0.3085 5 No 12 0.7628 0.6096 0 None sqrt(x) 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-15 1.172 0.6466 5 Nο 12 0.9188 0.3714 None sqrt(x) 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-16 0.9753 0.4541 5 Nο 12 0.7147 0.3321 0 None No 0.01 Param. Combined Radium 226 + 228 (pCi/L) 1.35 5 No 0 PZ-17 0.6643 11 1.007 0.4112 0.01 Param. None No Combined Radium 226 + 228 (pCi/L) PZ-18 1.432 0.4765 5 No 10 0.9541 0.5353 0 None 0.01 Param. No Combined Radium 226 + 228 (pCi/L) PZ-19 1.473 0.7657 5 No 12 1.119 0.4508 0 0.01 Param. None No Combined Radium 226 + 228 (pCi/L) P7-23A 1.326 0.766 5 No 12 1.046 0.3565 0 None No 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-25 1.287 0.841 5 No 12 1.064 0.2843 0 0.01 Param. No None Combined Radium 226 + 228 (pCi/L) PZ-33 1.106 0.5856 5 No 12 0.846 0.3319 0 0.01 Param. None No Combined Radium 226 + 228 (pCi/L) 12 0 PZ-7D 0.6563 0.1595 5 No 0.4285 0.3741 0.01 Param. None sart(x) PZ-14 0.11 0.05 4 No 13 0.08892 0.02636 NP (NDs) Fluoride (mg/L) None No 0.01 Fluoride (mg/L) PZ-15 0.1387 0.07074 4 No 13 0.1118 0.05007 0.01 Param. 23.08 Kaplan-Meier sqrt(x) Fluoride (mg/L) PZ-16 0.1 0.05 No 13 0.08177 0.02548 53.85 Kaplan-Meier NP (NDs) 4 0.01 Fluoride (ma/L) PZ-17 0.1562 0.05733 4 Nο 13 0.1289 0.06857 30.77 Kaplan-Meier 0.01 Param. Nο 0.05633 13 Fluoride (mg/L) PZ-18 0.1194 4 No 0.103 0.03767 Kaplan-Meier 0.01 0.1462 0.06916 4 Nο 13 0.1216 0.08232 Fluoride (mg/L) PZ-19 15.38 Kaplan-Meier In(x) 0.01 Param. Fluoride (mg/L) PZ-23A 0.101 0.04841 No 13 0.1009 0.06622 Kaplan-Meier ln(x) 0.01 Param. Fluoride (mg/L) PZ-25 0.2679 0.1614 4 Nο 13 0.2146 0.0716 0 None Nο 0.01 Param. PZ-33 No Fluoride (mg/L) 0.18 0.06 4 13 0.1076 0.04758 None NP (NDs) P7-7D 0.15 0.041 4 Nο 0.08815 0.03377 61.54 None 0.01 NP (NDs) Fluoride (ma/L) 13

Confidence Intervals Summary - All Results (No Significant)

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 4:07 PM Constituent <u>Well</u> $\underline{\text{Compliance Sig. N}}$ Mean Std. Dev. %NDs ND Adj. Transform Alpha Method Upper Lim. Lower Lim. PZ-15 0.005 0.00005 0.005 No 12 0.004587 0.001429 91.67 None 0.01 NP (NDs) Lead (mg/L) No 0.000081 Lead (mg/L) PZ-16 0.005 0.005 No 12 0.00459 0.00142 91.67 None No 0.01 NP (NDs) PZ-18 0.005 0.00043 12 0.004206 0.001856 NP (NDs) Lead (mg/L) 0.005 No 83.33 None 0.01 No 91.67 None Lead (mg/L) PZ-19 0.005 0.000042 0.005 No 12 0.004587 0.001431 No 0.01 NP (NDs) Lead (mg/L) PZ-23A 0.005 0.00015 0.005 No 12 0.004183 0.001908 0.01 NP (NDs) 83.33 None No 83.33 None Lead (mg/L) PZ-33 0.005 0.00009 0.005 12 0.004178 0.00192 0.01 NP (NDs) No No Lithium (mg/L) PZ-14 0.03 0.003 12 0.02775 0.007794 NP (NDs) 0.03 No 91.67 None No 0.01 Lithium (mg/L) PZ-15 0.03 0.0012 0.03 No 12 0.01324 0.01479 41.67 None No 0.01 NP (normality) 0.03 Lithium (mg/L) PZ-17 0.002 0.03 No 12 0.00705 0.01073 16.67 None Nο 0.01 NP (normality) Lithium (mg/L) PZ-18 0.03 0.0024 0.03 No 0.007217 0.01064 None NP (normality) PZ-19 0.01467 12 0.01208 0 Param. Lithium (mg/L) 0.009498 0.03 No 0.003295 None Nο 0.01 PZ-23A 0.03 0.0011 12 0.02276 0.01309 NP (NDs) Lithium (mg/L) 0.03 No 75 0.01 Lithium (mg/L) 0.005958 PZ-25 0.006773 0.005229 No 12 0.001097 0 x^2 0.01 Param. 0.03 None Lithium (mg/L) PZ-7D 0.0038 0.0022 0.03 12 0.005083 0.007865 No NP (normality) P7-14 Mercury (mg/L) 0.0005 0.00015 0.002 No 10 0.000422 0.0001655 80 None Nο 0.011 NP (NDs) Mercury (mg/L) PZ-15 0.0005 0.0005 0.002 No 0.0004597 0.0001274 No 0.011 NP (NDs) None 0.011 NP (NDs) Mercury (mg/L) P7-16 0.0005 0.0005 0.002 No 10 0.0004568 0.0001366 90 None Nο No 10 Mercury (mg/L) PZ-17 0.0005 0.0005 0.002 0.0004586 0.0001309 0.011 NP (NDs) 90 None No Mercury (mg/L) PZ-18 0.0005 0.0005 0.002 No 10 0.0004557 0.0001401 90 None No 0.011 NP (NDs) Mercury (ma/L) PZ-19 0.0005 0.0001 0.002 No 10 0.0004145 0.0001807 80 No 0.011 NP (NDs) None Mercury (mg/L) PZ-23A 0.0005 0.00017 0.002 No 10 0.000426 0.0001571 80 None Nο 0.011 NP (NDs) 0.0005 0.0005 10 0.011 NP (NDs) Mercury (mg/L) PZ-25 0.002 No 0.0004553 0.0001414 90 No None Mercury (mg/L) PZ-33 0.0005 0.000043 0.002 No 10 0.0003694 0.0002111 No 0.011 NP (NDs) 70 None Mercury (mg/L) 0.0005 0.00006 0.0004113 0.000187 0.011 NP (NDs) PZ-7D 0.002 No 10 80 None No Molybdenum (mg/L) PZ-14 0.01 0.0005 0.01 No 0.009208 0.002742 91.67 None No 0.01 NP (NDs) Molybdenum (mg/L) PZ-15 0.01 0.0004 0.01 No 12 0.0092 0.002771 91.67 None 0.01 NP (NDs) Nο Molybdenum (mg/L) PZ-16 0.01 0.0004 0.01 No 12 0.0092 0.002771 91.67 None 0.01 NP (NDs) No 0.002771 PZ-17 0.01 0.0004 12 0.0092 NP (NDs) Molybdenum (mg/L) 0.01 No 91.67 None 0.01 No Molybdenum (mg/L) PZ-19 0.0027 0.002 12 0.002883 0.002252 NP (normality) 0.01 8.333 None 0.01 PZ-23A 0.01 0.0011 12 0.008475 0.003563 NP (NDs) Molybdenum (mg/L) 0.01 No 83.33 None No 0.01 Molybdenum (mg/L) PZ-25 0.01 0.001 0.01 No 12 0.00925 0.002598 91.67 None NP (NDs) P7-14 0.01 0.0015 Nο 0.008558 0.003368 0.01 NP (NDs) Selenium (mg/L) 0.05 12 83.33 None Nο Selenium (mg/L) PZ-15 0.01 0.0018 0.05 No 0.009317 0.002367 91.67 None No NP (NDs) PZ-19 0.01 0.0016 No 12 0.006925 0.003847 0.01 NP (NDs) Selenium (mg/L) 0.05 58.33 None Nο Selenium (mg/L) PZ-23A 0.01 0.0018 0.05 No 12 0.006792 0.003986 58.33 None No 0.01 NP (NDs) Selenium (mg/L) PZ-7D 0.01 0.0018 0.05 No 12 0.008625 0.003211 83.33 None Nο 0.01 NP (NDs) Thallium (mg/L) PZ-14 0.001 0.00006 0.002 No 12 0.0009217 0.0002714 91.67 None No 0.01 NP (NDs) Thallium (mg/L) PZ-15 0.001 0.00016 0.002 No 12 0.0007325 0.0003963 66.67 None No 0.01 NP (NDs) 0.001 0.00017 NP (normality) Thallium (mg/L) PZ-16 0.002 No 12 0.0005836 0.0004366 No 0.01 50 None Thallium (mg/L) PZ-17 0.001 0.0002 0.002 No 0.0007358 0.0003907 66.67 None No 0.01 NP (NDs) Thallium (mg/L) PZ-18 0.001 0.00005 0.002 No 0.0007634 0.000428 0.01 NP (NDs) 75 None No Thallium (mg/L) PZ-19 0.0007625 0.0004325 0.002 No 12 0.0005975 0.0002103 8.333 None No 0.01 Thallium (mg/L) PZ-23A 0.001 0.00015 0.002 No 12 0.0004625 0.0004001 0.01 NP (normality) 33.33 None No Thallium (mg/L) PZ-25 0.001 0.00027 0.002 No 12 0.0007708 0.0003403 66.67 None No 0.01 NP (NDs) PZ-33 NP (NDs) Thallium (mg/L) 0.001 0.0001 0.002 No 12 0.0006358 0.0004506 0.01 58.33 None No Thallium (mg/L) PZ-7D 0.001 0.000085 0.002 12 0.0006303 0.0004579 58.33 None 0.01 NP (NDs)

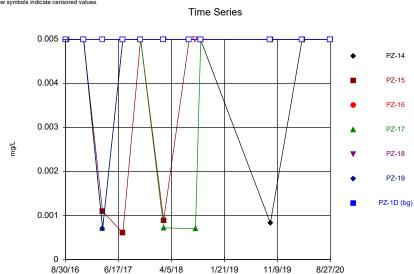
FIGURE A.





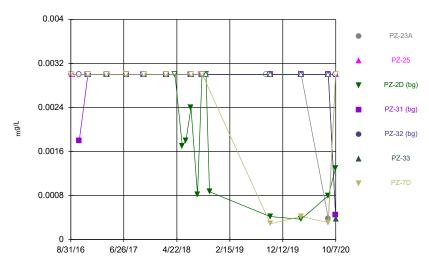
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values

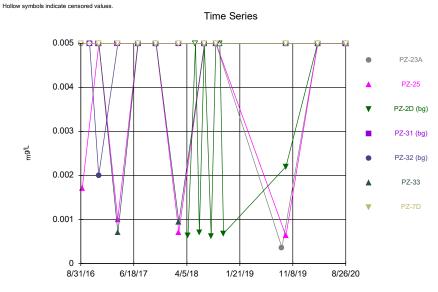


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



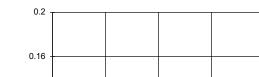
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

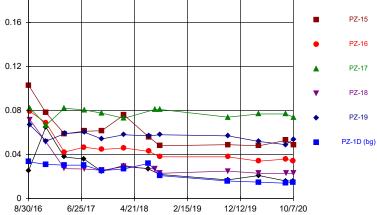


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

mg/L

PZ-14

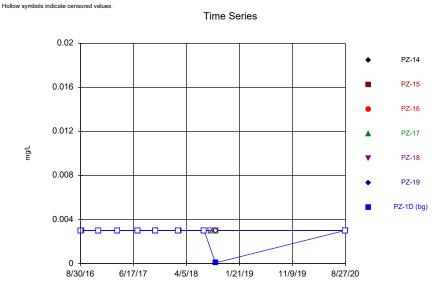




Time Series

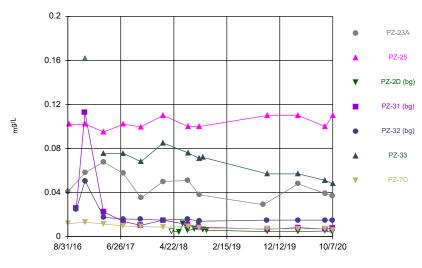
Constituent: Barium Analysis Run 12/8/2020 1:34 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG



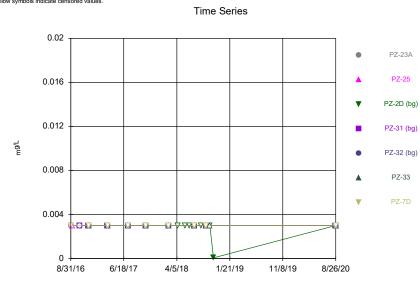
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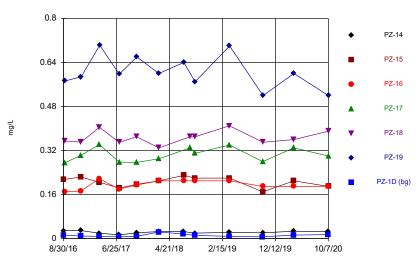
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Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values.



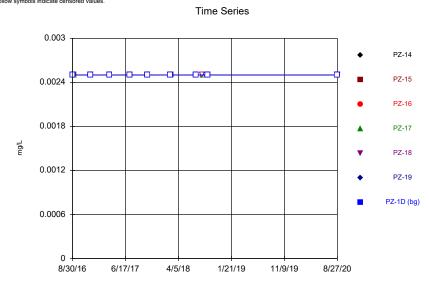
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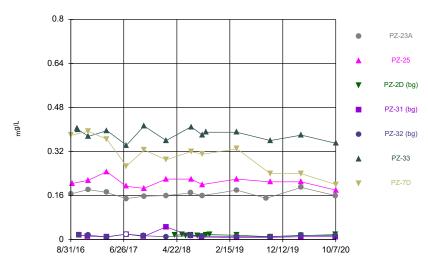
Constituent: Boron Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values



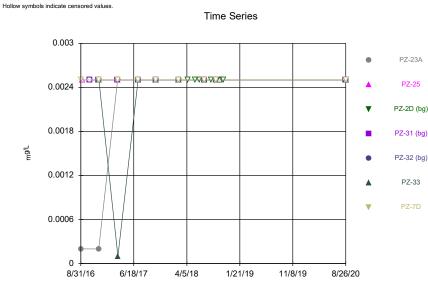
Constituent: Cadmium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



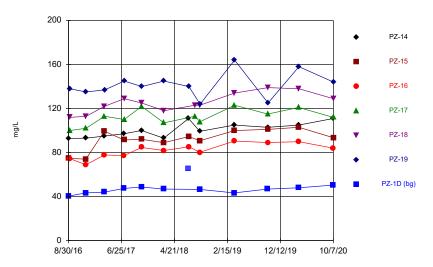
Constituent: Boron Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

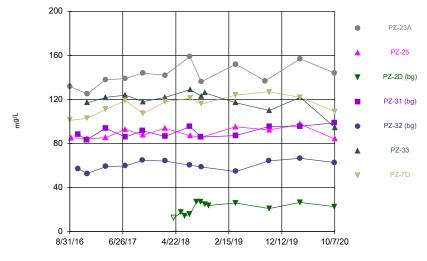


Constituent: Cadmium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





Constituent: Calcium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

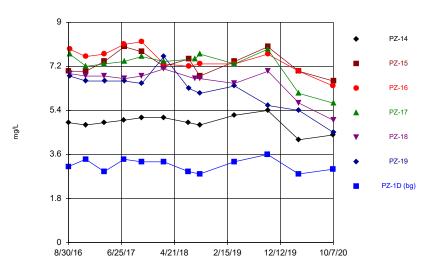


Time Series

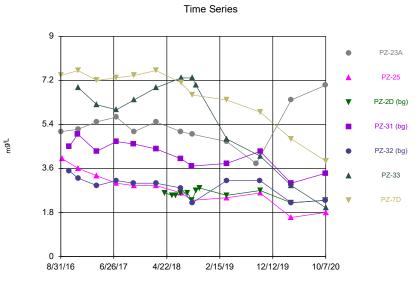
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG





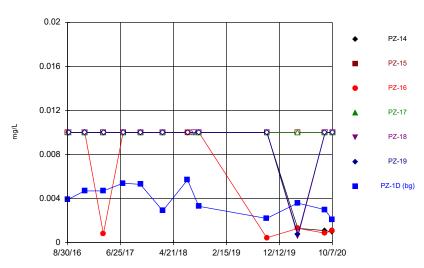
Constituent: Chloride Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Chloride Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

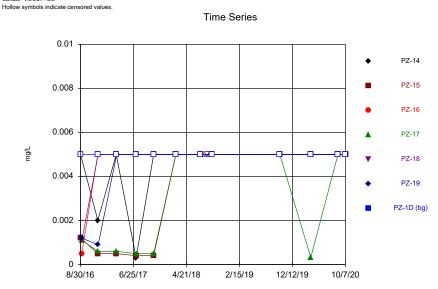
Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values





Constituent: Chromium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

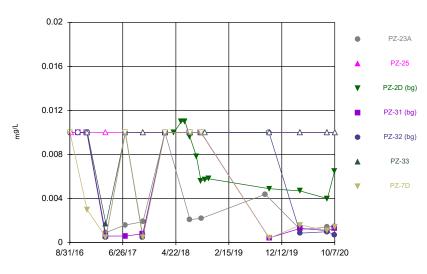
Sanitas™ v.9.6.27 . UG



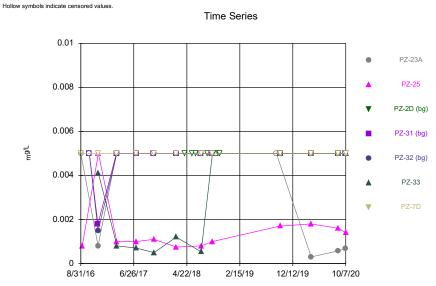
Constituent: Cobalt Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series

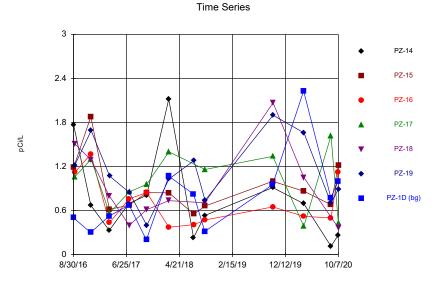


Constituent: Chromium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

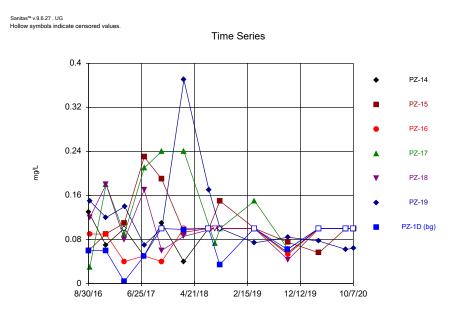


Constituent: Cobalt Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV

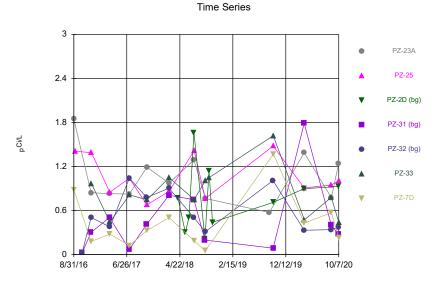
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



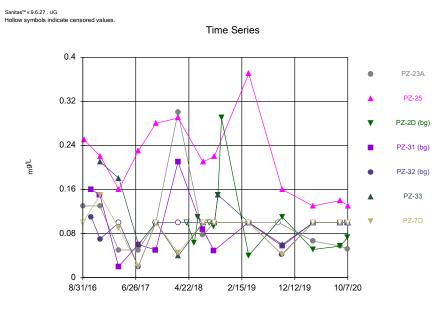
Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Fluoride Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

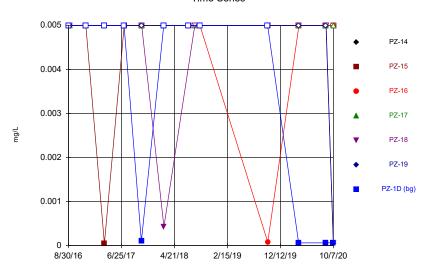


Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



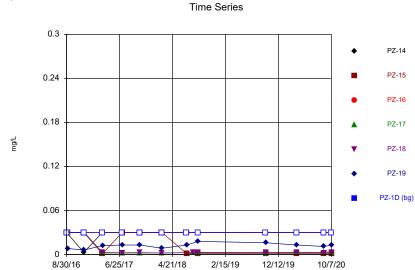
Constituent: Fluoride Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





Constituent: Lead Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

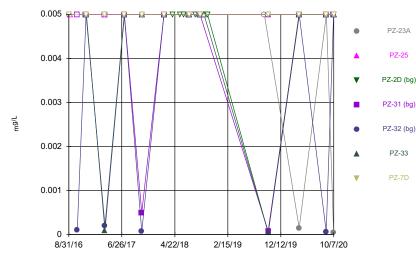
Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values.



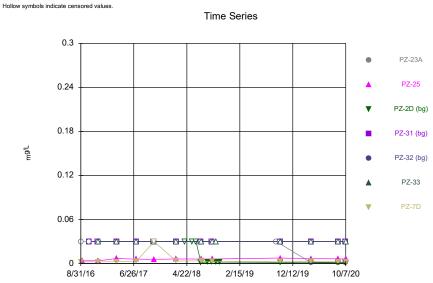
Constituent: Lithium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

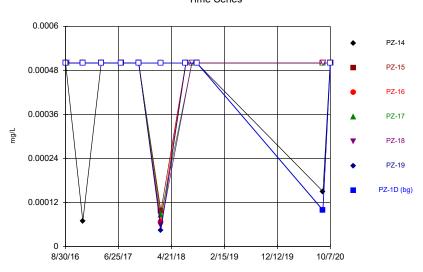
Time Series



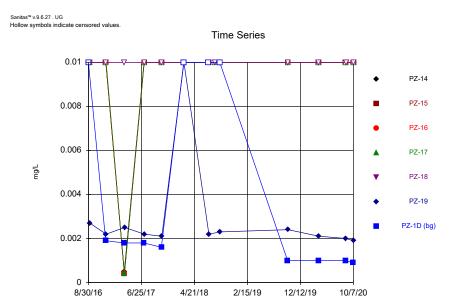
Constituent: Lead Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



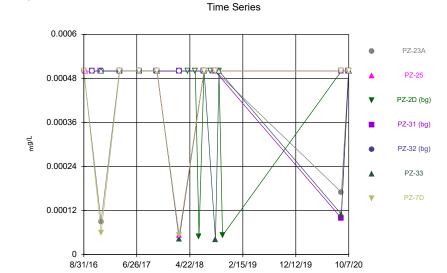
Constituent: Lithium Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



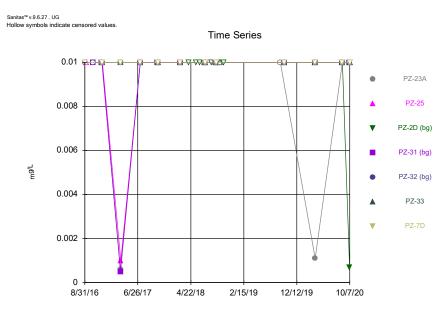
Constituent: Mercury Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



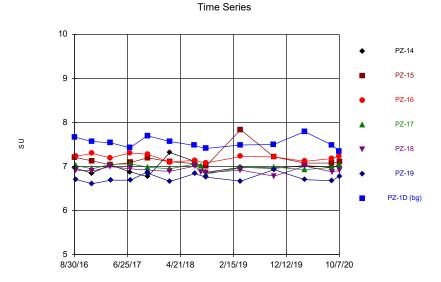
Constituent: Molybdenum Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



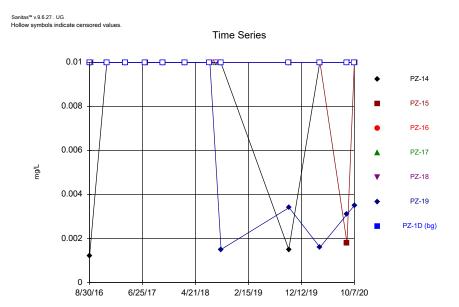
Constituent: Mercury Analysis Run 12/8/2020 1:35 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



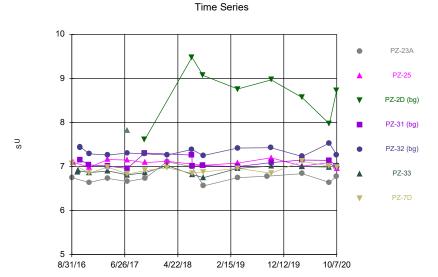
Constituent: Molybdenum Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



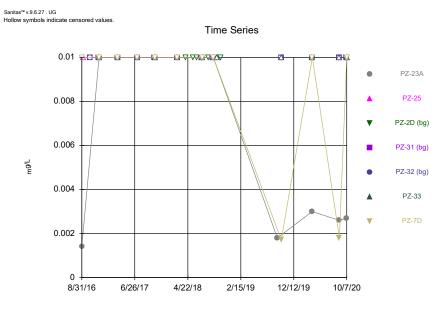
Constituent: pH Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Selenium Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

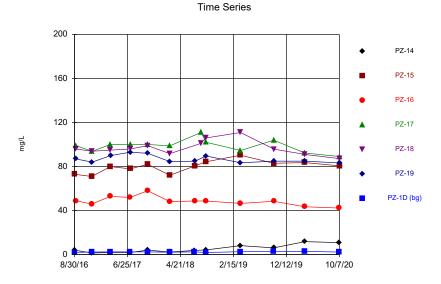


Constituent: pH Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

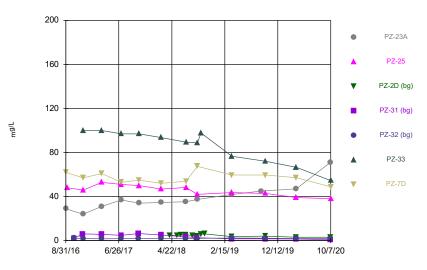


Constituent: Selenium Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG Sanitas™ v.9.6.27 . UG



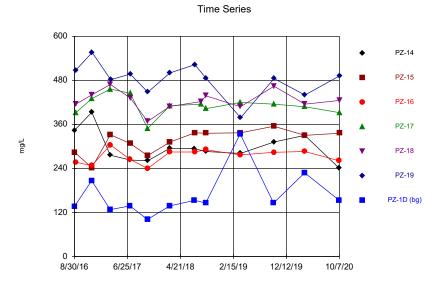
Constituent: Sulfate Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



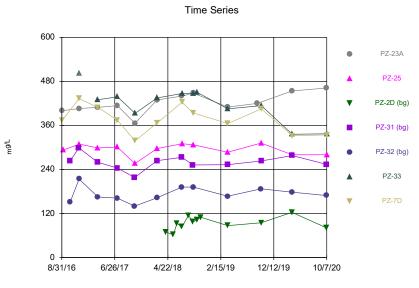
Time Series

Constituent: Sulfate Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG



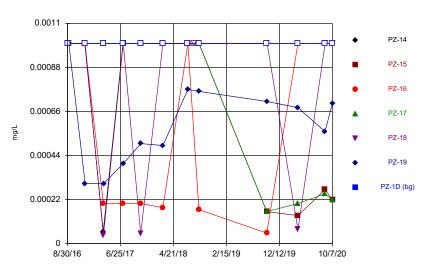
Constituent: TDS Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: TDS Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored value

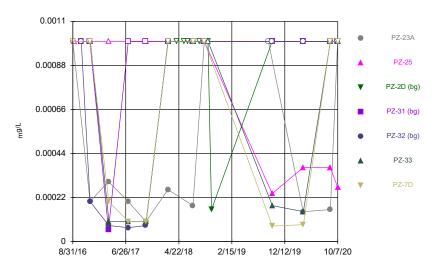
Time Series



Constituent: Thallium Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values

Time Series



Constituent: Thallium Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Constituent: Antimony (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV 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)
8/30/2016							0.0009 (J)
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	
12/6/2016							<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)						0.0028 (J)
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
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		
10/19/2017						<0.003	
2/20/2018	<0.003						0.00094 (J)
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003	
7/11/2018	<0.003						0.0019 (J)
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		
9/14/2018				<0.003		<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)			
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	
8/27/2020					<0.003		
10/6/2020	<0.003		<0.003				0.0021 (J)
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003	

Constituent: Antimony (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.003						
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		<0.003
12/8/2016		<0.003				<0.003	
3/21/2017	<0.003			<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	<0.003		
7/12/2017						<0.003	<0.003
10/17/2017				<0.003	<0.003		
10/18/2017	<0.003	<0.003					
10/19/2017						<0.003	<0.003
2/20/2018	<0.003			<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	<0.003		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		<0.003
9/14/2018						<0.003	
10/4/2018			<0.003			<0.003	
10/24/2018			0.00087 (J)				
9/10/2019	<0.003						
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	<0.003		
3/26/2020						<0.003	0.00042 (J)
8/25/2020				<0.003	<0.003		
8/26/2020	0.00038 (J)	<0.003	0.0008 (J)			<0.003	0.00031 (J)
10/6/2020	<0.003		0.0013 (J)	0.00045 (J)	<0.003		
10/7/2020		<0.003				0.00037 (J)	<0.003

Constituent: Arsenic (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV 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)
8/30/2016							<0.005
8/31/2016	<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				
12/8/2016				<0.005	<0.005	<0.005	
3/21/2017	<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
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		
10/19/2017						<0.005	
2/20/2018	<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
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		
9/14/2018				<0.005		<0.005	
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			
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	
8/27/2020					<0.005		

Constituent: Arsenic (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

					,		
	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.005						
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	<0.005				0.002 (J)		<0.005
12/8/2016		<0.005				<0.005	
3/21/2017	<0.005			<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	<0.005		
7/12/2017						<0.005	<0.005
10/17/2017				<0.005	<0.005		
10/18/2017	<0.005	<0.005					
10/19/2017						<0.005	<0.005
2/20/2018	<0.005			<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	<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		<0.005
9/14/2018						<0.005	
10/4/2018			<0.005			<0.005	
10/24/2018			0.00068 (J)				
9/10/2019	0.00036 (X)						
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	<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	<0.005

Constituent: Barium (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV 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)
8/30/2016							0.0335
8/31/2016	0.0253						
9/1/2016		0.103					
9/6/2016			0.0794				
9/7/2016				0.0823	0.0717	0.067	
12/6/2016							0.0311
12/7/2016	0.065	0.0781	0.0689				
12/8/2016				0.0668	0.0513	0.0522	
3/21/2017	0.0379						0.0305
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
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		
10/19/2017						0.0542	
2/20/2018	0.03						0.027
2/21/2018		0.076	0.046	0.073	0.029	0.058	
7/11/2018	0.027						0.032
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		
9/14/2018				0.081		0.058	
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			
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	
8/27/2020					0.023		
10/6/2020	0.016		0.034				0.015
10/7/2020		0.049		0.074	0.023	0.054	

Constituent: Barium (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.0407						
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	0.0581				0.0506		0.0133
12/8/2016		0.102				0.162 (o)	
3/21/2017	0.0678			0.0226			
3/22/2017		0.0951					0.0114
3/23/2017					0.0175	0.0753	
7/11/2017	0.0574	0.102		0.0139	0.0161		
7/12/2017						0.0756	0.0097 (J)
10/17/2017				0.0103	0.0158		
10/18/2017	0.0351	0.0997					
10/19/2017						0.0681	0.0091 (J)
2/20/2018	0.05			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	0.051		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	0.038	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)				
9/10/2019	0.029						
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	0.048	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	0.039	0.1	0.0051 (J)			0.051	0.007 (J)
10/6/2020	0.037		0.0039 (J)	0.0075 (J)	0.015		
10/7/2020		0.11				0.048	0.0061 (J)

Constituent: Beryllium (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV 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)
8/30/2016							<0.003
8/31/2016	<0.003						
9/1/2016		<0.003					
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				
12/8/2016				<0.003	<0.003	<0.003	
3/21/2017	<0.003						<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				<0.003
7/12/2017		<0.003		<0.003	<0.003	<0.003	
10/17/2017							<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						<0.003
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003	
7/11/2018	<0.003						<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						6.1E-05 (J)
9/13/2018		<0.003	<0.003		<0.003		
9/14/2018				<0.003		<0.003	
8/25/2020							<0.003
8/26/2020	<0.003	<0.003	<0.003	<0.003		<0.003	
8/27/2020					<0.003		

Constituent: Beryllium (mg/L) Analysis Run 12/8/2020 1:36 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.003						
9/1/2016							<0.003
9/8/2016		<0.003					
10/18/2016				<0.003	<0.003		
12/6/2016				<0.003			
12/7/2016	<0.003				<0.003		<0.003
12/8/2016		<0.003				<0.003	
3/21/2017	<0.003			<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	<0.003		
7/12/2017						<0.003	<0.003
10/17/2017				<0.003	<0.003		
10/18/2017	<0.003	<0.003					
10/19/2017						<0.003	<0.003
2/20/2018	<0.003			<0.003	<0.003		
2/21/2018		<0.003				<0.003	<0.003
4/12/2018			<0.003				
5/23/2018			<0.003				
6/13/2018			<0.003				
7/11/2018	<0.003		<0.003	<0.003	<0.003		
7/12/2018		<0.003				<0.003	<0.003
8/17/2018			<0.003				
9/12/2018			<0.003	<0.003			
9/13/2018	<0.003	<0.003			<0.003		<0.003
9/14/2018						<0.003	
10/4/2018			<0.003			<0.003	
10/24/2018			6E-05 (J)				
8/25/2020				<0.003	<0.003		
8/26/2020	<0.003	<0.003	<0.003			<0.003	<0.003

Constituent: Boron (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
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)
8/30/2016							0.0132 (J)
8/31/2016	0.0285 (J)						
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				
12/8/2016				0.303	0.351	0.588	
3/21/2017	0.0198 (J)						0.0082 (J)
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)
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		
10/19/2017						0.66	
2/20/2018	0.026 (J)						0.024 (J)
2/21/2018		0.21	0.21	0.29	0.33	0.6	
7/11/2018	0.026 (J)						0.017 (J)
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		
9/14/2018				0.31		0.57	
3/26/2019							0.0082
3/27/2019	0.023		0.21		0.41		
3/28/2019		0.22		0.34		0.7	
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			
3/26/2020		0.21	0.19		0.36	0.6	
10/6/2020	0.026 (J)		0.19				0.015 (J)
10/7/2020		0.19		0.3	0.39	0.52	

Constituent: Boron (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.166						
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	0.182				0.0157 (J)		0.394
12/8/2016		0.216				0.375	
3/21/2017	0.172			0.0103 (J)			
3/22/2017		0.247					0.365
3/23/2017					0.0103 (J)	0.396	
7/11/2017	0.149	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	0.158	0.186					
10/19/2017						0.413	0.326
2/20/2018	0.16			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	0.17		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	0.16	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	0.18	0.22	0.016		0.012		
3/28/2019						0.39	0.33
9/10/2019	0.15						
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	0.19	0.21		0.011 (J)	0.016 (J)		
3/26/2020						0.38	0.24
10/6/2020	0.16		0.018 (J)	0.011 (J)	0.015 (J)		
10/7/2020		0.18				0.35	0.2

Constituent: Cadmium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							<0.0025
8/31/2016	<0.0025						
9/1/2016		<0.0025					
9/6/2016			<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	
12/6/2016							<0.0025
12/7/2016	<0.0025	<0.0025	<0.0025				
12/8/2016				<0.0025	<0.0025	<0.0025	
3/21/2017	<0.0025						<0.0025
3/22/2017		<0.0025	<0.0025	<0.0025	<0.0025		
3/23/2017						<0.0025	
7/11/2017	<0.0025		<0.0025				<0.0025
7/12/2017		<0.0025		<0.0025	<0.0025	<0.0025	
10/17/2017							<0.0025
10/18/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/19/2017						<0.0025	
2/20/2018	<0.0025						<0.0025
2/21/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/11/2018	<0.0025						<0.0025
7/12/2018		<0.0025	<0.0025			<0.0025	
8/15/2018					<0.0025		
8/16/2018				<0.0025			
9/12/2018	<0.0025						<0.0025
9/13/2018		<0.0025	<0.0025		<0.0025		
9/14/2018				<0.0025		<0.0025	
8/25/2020							<0.0025
8/26/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
8/27/2020					<0.0025		

Constituent: Cadmium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.0002 (J)						
9/1/2016							<0.0025
9/8/2016		<0.0025					
10/18/2016				<0.0025	<0.0025		
12/6/2016				<0.0025			
12/7/2016	0.0002 (J)				<0.0025		<0.0025
12/8/2016		<0.0025				<0.0025	
3/21/2017	<0.0025			<0.0025			
3/22/2017		<0.0025					<0.0025
3/23/2017					<0.0025	0.0001 (J)	
7/11/2017	<0.0025	<0.0025		<0.0025	<0.0025		
7/12/2017						<0.0025	<0.0025
10/17/2017				<0.0025	<0.0025		
10/18/2017	<0.0025	<0.0025					
10/19/2017						<0.0025	<0.0025
2/20/2018	<0.0025			<0.0025	<0.0025		
2/21/2018		<0.0025				<0.0025	<0.0025
4/12/2018			<0.0025				
5/23/2018			<0.0025				
6/13/2018			<0.0025				
7/11/2018	<0.0025		<0.0025	<0.0025	<0.0025		
7/12/2018		<0.0025				<0.0025	<0.0025
8/17/2018			<0.0025				
9/12/2018			<0.0025	<0.0025			
9/13/2018	<0.0025	<0.0025			<0.0025		<0.0025
9/14/2018						<0.0025	
10/4/2018			<0.0025			<0.0025	
10/24/2018			<0.0025				
8/25/2020				<0.0025	<0.0025		
8/26/2020	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025

Constituent: Calcium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							40.4
8/31/2016	92.9						
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				
12/8/2016				102	113	135	
3/21/2017	95						44.1
3/22/2017		99.3	77.8	113	122		
3/23/2017						137	
7/11/2017	97.1		77.3				47.4
7/12/2017		91.4		110	129	145	
10/17/2017							48.7
10/18/2017	100	92	84.7	122	125		
10/19/2017						140	
2/20/2018	93.1						46.8
2/21/2018		89	81.8	107	118	145	
7/11/2018	111						65.3 (o)
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		
9/14/2018				108		124	
3/26/2019							43.3
3/27/2019	105		90.5		134		
3/28/2019		100		123		164	
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			
3/26/2020		103	89.8		138	158	
10/6/2020	111		84				50.5
10/7/2020		93.5		112	129	144	

Constituent: Calcium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

					,			
	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	
8/31/2016	132							
9/1/2016							101	
9/8/2016		85.2						
10/18/2016				88.3	57.2			
12/6/2016				83.4				
12/7/2016	125				52.8		103	
12/8/2016		84.5				117		
3/21/2017	138			94				
3/22/2017		85.3					111	
3/23/2017					59.1	122		
7/11/2017	139	93		86	59.7			
7/12/2017						124	119	
10/17/2017				91.6	64.9			
10/18/2017	144	87.6						
10/19/2017						118	107	
2/20/2018	142			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	159		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	136	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	152	95.2	26.1		54.6			
3/28/2019						117	124	
9/10/2019	137							
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	157	97.5		95.8	66.6			
3/26/2020						122	122	
10/6/2020	144		22.7	98.8	62.8			
10/7/2020		84.2				94.7	109	

Constituent: Chloride (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							3.1
8/31/2016	4.9						
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				
12/8/2016				7.2	6.8	6.6	
3/21/2017	4.9						2.9
3/22/2017		7.4	7.7	7.3	6.8		
3/23/2017						6.6	
7/11/2017	5		8.1				3.4
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		
10/19/2017						6.5	
2/20/2018	5.1						3.3
2/21/2018		7.2	7.3	7.4	7.1	7.6	
7/11/2018	4.9						2.9
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		
9/14/2018				7.7		6.1	
3/26/2019							3.3
3/27/2019	5.2		7.3		6.5		
3/28/2019		7.4		7.3		6.4	
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			
3/26/2020		7	7		5.7	5.4	
10/6/2020	4.4		6.4				3
10/7/2020		6.6		5.7	5	4.5	

Constituent: Chloride (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	5.1						
9/1/2016							7.4
9/8/2016		4					
10/18/2016				4.5	3.5		
12/6/2016				5			
12/7/2016	5.2				3.2		7.6
12/8/2016		3.6				6.9	
3/21/2017	5.5			4.3			
3/22/2017		3.3					7.2
3/23/2017					2.9	6.2	
7/11/2017	5.7	3		4.7	3.1		
7/12/2017						6	7.3
10/17/2017				4.6	3		
10/18/2017	5.1	2.9					
10/19/2017						6.4	7.4
2/20/2018	5.5			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	5.1		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	5	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	4.7	2.4	2.5		3.1		
3/28/2019						4.8	6.4
9/10/2019	3.8						
10/1/2019					3.1		
10/2/2019		2.6	2.7	4.3			50
10/3/2019			2.2			4.1	5.9
3/24/2020	6.4	1.0	2.2	2	2.2		
3/25/2020	6.4	1.6		3	2.2	2.0	4.9
3/26/2020	7		2.2	2.4	2.2	2.9	4.8
10/6/2020	7	1.0	2.3	3.4	2.3	2	2.0
10/7/2020		1.8				2	3.9

Constituent: Chromium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)
8/30/2016							0.0039 (J)
8/31/2016	<0.01						
9/1/2016		<0.01					
9/6/2016			<0.01				
9/7/2016				<0.01	<0.01	<0.01	
12/6/2016							0.0047 (J)
12/7/2016	<0.01	<0.01	<0.01				
12/8/2016				<0.01	<0.01	<0.01	
3/21/2017	<0.01						0.0047 (J)
3/22/2017		<0.01	0.0008 (J)	<0.01	<0.01		
3/23/2017						<0.01	
7/11/2017	<0.01		<0.01				0.0054 (J)
7/12/2017		<0.01		<0.01	<0.01	<0.01	
10/17/2017							0.0053 (J)
10/18/2017	<0.01	<0.01	<0.01	<0.01	<0.01		
10/19/2017						<0.01	
2/20/2018	<0.01						0.0029 (J)
2/21/2018		<0.01	<0.01	<0.01	<0.01	<0.01	
7/11/2018	<0.01						0.0057 (J)
7/12/2018		<0.01	<0.01			<0.01	
8/15/2018					<0.01		
8/16/2018				<0.01			
9/12/2018	<0.01						0.0033 (J)
9/13/2018		<0.01	<0.01		<0.01		
9/14/2018				<0.01		<0.01	
10/1/2019							0.0022 (X)
10/2/2019	<0.01	<0.01	0.00044 (X)	<0.01			
10/3/2019					<0.01	<0.01	
3/24/2020							0.0036 (J)
3/25/2020	0.0013 (J)			<0.01			
3/26/2020		<0.01	0.0013 (J)		0.00056 (J)	0.00073 (J)	
8/25/2020							0.003 (J)
8/26/2020	0.0011 (J)	<0.01	0.00087 (J)	<0.01		<0.01	
8/27/2020					<0.01		
10/6/2020	0.00098 (J)		0.0011 (J)				0.0021 (J)
10/7/2020		<0.01		<0.01	<0.01	<0.01	

Constituent: Chromium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

					,			
	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	
8/31/2016	<0.01							
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		0.003 (J)	
12/8/2016		<0.01				<0.01		
3/21/2017	0.0009 (J)			0.0006 (J)				
3/22/2017		<0.01					0.0005 (J)	
3/23/2017					0.0005 (J)	0.0017 (J)		
7/11/2017	0.0016 (J)	<0.01		0.0006 (J)	<0.01			
7/12/2017						<0.01	<0.01	
10/17/2017				0.0008 (J)	0.0005 (J)			
10/18/2017	0.0019 (J)	<0.01						
10/19/2017						<0.01	0.0005 (J)	
2/20/2018	<0.01			<0.01	<0.01			
2/21/2018		<0.01				<0.01	<0.01	
4/12/2018			0.01					
5/23/2018			0.011					
6/13/2018			0.011					
7/11/2018	0.0021 (J)		0.0096 (J)	<0.01	<0.01			
7/12/2018		<0.01				<0.01	<0.01	
8/17/2018			0.0078 (J)					
9/12/2018			0.0056 (J)	<0.01				
9/13/2018	0.0022 (J)	<0.01			<0.01		<0.01	
9/14/2018						<0.01		
10/4/2018			0.0057 (J)			<0.01		
10/24/2018			0.0058 (J)					
9/10/2019	0.0044 (X)							
10/1/2019					<0.01			
10/2/2019		<0.01	0.0049 (X)	0.00043 (X)				
10/3/2019						<0.01	0.0004 (X)	
3/24/2020			0.0047 (J)					
3/25/2020	0.0012 (J)	<0.01		0.0013 (J)	0.00086 (J)			
3/26/2020						<0.01	0.0016 (J)	
8/25/2020				0.0011 (J)	0.001 (J)			
8/26/2020	0.0014 (J)	<0.01	0.004 (J)			<0.01	0.0011 (J)	
10/6/2020	0.0015 (J)		0.0065 (J)	0.0013 (J)	0.00072 (J)			
10/7/2020		<0.01				<0.01	0.0014 (J)	

Constituent: Cobalt (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							<0.005
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)	
12/6/2016							<0.005
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						<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
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		
10/19/2017						<0.005	
2/20/2018	<0.005						<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005	
7/11/2018	<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		
9/14/2018				<0.005		<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)			
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	
8/27/2020					<0.005		
10/6/2020	<0.005		<0.005				<0.005
10/7/2020		<0.005		<0.005	<0.005	<0.005	

Constituent: Cobalt (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.005						
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	0.0008 (J)				0.0015 (J)		<0.005
12/8/2016		<0.005				0.0041 (J)	
3/21/2017	<0.005			<0.005			
3/22/2017		0.001 (J)					<0.005
3/23/2017					<0.005	0.0008 (J)	
7/11/2017	<0.005	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	<0.005	0.0011 (J)					
10/19/2017						0.0005 (J)	<0.005
2/20/2018	<0.005			<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	<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	<0.005	0.001 (J)			<0.005		<0.005
9/14/2018						<0.005	
10/4/2018			<0.005			<0.005	
10/24/2018			<0.005				
9/10/2019	<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	0.0003 (J)	0.0018 (J)		<0.005	<0.005		
3/26/2020						<0.005	<0.005
8/25/2020				<0.005	<0.005		
8/26/2020	0.00058 (J)	0.0016 (J)	<0.005			<0.005	<0.005
10/6/2020	0.00067 (J)		<0.005	<0.005	<0.005		
10/7/2020		0.0014 (J)				<0.005	<0.005

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)
8/30/2016							0.503 (U)
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	
12/6/2016							0.302 (U)
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)						0.526 (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)
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)		
10/19/2017						0.398 (U)	
2/20/2018	2.12						1.07 (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)
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)		
9/14/2018				1.16		0.74 (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)			
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)	
10/6/2020	0.265 (U)		1.12 (U)				0.996 (U)
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893	

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	1.85						
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	0.844 (U)				0.507 (U)		0.179 (U)
12/8/2016		1.39				0.968 (U)	
3/21/2017	0.832 (U)			0.506 (U)			
3/22/2017		0.852 (U)					0.279 (U)
3/23/2017					0.378 (U)	0.444 (U)	
7/11/2017	0.824 (U)	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	1.19	0.678 (U)					
10/19/2017						0.748 (U)	0.329 (U)
2/20/2018	0.975 (U)			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	1.29		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	0.765 (U)	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)				
9/10/2019	0.575 (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	1.39	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	0.774 (U)	0.95 (U)				0.782 (U)	0.572 (U)
10/6/2020	1.24 (U)		0.929 (U)	0.276 (U)	0.371 (U)		
10/7/2020		1.01 (U)				0.442 (U)	0.232 (U)

Constituent: Fluoride (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							0.06 (J)
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)	
12/6/2016							0.06 (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						0.004 (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)
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)		
10/19/2017						<0.1	
2/20/2018	0.04 (J)						0.098 (J)
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37	
7/11/2018	<0.1						<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						0.034 (J)
9/13/2018		0.15 (J)	<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		
3/28/2019		0.1		0.15		0.074	
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			
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)	
8/27/2020					<0.1		
10/6/2020	<0.1		<0.1				<0.1
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)	

Constituent: Fluoride (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.13 (J)						
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	0.13 (J)				0.07 (J)		0.15 (J)
12/8/2016		0.22 (J)				0.21 (J)	
3/21/2017	0.05 (J)			0.02 (J)			
3/22/2017		0.16 (J)					0.09 (J)
3/23/2017					<0.1	0.18 (J)	
7/11/2017	0.05 (J)	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	<0.1	0.28 (J)					
10/19/2017						<0.1	<0.1
2/20/2018	0.3 (J)			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	0.077 (J)		<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	<0.1	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	<0.1	0.37	0.04		<0.1		
3/28/2019						<0.1	<0.1
9/10/2019	<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	0.066 (J)	0.13 (J)		<0.1	<0.1		
3/26/2020						<0.1	<0.1
8/25/2020				<0.1	<0.1		
8/26/2020	0.057 (J)	0.14	0.057 (J)			<0.1	<0.1
10/6/2020	0.052 (J)		0.073 (J)	<0.1	<0.1		
10/7/2020		0.13				<0.1	<0.1

Constituent: Lead (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
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)
8/30/2016							<0.005
8/31/2016	<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				
12/8/2016				<0.005	<0.005	<0.005	
3/21/2017	<0.005						<0.005
3/22/2017		5E-05 (J)	<0.005	<0.005	<0.005		
3/23/2017						<0.005	
7/11/2017	<0.005		<0.005				<0.005
7/12/2017		<0.005		<0.005	<0.005	<0.005	
10/17/2017							0.0001 (J)
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		<0.005	<0.005	<0.005	0.00043 (J)	<0.005	
7/11/2018	<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		
9/14/2018				<0.005		<0.005	
10/1/2019							<0.005
10/2/2019	<0.005	<0.005	8.1E-05 (X)	<0.005			
10/3/2019					<0.005	<0.005	
3/24/2020							6.2E-05 (J)
3/25/2020	<0.005			<0.005			
3/26/2020		<0.005	<0.005		<0.005	<0.005	
8/25/2020							6.5E-05 (J)
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				6.6E-05 (J)
10/7/2020		<0.005		<0.005	4.2E-05 (J)	4.2E-05 (J)	

Constituent: Lead (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.005						
9/1/2016							<0.005
9/8/2016		<0.005					
10/18/2016				<0.005	0.0001 (J)		
12/6/2016				<0.005			
12/7/2016	<0.005				<0.005		<0.005
12/8/2016		<0.005				<0.005	
3/21/2017	<0.005			<0.005			
3/22/2017		<0.005					<0.005
3/23/2017					0.0002 (J)	9E-05 (J)	
7/11/2017	<0.005	<0.005		<0.005	<0.005		
7/12/2017						<0.005	<0.005
10/17/2017				0.0005 (J)	7E-05 (J)		
10/18/2017	<0.005	<0.005					
10/19/2017						<0.005	<0.005
2/20/2018	<0.005			<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	<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		<0.005
9/14/2018						<0.005	
10/4/2018			<0.005			<0.005	
10/24/2018			<0.005				
9/10/2019	<0.005						
10/1/2019					<0.005		
10/2/2019		<0.005	4.7E-05 (X)	8.1E-05 (X)			
10/3/2019						4.7E-05 (X)	<0.005
3/24/2020			<0.005				
3/25/2020	0.00015 (J)	<0.005		<0.005	<0.005		
3/26/2020						<0.005	<0.005
8/25/2020				<0.005	6.3E-05 (J)		
8/26/2020	<0.005	<0.005	<0.005			<0.005	<0.005
10/6/2020	4.7E-05 (J)		<0.005	<0.005	<0.005		
10/7/2020		<0.005				<0.005	<0.005

Constituent: Lithium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)
8/30/2016							<0.03
8/31/2016	<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				
12/8/2016				<0.03	<0.03	0.0061 (J)	
3/21/2017	<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
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)		
10/19/2017						0.013 (J)	
2/20/2018	<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
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)		
9/14/2018				0.0025 (J)		0.018 (J)	
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)			
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)	
8/27/2020					0.0025 (J)		
10/6/2020	<0.03		<0.03				<0.03
10/7/2020		0.0013 (J)		0.0029 (J)	0.003 (J)	0.013 (J)	
		• •				• •	

Constituent: Lithium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.03						
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				<0.03		0.0023 (J)
12/8/2016		0.0038 (J)				<0.03	
3/21/2017	<0.03			<0.03			
3/22/2017		0.0068 (J)					0.0025 (J)
3/23/2017					<0.03	<0.03	
7/11/2017	<0.03	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	<0.03	0.0057 (J)					
10/19/2017						<0.03	<0.03
2/20/2018	<0.03			<0.03	<0.03		
2/21/2018		0.0063 (J)				<0.03	0.0034 (J)
4/12/2018			<0.03				
5/23/2018			<0.03				
6/13/2018			<0.03				
7/11/2018	<0.03		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	<0.03	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)				
9/10/2019	<0.03						
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	0.0011 (J)	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	0.0011 (J)	0.0065 (J)	0.0015 (J)			<0.03	0.0023 (J)
10/6/2020	0.00097 (J)		0.00099 (J)	<0.03	<0.03		
10/7/2020		0.0063 (J)				<0.03	0.0023 (J)

Constituent: Mercury (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
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)
8/30/2016							<0.0005
8/31/2016	<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	7E-05 (J)	<0.0005	<0.0005				
12/8/2016				<0.0005	<0.0005	<0.0005	
3/21/2017	<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
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		
10/19/2017						<0.0005	
2/20/2018	<0.0005						<0.0005
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	<0.0005						<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		
9/14/2018				<0.0005		<0.0005	
8/25/2020							9.9E-05 (J)
8/26/2020	0.00015 (J)	<0.0005	<0.0005	<0.0005		0.0001 (J)	
8/27/2020					<0.0005		
10/6/2020	<0.0005		<0.0005				<0.0005
10/7/2020		<0.0005		<0.0005	<0.0005	<0.0005	

Constituent: Mercury (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.0005						
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	9E-05 (J)				<0.0005		6E-05 (J)
12/8/2016		<0.0005				<0.0005	
3/21/2017	<0.0005			<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	<0.0005		
7/12/2017						<0.0005	<0.0005
10/17/2017				<0.0005	<0.0005		
10/18/2017	<0.0005	<0.0005					
10/19/2017						<0.0005	<0.0005
2/20/2018	<0.0005			<0.0005	<0.0005		
2/21/2018		5.3E-05 (J)				4.3E-05 (J)	5.3E-05 (J)
4/12/2018			<0.0005				
5/23/2018			<0.0005				
6/13/2018			4.9E-05 (J)				
7/11/2018	<0.0005		<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		<0.0005
9/14/2018						4.1E-05 (J)	
10/4/2018			<0.0005			<0.0005	
10/24/2018			5.2E-05 (J)				
8/25/2020				0.0001 (J)	<0.0005		
8/26/2020	0.00017 (J)	<0.0005	<0.0005			0.00011 (J)	<0.0005
10/6/2020	<0.0005		<0.0005	<0.0005	<0.0005		
10/7/2020		<0.0005				<0.0005	<0.0005

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							<0.01
8/31/2016	<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				
12/8/2016				<0.01	<0.01	0.0022 (J)	
3/21/2017	0.0005 (J)						0.0018 (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)
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		
10/19/2017						0.0021 (J)	
2/20/2018	<0.01						<0.01
2/21/2018		<0.01	<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)	
8/15/2018					<0.01		
8/16/2018				<0.01			
9/12/2018	<0.01						<0.01
9/13/2018		<0.01	<0.01		<0.01		
9/14/2018				<0.01		0.0023 (J)	
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			
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)	
8/27/2020					<0.01		
10/6/2020	<0.01		<0.01				0.0009 (J)
10/7/2020		<0.01		<0.01	<0.01	0.0019 (J)	

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.01						
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		<0.01
12/8/2016		<0.01				<0.01	
3/21/2017	0.0006 (J)			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	<0.01		
7/12/2017						<0.01	<0.01
10/17/2017				<0.01	<0.01		
10/18/2017	<0.01	<0.01					
10/19/2017						<0.01	<0.01
2/20/2018	<0.01			<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	<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		<0.01
9/14/2018						<0.01	
10/4/2018			<0.01			<0.01	
10/24/2018			<0.01				
9/10/2019	<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	0.0011 (J)	<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	<0.01
10/6/2020	<0.01		0.00069 (J)	<0.01	<0.01		
10/7/2020		<0.01				<0.01	<0.01

Constituent: pH (SU) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
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)
8/30/2016							7.67
8/31/2016	6.97						
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				
12/8/2016				6.95	6.9	6.61	
3/21/2017	7.04						7.54
3/22/2017		7.04	7.2	7.05	7		
3/23/2017						6.69	
7/11/2017	6.88		7.31				7.43
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	
10/19/2017						6.85	
2/20/2018	7.32 (D)						7.57
2/21/2018		7.11	7.1	6.95	6.89	6.66	
7/11/2018	7.12						7.48
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		
9/14/2018				6.83		6.76	
3/26/2019							7.49
3/27/2019	6.98		7.23		6.92		
3/28/2019		7.84		6.97		6.67	
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			
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	
8/27/2020					6.88		
10/6/2020	7.01		7.24				7.35
10/7/2020		7.11		7.04	6.91	6.78	

Constituent: pH (SU) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	
8/31/2016	6.75							
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	6.64				7.29		6.85	
12/8/2016		6.98				6.86		
3/21/2017	6.73			7.01				
3/22/2017		7.16					6.99	
3/23/2017					7.26	6.9		
7/11/2017	6.66	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	6.73	7.09						
10/19/2017						6.86	6.91	
2/20/2018	7.11				7.26			
2/21/2018		7.12				7.02	6.97	
7/11/2018	7		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	6.56	7.03			7.25		6.88	
9/14/2018						6.75		
3/26/2019				7				
3/27/2019	6.75	7.08	8.76		7.42			
3/28/2019						6.96	6.96	
9/10/2019	6.78							
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	6.84	7.01		7.15	7.23			
3/26/2020						7	7.12	
8/25/2020				7.14	7.53			
8/26/2020	6.64	7.09	7.97			6.99	7.01	
10/6/2020	6.78		8.72	7.01	7.27			
10/7/2020		6.95				7.04	6.98	

Constituent: Selenium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							<0.01
8/31/2016	0.0012 (J)						
9/1/2016		<0.01					
9/6/2016			<0.01				
9/7/2016				<0.01	<0.01	<0.01	
12/6/2016							<0.01
12/7/2016	<0.01	<0.01	<0.01				
12/8/2016				<0.01	<0.01	<0.01	
3/21/2017	<0.01						<0.01
3/22/2017		<0.01	<0.01	<0.01	<0.01		
3/23/2017						<0.01	
7/11/2017	<0.01		<0.01				<0.01
7/12/2017		<0.01		<0.01	<0.01	<0.01	
10/17/2017							<0.01
10/18/2017	<0.01	<0.01	<0.01	<0.01	<0.01		
10/19/2017						<0.01	
2/20/2018	<0.01						<0.01
2/21/2018		<0.01	<0.01	<0.01	<0.01	<0.01	
7/11/2018	<0.01						<0.01
7/12/2018		<0.01	<0.01			<0.01	
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		
9/14/2018				<0.01		0.0015 (J)	
10/1/2019							<0.01
10/2/2019	0.0015 (X)	<0.01	<0.01	<0.01			
10/3/2019					<0.01	0.0034 (X)	
3/24/2020							<0.01
3/25/2020	<0.01			<0.01			
3/26/2020		<0.01	<0.01		<0.01	0.0016 (J)	
8/25/2020							<0.01
8/26/2020	<0.01	0.0018 (J)	<0.01	<0.01		0.0031 (J)	
8/27/2020					<0.01		
10/6/2020	<0.01		<0.01				<0.01
10/7/2020		<0.01		<0.01	<0.01	0.0035 (J)	

Constituent: Selenium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	
8/31/2016	0.0014 (J)							
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		<0.01	
12/8/2016		<0.01				<0.01		
3/21/2017	<0.01			<0.01				
3/22/2017		<0.01					<0.01	
3/23/2017					<0.01	<0.01		
7/11/2017	<0.01	<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	<0.01						
10/19/2017						<0.01	<0.01	
2/20/2018	<0.01			<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	<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		<0.01	
9/14/2018						<0.01		
10/4/2018			<0.01			<0.01		
10/24/2018			<0.01					
9/10/2019	0.0018 (X)							
10/1/2019					<0.01			
10/2/2019		<0.01	<0.01	<0.01				
10/3/2019						<0.01	0.0017 (X)	
3/24/2020			<0.01					
3/25/2020	0.003 (J)	<0.01		<0.01	<0.01			
3/26/2020						<0.01	<0.01	
8/25/2020				<0.01	<0.01			
8/26/2020	0.0026 (J)	<0.01	<0.01			<0.01	0.0018 (J)	
10/6/2020	0.0027 (J)		<0.01	<0.01	<0.01			
10/7/2020		<0.01				<0.01	<0.01	

Constituent: Sulfate (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							2.1
8/31/2016	4.1						
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				
12/8/2016				94	94	84	
3/21/2017	2						2.5
3/22/2017		80	53	100	95		
3/23/2017						90	
7/11/2017	2		52				2.6
7/12/2017		78		100	96	93	
10/17/2017							2.5
10/18/2017	4.2	82	58	100	99		
10/19/2017						92	
2/20/2018	2.4						2.3
2/21/2018		72.2	48.2	98.8	91.8	84.5	
7/11/2018	3.8						2.5
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		
9/14/2018				102		89.5	
3/26/2019							2.7
3/27/2019	8.2		46.5		111		
3/28/2019		90.3		94.7		83.5	
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			
3/26/2020		83.6	43.5		91	84.9	
10/6/2020	11		42.4				2.4
10/7/2020		80.7		89.1	87.3	83.3	

Constituent: Sulfate (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	29						
9/1/2016							62
9/8/2016		48					
10/18/2016				2.2	2.3		
12/6/2016				6.1			
12/7/2016	24				1.9		57
12/8/2016		46				100	
3/21/2017	31			5.7			
3/22/2017		53					61
3/23/2017					1.7	100	
7/11/2017	37	51		4.8	1.8		
7/12/2017						97	53
10/17/2017				6.4	1.9		
10/18/2017	34	50					
10/19/2017						97	55
2/20/2018	34.7			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	35.4		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	37.4	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	41.9	43.7	3.7		2.4		
3/28/2019						76.7	59.6
9/10/2019	45.1						
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	47	39.1		1.5	1.9		
3/26/2020						66.6	57.1
10/6/2020	71.2		3.1	0.98 (J)	1.9		
10/7/2020		38.1				54.6	48.9

Constituent: TDS (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
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)
8/30/2016							136
8/31/2016	344						
9/1/2016		284					
9/6/2016			257				
9/7/2016				392	415	508	
12/6/2016							207
12/7/2016	393	242	248				
12/8/2016				431	441	556	
3/21/2017	276						128
3/22/2017		332	304	456	469		
3/23/2017						482	
7/11/2017	263		265				138
7/12/2017		308		445	432	497	
10/17/2017							101
10/18/2017	261	275	240	349	368		
10/19/2017						448	
2/20/2018	295						138
2/21/2018		312	285	411	409	500	
7/11/2018	294						153
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		
9/14/2018				403		486	
3/26/2019							334
3/27/2019	281		277		408		
3/28/2019		337		420		378	
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			
3/26/2020		330	286		415	440	
10/6/2020	241		261				153
10/7/2020		336		392	425	492	

Constituent: TDS (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	400						
9/1/2016							373
9/8/2016		293					
10/18/2016				264	152		
12/6/2016				299			
12/7/2016	406				214		433
12/8/2016		309				503 (o)	
3/21/2017	409			260			
3/22/2017		299					409
3/23/2017					165	430	
7/11/2017	414	301		244	162		
7/12/2017						438	374
10/17/2017				218	140		
10/18/2017	366	256					
10/19/2017						393	318
2/20/2018	429			264	163		
2/21/2018		297				435	367
4/12/2018			69				
5/23/2018			62				
6/13/2018			93				
7/11/2018	440		84	273	192		
7/12/2018		310				447	423
8/17/2018			115				
9/12/2018			97	252			
9/13/2018	448	307			192		394
9/14/2018						447	
10/4/2018			103			450	
10/24/2018			110				
3/26/2019				253			
3/27/2019	410	287	87		167		
3/28/2019						405	365
9/10/2019	420						
10/1/2019					187		
10/2/2019		312	95	263			
10/3/2019						414	405
3/24/2020			123				
3/25/2020	454	280		278	178		
3/26/2020						336	332
10/6/2020	462		81	254	169		
10/7/2020		280				337	334

Constituent: Thallium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV 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)
8/30/2016							<0.001
8/31/2016	<0.001						
9/1/2016		<0.001					
9/6/2016			<0.001				
9/7/2016				<0.001	<0.001	<0.001	
12/6/2016							<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)						<0.001
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
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)		
10/19/2017						0.0005 (J)	
2/20/2018	<0.001						<0.001
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)	
7/11/2018	<0.001						<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						<0.001
9/13/2018		<0.001	0.00017 (J)		<0.001		
9/14/2018				<0.001		0.00076 (J)	
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)			
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)	
8/27/2020					<0.001		
10/6/2020	<0.001		<0.001				<0.001
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)	

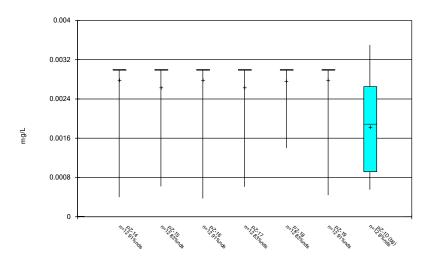
Constituent: Thallium (mg/L) Analysis Run 12/8/2020 1:37 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

					,		
	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.001						
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)				0.0002 (J)		<0.001
12/8/2016		<0.001				<0.001	
3/21/2017	0.0003 (J)			6E-05 (J)			
3/22/2017		<0.001					0.0002 (J)
3/23/2017					8E-05 (J)	0.0001 (J)	
7/11/2017	0.0002 (J)	<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	0.0001 (J)	<0.001					
10/19/2017						0.0001 (J)	0.0001 (J)
2/20/2018	0.00026 (J)			<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	0.00018 (J)		<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		<0.001
9/14/2018						<0.001	
10/4/2018			<0.001			<0.001	
10/24/2018			0.00016 (J)				
9/10/2019	<0.001						
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	0.00015 (J)	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	0.00016 (J)	0.00037 (J)	<0.001			<0.001	<0.001
10/6/2020	<0.001		<0.001	<0.001	<0.001		
10/7/2020		0.00027 (J)				<0.001	<0.001

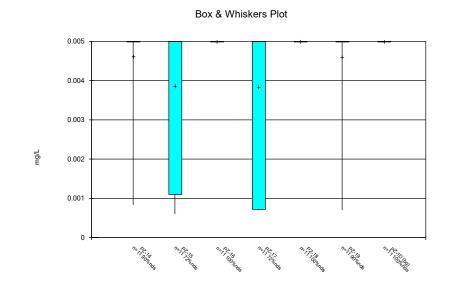
FIGURE B.

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

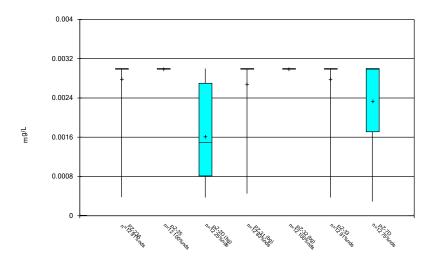


Constituent: Antimony Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



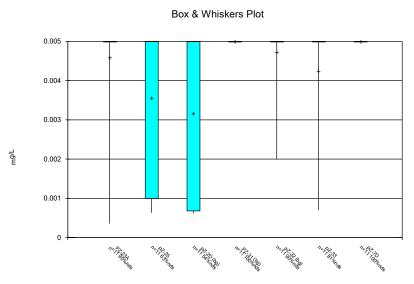
Constituent: Arsenic Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



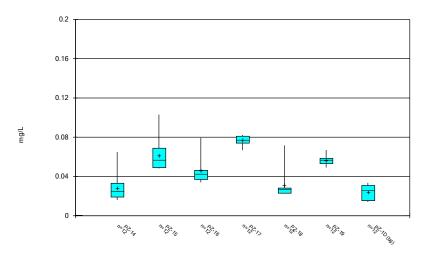
Constituent: Antimony Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG



Constituent: Arsenic Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

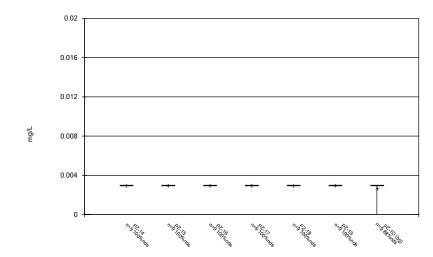
Box & Whiskers Plot



Constituent: Barium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

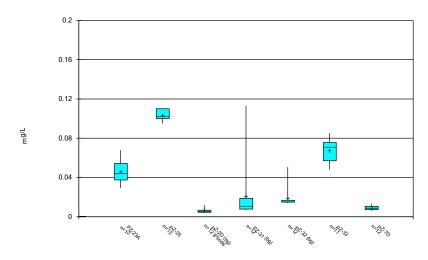
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

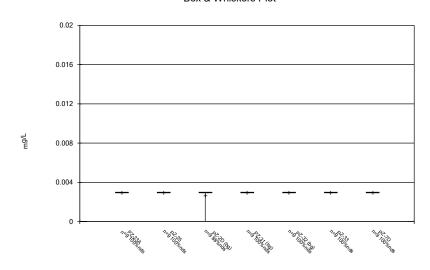
Box & Whiskers Plot



Constituent: Barium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

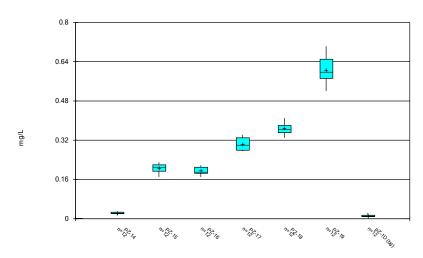
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



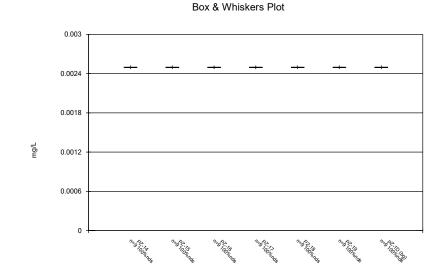
Constituent: Beryllium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



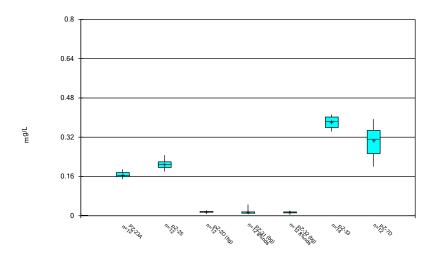
Constituent: Boron Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG



Constituent: Cadmium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

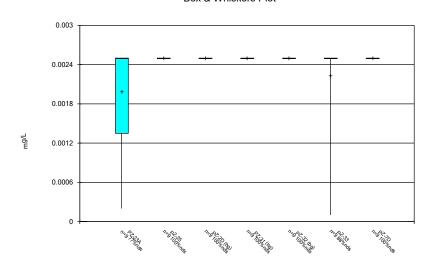
Box & Whiskers Plot



Constituent: Boron Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

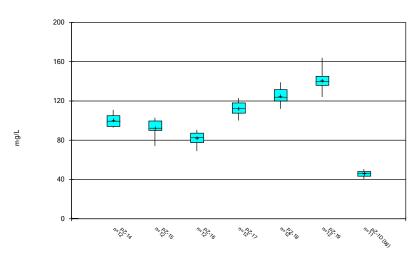
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



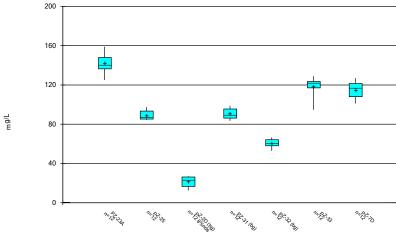
Constituent: Cadmium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

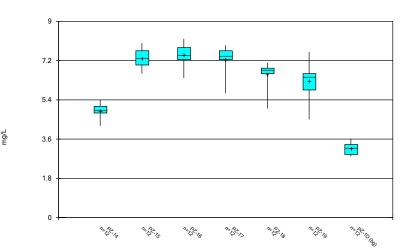
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

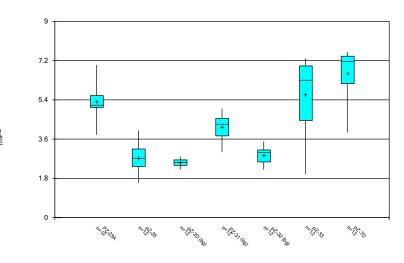
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

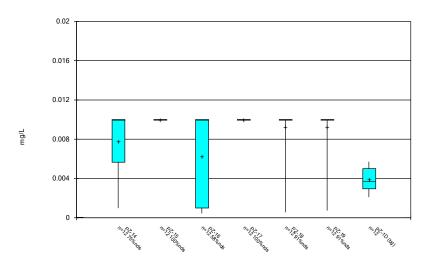
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

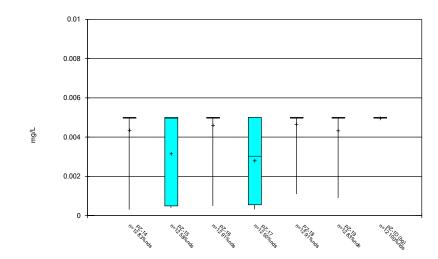
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

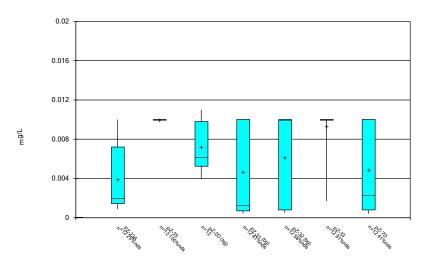
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

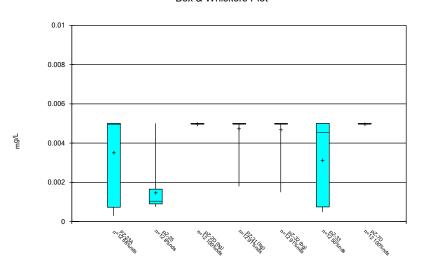
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

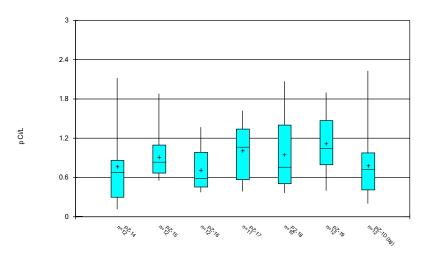
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



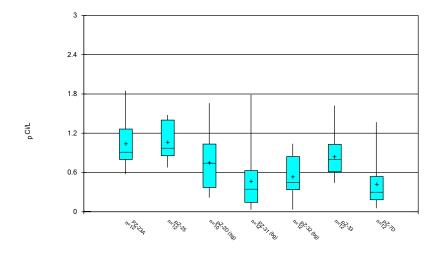
Constituent: Cobalt Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

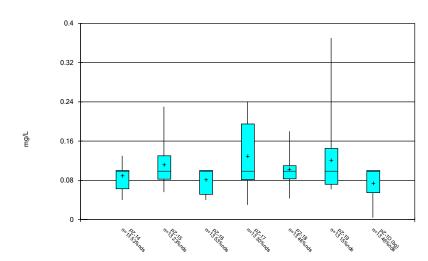
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

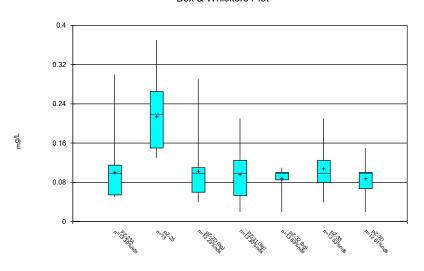
Box & Whiskers Plot



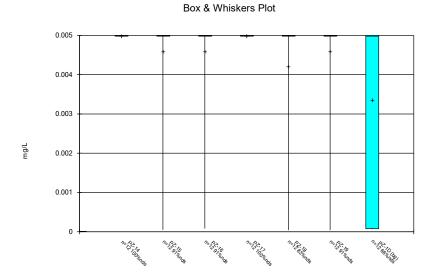
Constituent: Fluoride Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

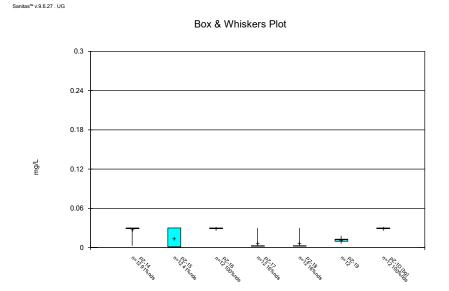
Box & Whiskers Plot



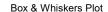
Constituent: Fluoride Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

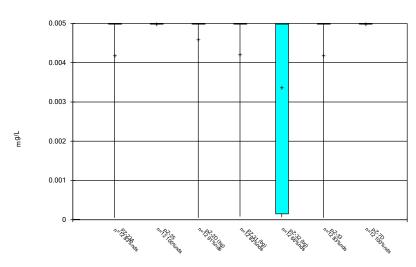


Constituent: Lead Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Lithium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



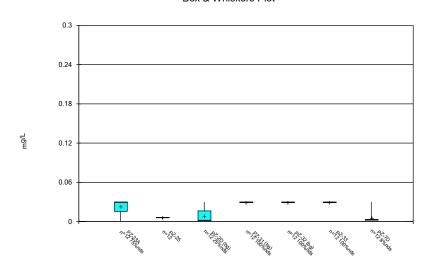


Constituent: Lead Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

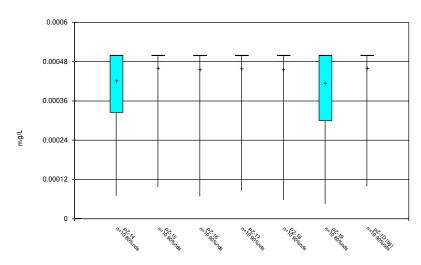
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



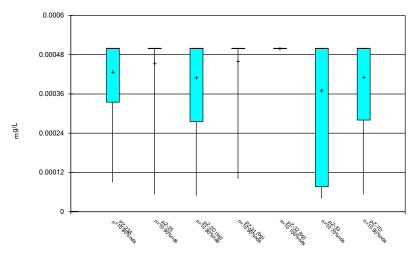
Constituent: Lithium Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/8/2020 1:38 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

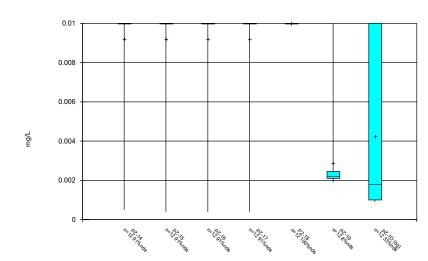
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

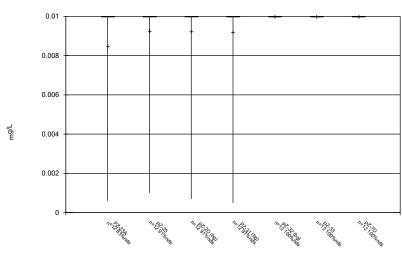
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

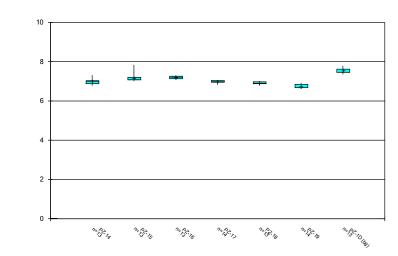
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



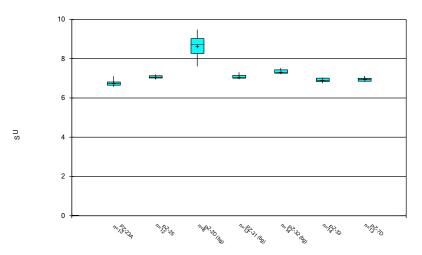
Constituent: Molybdenum Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: pH Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

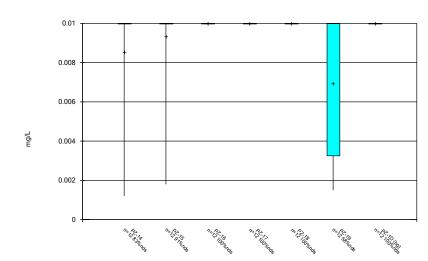
Box & Whiskers Plot



Constituent: pH Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



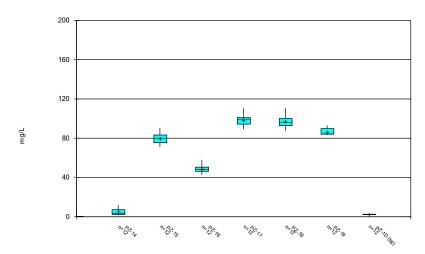
Constituent: Selenium Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

0.01 0.008 0.006 0.004 0.002

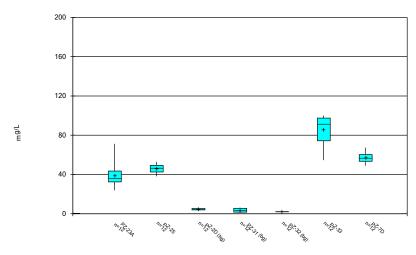
Constituent: Selenium Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

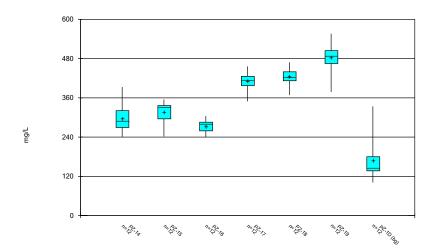
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

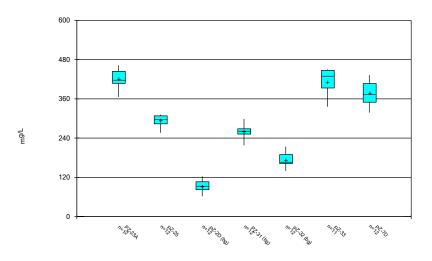
Box & Whiskers Plot



Constituent: TDS Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

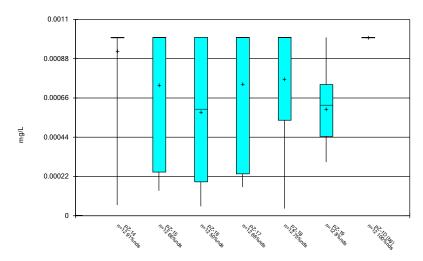
Box & Whiskers Plot



Constituent: TDS Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

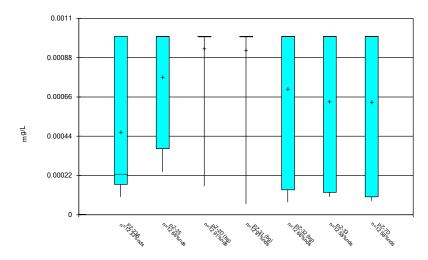




Constituent: Thallium Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/8/2020 1:39 PM View: Appendix III and IV
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 12/8/2020, 2:13 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 Predicition Limit - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 1:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02691	n/a	10/7/2020	0.19	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02691	n/a	10/6/2020	0.19	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02691	n/a	10/7/2020	0.3	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02691	n/a	10/7/2020	0.39	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02691	n/a	10/7/2020	0.52	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02691	n/a	10/6/2020	0.16	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02691	n/a	10/7/2020	0.18	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02691	n/a	10/7/2020	0.35	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02691	n/a	10/7/2020	0.2	Yes	48	4.167	None	In(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	119.9	n/a	10/7/2020	129	Yes	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	119.9	n/a	10/7/2020	144	Yes	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	119.9	n/a	10/6/2020	144	Yes	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.705	n/a	10/7/2020	6.6	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.705	n/a	10/6/2020	6.4	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-17	4.705	n/a	10/7/2020	5.7	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.705	n/a	10/7/2020	5	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.705	n/a	10/6/2020	7	Yes	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-18	9.48	6.96	10/7/2020	6.91	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	10/7/2020	6.78	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	10/6/2020	6.78	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-25	9.48	6.96	10/7/2020	6.95	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	7.172	n/a	10/6/2020	11	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	7.172	n/a	10/7/2020	80.7	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	7.172	n/a	10/6/2020	42.4	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	7.172	n/a	10/7/2020	89.1	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	7.172	n/a	10/7/2020	87.3	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	7.172	n/a	10/7/2020	83.3	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	7.172	n/a	10/6/2020	71.2	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	7.172	n/a	10/7/2020	38.1	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	7.172	n/a	10/7/2020	54.6	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	7.172	n/a	10/7/2020	48.9	Yes	48	0	None	In(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	314	n/a	10/7/2020	336	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	314	n/a	10/7/2020	392	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	314	n/a	10/7/2020	425	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	314	n/a	10/7/2020	492	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	314	n/a	10/6/2020	462	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-33	314	n/a	10/7/2020	337	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	314	n/a	10/7/2020	334	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2

Interwell Predicition Limit - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 1:43 PM

		Plant M	itchell Client:	Southern Co	mpany	Data: M	tchell A	Ish Pond	CCR Pr	nted 12/8/20	20, 1:43 PM	
Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	<u>Alpha</u>	Method
Boron (mg/L)	PZ-14	0.02691	n/a	10/6/2020	0.026J	No	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-15	0.02691	n/a	10/7/2020	0.19	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02691	n/a	10/6/2020	0.19	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02691	n/a	10/7/2020	0.3	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02691	n/a	10/7/2020	0.39	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02691	n/a	10/7/2020	0.52	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02691	n/a	10/6/2020	0.16	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02691	n/a	10/7/2020	0.18	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02691	n/a	10/7/2020	0.35	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02691	n/a	10/7/2020	0.2	Yes	48	4.167	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	119.9	n/a	10/6/2020	111	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	119.9	n/a	10/7/2020	93.5	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	119.9	n/a	10/6/2020	84	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	119.9	n/a	10/7/2020	112	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	119.9	n/a	10/7/2020	129	Yes		2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	119.9	n/a	10/7/2020	144	Yes		2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	119.9	n/a	10/6/2020	144	Yes		2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-25	119.9	n/a	10/7/2020	84.2	No	47	2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L) Calcium (mg/L)	PZ-33	119.9	n/a	10/7/2020	94.7	No	47	2.128 2.128	None	sqrt(x)	0.0007523	Param Inter 1 of 2 Param Inter 1 of 2
, ,	PZ-7D PZ-14	119.9 4.705	n/a	10/7/2020 10/6/2020	109 4.4	No No	47 48	0	None	sqrt(x)	0.0007523 0.0007523	
Chloride (mg/L)			n/a n/a		6.6	No Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2 Param Inter 1 of 2
Chloride (mg/L)	PZ-15 PZ-16	4.705 4.705	n/a n/a	10/7/2020 10/6/2020	6.4	Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L) Chloride (mg/L)	PZ-10	4.705	n/a	10/7/2020	5.7	Yes		0	None None	sqrt(x) sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.705	n/a	10/7/2020	5	Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-19	4.705	n/a	10/7/2020	4.5	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.705	n/a	10/6/2020	7	Yes		0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-25	4.705	n/a	10/7/2020	1.8	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-33	4.705	n/a	10/7/2020	2	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	4.705	n/a	10/7/2020	3.9	No	48	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	10/6/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	10/6/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	10/7/2020	0.064J	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	10/6/2020	0.052J	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	10/7/2020	0.13	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	10/7/2020	0.1ND	No	52	42.31	n/a	n/a	0.0006878	NP Inter (normality) 1 of 2
pH (SU)	PZ-14 PZ-15	9.48 9.48	6.96 6.96	10/6/2020 10/7/2020	7.01 7.11	No	48 48	0	n/a n/a	n/a	0.001612 0.001612	NP Inter (normality) 1 of 2 NP Inter (normality) 1 of 2
pH (SU) pH (SU)	PZ-16	9.48	6.96	10/7/2020	7.11	No No	48	0	n/a	n/a n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	10/7/2020	7.04	No	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-18	9.48	6.96	10/7/2020	6.91	Yes		0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	10/7/2020	6.78	Yes		0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	10/6/2020	6.78	Yes		0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-25	9.48	6.96	10/7/2020	6.95	Yes	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	10/7/2020	7.04	No	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	10/7/2020	6.98	No	48	0	n/a	n/a	0.001612	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	7.172	n/a	10/6/2020	11	Yes	48	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	7.172	n/a	10/7/2020	80.7	Yes	48	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	7.172	n/a	10/6/2020	42.4	Yes	48	0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	7.172	n/a	10/7/2020	89.1	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	7.172	n/a	10/7/2020	87.3	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	7.172	n/a	10/7/2020	83.3	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	7.172	n/a	10/6/2020	71.2	Yes		0	None	ln(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	7.172 7.172	n/a n/a	10/7/2020 10/7/2020	38.1 54.6	Yes Yes		0	None	ln(x)	0.0007523 0.0007523	Param Inter 1 of 2 Param Inter 1 of 2
Sulfate (mg/L) Sulfate (mg/L)	PZ-33 PZ-7D	7.172 7.172	n/a n/a	10/7/2020	48.9	Yes		0	None None	ln(x)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-10 PZ-14	314	n/a	10/6/2020	241	No	48	0	None	In(x) No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-14	314	n/a	10/0/2020	336	Yes		0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	314	n/a	10/6/2020	261	No	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	314	n/a	10/7/2020	392	Yes		0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	314	n/a	10/7/2020	425	Yes		0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	314	n/a	10/7/2020	492	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	314	n/a	10/6/2020	462	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-25	314	n/a	10/7/2020	280	No	48	0	None	No	0.0007523	Param Inter 1 of 2

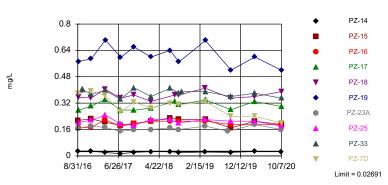
Interwell Predicition Limit - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 1:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	ND Adj.	<u>Transform</u>	<u>Alpha</u>	Method
TDS (mg/L)	PZ-33	314	n/a	10/7/2020	337	Yes	48	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	314	n/a	10/7/2020	334	Yes	48	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=-4.326, Std. Dev.=0.3488, n=48, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9553, critical = 0.929. Kappa = 2.039 (c=7, w=10, of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Boron Analysis Run 12/8/2020 1:41 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

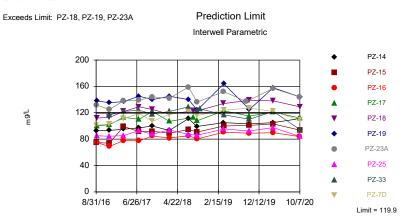
Sanitas™ v.9.6.27 . UG

Prediction Limit Exceeds Limit: PZ-15, PZ-16, PZ-17, PZ-18, PZ-23A Interwell Parametric PZ-14 PZ-15 PZ-16 P7-17 PZ-18 PZ-19 3.6 P7-23A PZ-25 1.8 PZ-33 8/31/16 6/26/17 4/22/18 2/15/19 12/12/19 10/7/20

Background Data Summary (based on square root transformation): Mean=1.77, Std. Dev.=0,1957, n=48. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.936, critical = 0.929. Kappa = 2.039 (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.

Limit = 4.705

Sanitas™ v.9.6.27 . UG

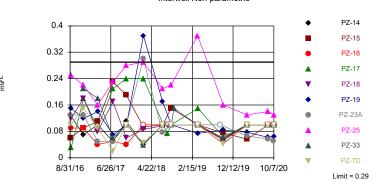


Background Data Summary (based on square root transformation): Mean=7.178, Std. Dev.=1.847, n=47, 2.128% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9324, critical = 0.928. Kappa = 2.042 (c=7, w=10, of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Calcium Analysis Run 12/8/2020 1:41 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

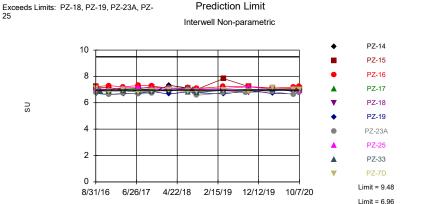
Sanitas™ v.9.6.27 . UG Hollow symbols indicate censored values. Within Limit

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 52 background values. 42.31% NDs. Annual perconstituent alpha = 0.01367. Individual comparison alpha = 0.0006878 (1 of 2). Comparing 10 points to limit.

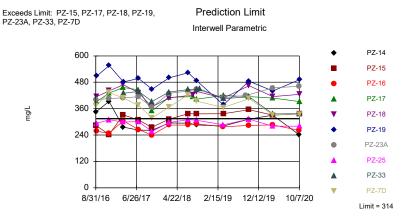
Sanitas™ v.9.6.27 . UG



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 48 background values. Annual perconstituent alpha = 0.03199. Individual comparison alpha = 0.001612 (1 of 2). Comparing 10 points to limit.

Constituent: pH Analysis Run 12/8/2020 1:41 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

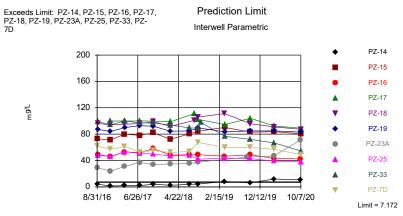
Sanitas™ v.9.6.27 . UG



Background Data Summary: Mean=173.5, Std. Dev.=68.91, n=48. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9489, critical = 0.929. Kappa = 2.039 (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 12/8/2020 1:41 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG



Background Data Summary (based on natural log transformation): Mean=1.046, Std. Dev.=0.4535, n=48. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.929. Kappa = 2.039 (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 12/8/2020 1:41 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Constituent: Boron (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III

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	0.0132 (J)								
8/31/2016		0.0285 (J)	0.166						
9/1/2016				0.379	0.215				
9/6/2016						0.17			
9/7/2016							0.355	0.573	0.276
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							0.351	0.588	0.303
3/21/2017	0.0082 (J)	0.0198 (J)	0.172						
3/22/2017				0.365	0.205	0.218	0.405		0.342
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		0.35	0.598	0.278
10/17/2017	0.0083 (J)								
10/18/2017		0.0212 (J)	0.158		0.197	0.195	0.37		0.277
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	0.33	0.6	0.29
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								0.57	0.31
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			0.7	0.34
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	0.04	0.04	0.10	0.00	0.0	0.33
3/26/2020	0.045 (B	0.000 (1)	0.10	0.24	0.21	0.19	0.36	0.6	
10/6/2020	0.015 (J)	0.026 (J)	0.16	0.0	0.10	0.19	0.00	0.50	0.0
10/7/2020				0.2	0.19		0.39	0.52	0.3

Constituent: Boron (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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		0.101	0.0174 (J)	0.0156 (J)	
12/6/2016			0.0133 (J)	0.0100 (0)	
12/7/2016			0.0133 (0)	0.0157 (J)	
12/8/2016	0.216	0.375		0.0137 (3)	
3/21/2017	0.210	0.373	0.0103 (1)		
	0.047		0.0103 (J)		
3/22/2017	0.247	0.000		0.0100 ())	
3/23/2017	0.40.	0.396	.0.61	0.0103 (J)	
7/11/2017	0.194	0.615	<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)	
10/1/2019	0.21		0.0084 (X)	0.011(//)	0.011 (X)
10/3/2019	U.Z.I	0.36	0.0004 (A)		0.011(A)
3/24/2020		0.30			0.015 (1)
	0.21		0.01171	0.016 (1)	0.015 (J)
3/25/2020 3/26/2020	0.21	0.39	0.011 (J)	0.016 (J)	
		0.38	0.04470	0.015 (1)	0.019 (1)
10/6/2020	0.46	0.65	0.011 (J)	0.015 (J)	0.018 (J)
10/7/2020	0.18	0.35			

Constituent: Calcium (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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	40.4								
8/31/2016		92.9	132						
9/1/2016				101	74.8				
9/6/2016						74.6			
9/7/2016							112	138	100
9/8/2016									
10/18/2016									
12/6/2016	43.3								
12/7/2016		93.1	125	103	74	68.9			
12/8/2016							113	135	102
3/21/2017	44.1	95	138						
3/22/2017				111	99.3	77.8	122		113
3/23/2017								137	
7/11/2017	47.4	97.1	139			77.3			
7/12/2017				119	91.4		129	145	110
10/17/2017	48.7								
10/18/2017		100	144		92	84.7	125		122
10/19/2017				107				140	
2/20/2018	46.8	93.1	142						
2/21/2018				118	89	81.8	118	145	107
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	65.3 (o)	111	159						
7/12/2018				121	94.5	85.2		140	
8/15/2018							123		
8/16/2018									113
8/17/2018									
9/12/2018	46.6	99.3							
9/13/2018			136	116	90.8	80.2	123		
9/14/2018								124	108
10/4/2018									
10/24/2018									
3/26/2019	43.3								
3/27/2019		105	152			90.5	134		
3/28/2019				124	100			164	123
9/10/2019			137						
10/1/2019	46.8								
10/2/2019		103			101	89.1			115
10/3/2019				127			139	125	
3/24/2020	48								
3/25/2020		105	157						121
3/26/2020				122	103	89.8	138	158	
10/6/2020	50.5	111	144	100	00.5	84	100		440
10/7/2020				109	93.5		129	144	112

Constituent: Calcium (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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					
	95.0				
9/8/2016	85.2	00.0	57.0		
10/18/2016		88.3	57.2		
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	86	59.7		
7/12/2017				124	
10/17/2017		91.6	64.9		
10/18/2017		55	JJ		
10/19/2017				118	
		96 F	64.1	110	
2/20/2018	00.0	86.5	64.1	100	
2/21/2018	93.9			122	
4/12/2018					<25
5/23/2018					17.6 (J)
6/13/2018					14.3
7/11/2018		95.4	60.4		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	00.0		00.7	123	
					25
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	95.8	66.6		
3/26/2020				122	
10/6/2020		98.8	62.8		22.7
10/0/2020	84.2	50.0	02.0	94.7	LL.1
10///2020	04.∠			94./	

Constituent: Chloride (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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-17	PZ-19
8/30/2016	3.1								
8/31/2016		4.9	5.1						
9/1/2016				7.4	7				
9/6/2016						7.9			
9/7/2016							6.9	7.7	6.8
9/8/2016									
10/18/2016									
12/6/2016	3.4								
12/7/2016		4.8	5.2	7.6	7	7.6			
12/8/2016							6.8	7.2	6.6
3/21/2017	2.9	4.9	5.5						
3/22/2017	2.0		0.0	7.2	7.4	7.7	6.8	7.3	
3/23/2017				7.2	7.4	7.7	0.0	7.5	6.6
7/11/2017	3.4	5	5.7			8.1			0.0
7/11/2017	3.4	3	3.7	7.3	0	0.1	6.7	7.4	6.6
10/17/2017	2.2			7.3	8		0.7	7.4	0.0
10/17/2017	3.3	F 1	E 1		7.0	0.0	6.9	7.6	
10/18/2017		5.1	5.1	7.4	7.8	8.2	6.8	7.6	C.E.
	0.0			7.4					6.5
2/20/2018	3.3	5.1	5.5	7.0	7.0	7.0	7.4	7.4	7.0
2/21/2018				7.6	7.2	7.3	7.1	7.4	7.6
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	2.9	4.9	5.1						
7/12/2018				7.1	7.5	7.2			6.3
8/15/2018							6.7		
8/16/2018								7.5	
8/17/2018									
9/12/2018	2.8	4.8							
9/13/2018			5	6.6	6.8	7.3	6.7		
9/14/2018								7.7	6.1
10/4/2018									
10/24/2018									
3/26/2019	3.3								
3/27/2019		5.2	4.7			7.3	6.5		
3/28/2019				6.4	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				5.9			7		5.6
3/24/2020	2.8								
3/25/2020		4.2	6.4					6.1	
3/26/2020				4.8	7	7	5.7		5.4
10/6/2020	3	4.4	7			6.4			
10/7/2020				3.9	6.6		5	5.7	4.5

Constituent: Chloride (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

			Plant Willone	eli Cilent: Southeri	n Company Data: Millicheil 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	

Constituent: Fluoride (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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
8/30/2016	0.06 (J)								
8/31/2016		0.13 (J)	0.13 (J)						
9/1/2016				0.06 (J)	<0.1				
9/6/2016						0.09 (J)			
9/7/2016							0.03 (J)	0.12 (J)	0.15 (J)
9/8/2016									
10/18/2016									
12/6/2016	0.06 (J)								
12/7/2016		0.07 (J)	0.13 (J)	0.09 (J)	0.15 (J)	0.09 (J)			
12/8/2016							0.18 (J)	0.18 (J)	0.12 (J)
3/21/2017	0.004 (J)	<0.1	0.05 (J)						
3/22/2017				0.11 (J)	0.09 (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)	0.02 (J)		0.21 (J)	0.17 (J)	0.07 (J)
10/17/2017	<0.1								
10/18/2017		0.11 (J)	<0.1	0.19 (J)		0.04 (J)	0.24 (J)	0.06 (J)	
10/19/2017					<0.1				<0.1
2/20/2018	0.098 (J)	0.04 (J)	0.3 (J)						
2/21/2018				0.093 (J)	0.045 (J)	<0.1	0.24 (J)	0.086 (J)	0.37
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	0.15 (J)	<0.1	<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		0.15		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					0.041 (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				0.056 (J)	<0.1	<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	<0.1		0.062 (J)
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	<0.1	0.064 (J)

Constituent: Fluoride (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	D7.05	D7.00 (1.)	D7 04 (b)		DZ OD //s-2	
8/30/2016	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	
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	0.040 (0)		3.000 (0)	
9/13/2018	U.ZZ (U)	70.1		<0.1		
10/4/2018					0.15 (1)	
				0.15 (J)	0.15 (J)	
10/24/2018			-0.1		0.29 (J)	
3/26/2019	0.07	-0.1	<0.1		0.04	
3/27/2019	0.37	<0.1		.0.4	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		

Constituent: pH (SU) Analysis Run 12/8/2020 1:43 PM View: Appendix III 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
8/30/2016	7.67								
8/31/2016		6.97	6.75						
9/1/2016				7.07	7.21				
9/6/2016						7.23			
9/7/2016							6.71	6.92	7.02
9/8/2016									
10/4/2016									
10/5/2016									
10/17/2016									
10/18/2016									
12/6/2016	7.57								
12/7/2016		6.85	6.64	6.85	7.13	7.3			
12/8/2016							6.61	6.9	6.95
3/21/2017	7.54	7.04	6.73						
3/22/2017				6.99	7.04	7.2		7	7.05
3/23/2017							6.69		
7/11/2017	7.43	6.88	6.66			7.31			
7/12/2017				6.83	7.09		6.69	6.95	7.06
10/17/2017	7.7								
10/18/2017		6.77	6.73		7.2	7.28	6.88		6.99
10/19/2017				6.91			6.85		
2/20/2018	7.57	7.32 (D)	7.11						
2/21/2018				6.97	7.11	7.1	6.66	6.89	6.95
7/11/2018	7.48	7.12	7						
7/12/2018				6.85	7.07	7.14	6.84	7.01	7.06
8/15/2018								6.87	
8/16/2018									7.01
9/12/2018	7.41	6.87							
9/13/2018			6.56	6.88	7.01	7.08		6.86	
9/14/2018							6.76		6.83
3/26/2019	7.49								
3/27/2019		6.98	6.75			7.23		6.92	
3/28/2019				6.96	7.84		6.67		6.97
9/10/2019			6.78						
10/1/2019	7.5								
10/2/2019		6.96			7.22	7.22			6.99
10/3/2019				6.85			6.93	6.78	
3/24/2020	7.79								
3/25/2020		7.02	6.84						6.93
3/26/2020				7.12	7.08	7.12	6.7	7.01	
8/25/2020	7.49								
8/26/2020		6.98	6.64	7.01	7.08	7.18	6.68		6.98
8/27/2020								6.88	
10/6/2020	7.35	7.01	6.78			7.24			
10/7/2020				6.98	7.11		6.78	6.91	7.04

Constituent: pH (SU) Analysis Run 12/8/2020 1:43 PM View: Appendix III Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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	·	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				
		7.1	0.00			
	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			
			0.00	7.26		
	2/20/2018	7.10	7.00	7.26		
	2/21/2018	7.12	7.02	7.00	7.00	0.40
	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			
			7.01			9.57
	3/24/2020	7.01		7.00	7.15	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			

Constituent: Sulfate (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III 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-17	PZ-19
8/30/2016	2.1								
8/31/2016		4.1	29						
9/1/2016				62	73				
9/6/2016						49			
9/7/2016							96	99	87
9/8/2016									
10/18/2016									
12/6/2016	2.4								
12/7/2016		1.5	24	57	71	46			
12/8/2016							94	94	84
3/21/2017	2.5	2	31						
3/22/2017				61	80	53	95	100	
3/23/2017									90
7/11/2017	2.6	2	37			52			
7/12/2017				53	78		96	100	93
10/17/2017	2.5								
10/18/2017		4.2	34		82	58	99	100	
10/19/2017				55					92
2/20/2018	2.3	2.4	34.7						
2/21/2018				52.1	72.2	48.2	91.8	98.8	84.5
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	2.5	3.8	35.4						
7/12/2018				53.9	80.5	48.8			84.9
8/15/2018							101		
8/16/2018								111	
8/17/2018									
9/12/2018	2	4.3							
9/13/2018			37.4	67.5	84.4	48.7	106		
9/14/2018								102	89.5
10/4/2018									
10/24/2018									
3/26/2019	2.7								
3/27/2019		8.2	41.9			46.5	111		
3/28/2019				59.6	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				59.6			95.8		84.9
3/24/2020	3								
3/25/2020		11.9	47					92.4	
3/26/2020				57.1	83.6	43.5	91		84.9
10/6/2020	2.4	11	71.2			42.4			
10/7/2020				48.9	80.7		87.3	89.1	83.3

Constituent: Sulfate (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III 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	40					
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	50			97		
		2.1	F 2	31		
2/20/2018	40.0	2.1	5.2	00.0		
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	
				37.0		
10/24/2018			1.0		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	1.0	0.50 (3)	54.6	J. I	
10///2020	JO. 1			J4.U		

Constituent: TDS (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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	136								
8/31/2016		344	400						
9/1/2016				373	284				
9/6/2016						257			
9/7/2016							415	508	392
9/8/2016									
10/18/2016									
12/6/2016	207								
12/7/2016		393	406	433	242	248			
12/8/2016			.00	.00		2.0	441	556	431
3/21/2017	128	276	409					000	401
3/22/2017	120	270	403	409	332	304	469		456
				409	332	304	409	402	430
3/23/2017	100	202	44.4			205		482	
7/11/2017	138	263	414	074	000	265	400	407	445
7/12/2017				374	308		432	497	445
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				367	312	285	409	500	411
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	153	294	440						
7/12/2018				423	337	285		523	
8/15/2018							422		
8/16/2018									415
8/17/2018									
9/12/2018	146	286							
9/13/2018			448	394	336	291	438		
9/14/2018								486	403
10/4/2018									
10/24/2018									
3/26/2019	334								
3/27/2019		281	410			277	408		
3/28/2019				365	337			378	420
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				332	330	286	415	440	
10/6/2020	153	241	462			261			
10/7/2020				334	336		425	492	392

Constituent: TDS (mg/L) Analysis Run 12/8/2020 1:43 PM View: Appendix III
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		(3,	,		, 0,
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016	000				
9/8/2016	293	.=0			
10/18/2016		152	264		
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	162	244		
7/12/2017				438	
10/17/2017		140	218		
10/18/2017	256		2.0		
10/19/2017				393	
		162	264	333	
2/20/2018	207	163	264	425	
2/21/2018	297			435	
4/12/2018					69
5/23/2018					62
6/13/2018					93
7/11/2018		192	273		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
				750	
10/24/2018			050		110
3/26/2019	007	407	253		07
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	178	278		
3/26/2020				336	
10/6/2020		169	254		81
10/7/2020	280	· 	 ·	337	- ·
. 3 2020					

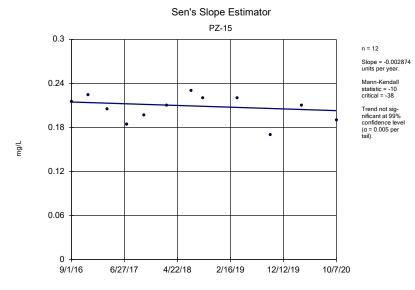
FIGURE E.

Trend Test - Significant Results

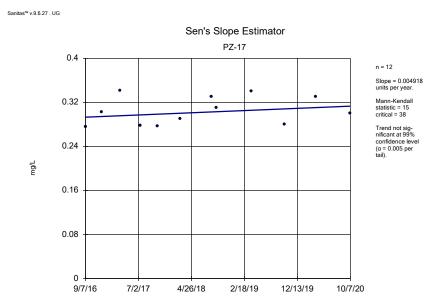
	Plant Mitchell	Client: Southern Co	mpany I	Data: Mitchell Asl	n Pond	CCR	Printed 12/	8/2020, 1:49 P	M		
Constituent	Well	Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	Xform	<u>Alpha</u>	Method
Boron (mg/L)	PZ-7D	-0.04195	-41	-38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	5.393	40	38	Yes	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.4113	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.958	47	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	5.866	58	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-3.585	-42	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-1.363	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-10.95	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	15.05	44	38	Yes	12	0	n/a	n/a	0.01	NP

Trend Test - All Results

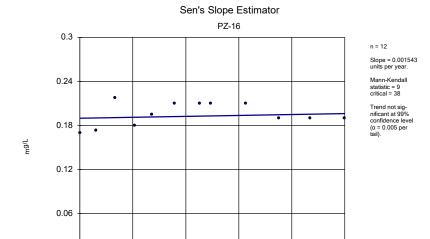
		11011	u i C	οι - <i>Γ</i> λιι	110	Jui	ıs				
	Plant Mitchell	Client: Southern Co	mpany D	ata: Mitchell As	sh Pond	CCR	Printed 12/	8/2020, 1:49 F	PM		
Constituent	Well	Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	<u>Xform</u>	<u>Alpha</u>	Method
Boron (mg/L)	PZ-15	-0.002874	-10	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0.001543	9	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-17	0.004918	15	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18	0.003211	10	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.01512	-10	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0000869	1	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A	0	1	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25	-0.002074	-10	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	0	-3	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	-0.001685	-23	-38	No	12	8.333	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	-0.0005995	-7	-38	No	12	8.333	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-33	-0.006909	-28	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D	-0.04195	-41	-38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18	5.393	40	38	Yes	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-19	1.884	14	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-10 (bg)	1.69	27	34	No	11	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-23A	5.176	29	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	4.25	20	38	No	12	8.333	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg) PZ-31 (bg)	2.303	33	38	No	12	0.333	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg) PZ-32 (bg)	1.918	24	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15	-0.09612	-7	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16	-0.2544	-32	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-17	-0.09058	-7	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18	-0.1529	-32	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-1D (bg)	-0.05102	-12	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-23A	0	-2	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	0	-6	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)	-0.4113	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Chloride (mg/L) Chloride (mg/L)	PZ-31 (bg) PZ-32 (bg)	-0.4113	- 43 -31	-38	No	12	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.01121	-14	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0.009125	10	48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-10 (bg)	-0.0333	-22	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.014	12	43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-25	-0.01978	-17	-38	No	12	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.2188	-8	-21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	-0.001297	-4	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	-0.006728	-8	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14	1.958	47	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-15	2.592	34	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16	-2.14	-32	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-17	-0.8819	-7	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-18	-0.07746	-3	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19	-0.9091	-21	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-1D (bg)	0.1329	22	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	5.866	58	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25	-3.585	-42	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)	-0.8052	-26	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)	-1.363	-43	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-32 (bg)	0.03898	11	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33	-10.95	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D	-1.28	-13	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-15	17.51	34	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-17	-7.105	-14	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-18	-1.308	-3	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19	-11.97	-22	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)	6.855	27	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A	15.05	44	38	Yes	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	16.45	20	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	-0.1691	-1	-38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	2.604	13	38	No	12	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-33	-18.86	-12	-34	No	11	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D	-11.45	-20	-38	No	12	0	n/a	n/a	0.01	NP
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Constituent: Boron Analysis Run 12/8/2020 1:46 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 12/8/2020 1:46 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 12/8/2020 1:46 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

2/17/19

4/25/18

12/12/19

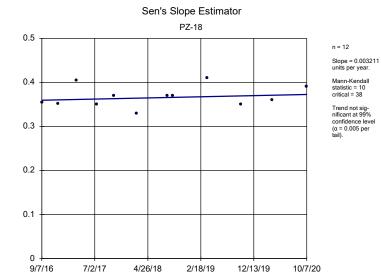
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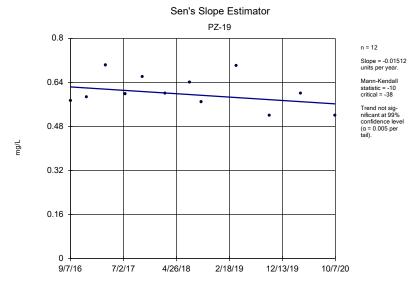
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9/6/16

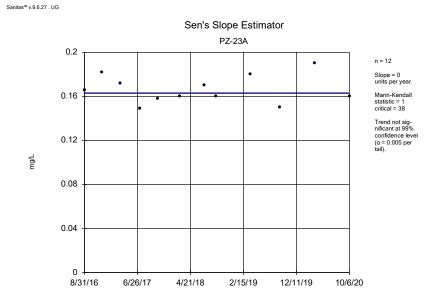
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 12/8/2020 1:46 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 12/8/2020 1:46 PM View: Appendix III

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator
PZ-1D (bg)

n = 12
Slope = 0.000869
units per year.

Mann-Kendall statistic = 1
critical = 38

Trend not significant at 99% confidence level (a = 0.005 per tail).

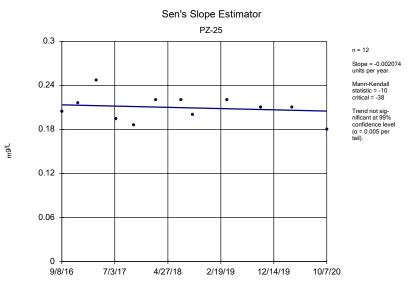
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG

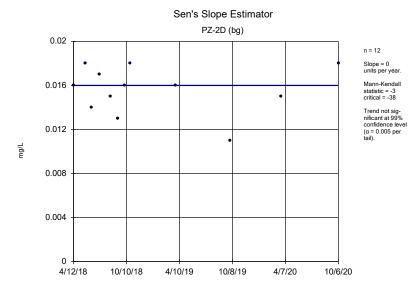
0.03

0.024

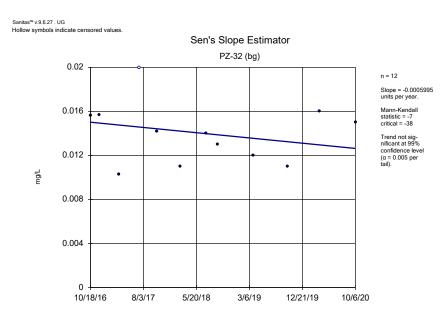
mg/L



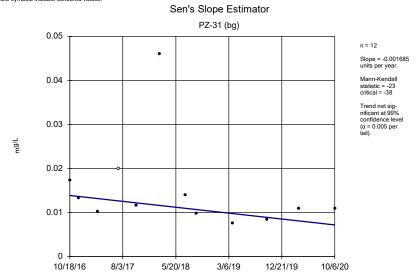
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

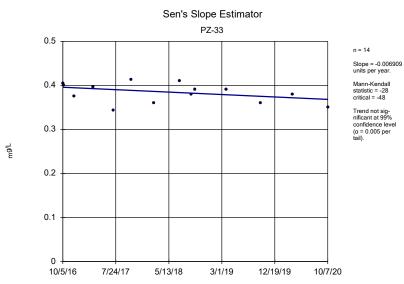


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

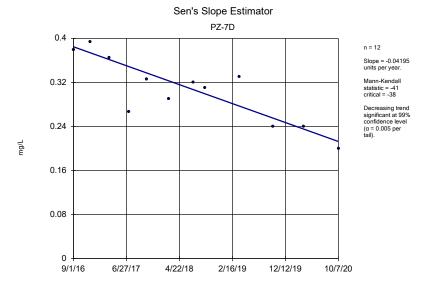


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





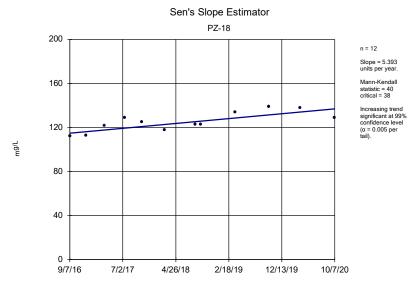
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



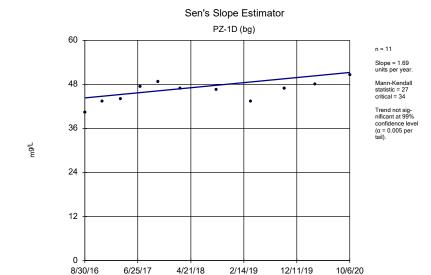
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG Sen's Slope Estimator PZ-19 200 n = 12 Slope = 1.884 units per year. 160 Mann-Kendall statistic = 14 critical = 38 Trend not sig-nificant at 99% confidence level 120 (α = 0.005 per tail). mg/L 80 40 9/7/16 7/2/17 4/26/18 2/18/19 12/13/19 10/7/20

Constituent: Calcium Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



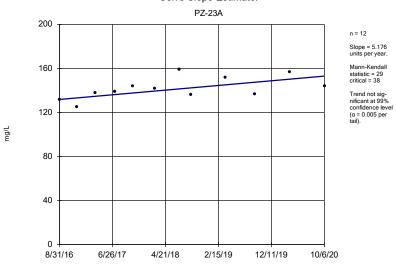
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Sanitas™ v.9.6.27 . UG

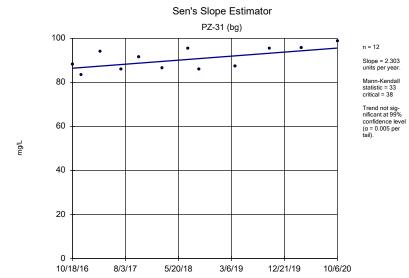
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





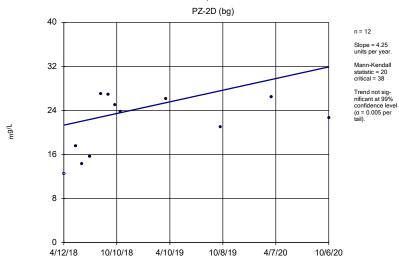
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 . UG



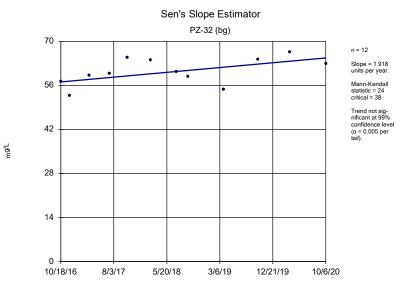
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



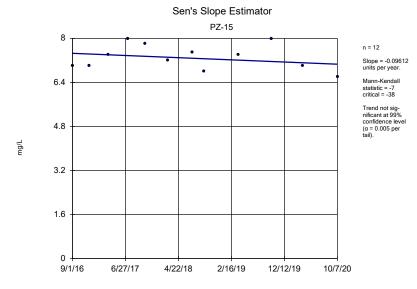


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

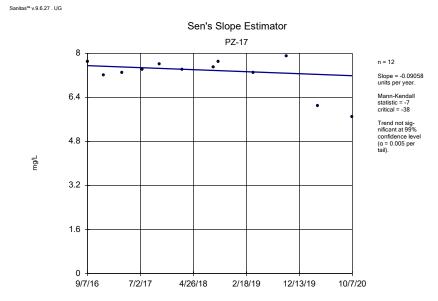
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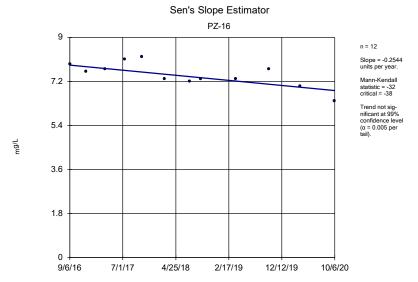
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



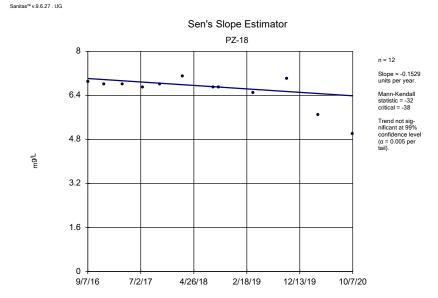
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



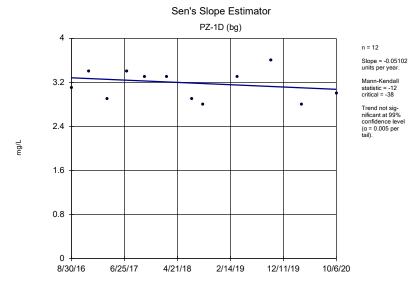
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Chloride Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

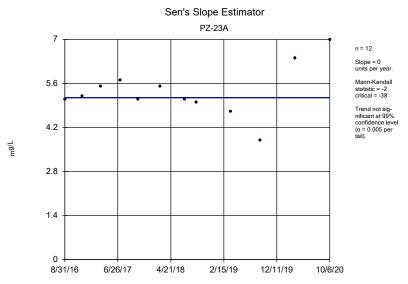


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

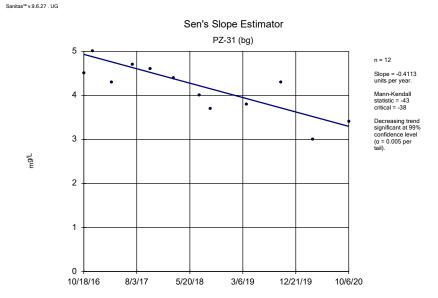
Sen's Slope Estimator PZ-2D (bg) n = 12 Slope = 0 units per year. Mann-Kendall 2.4 statistic = -6 critical = -38 Trend not sig-nificant at 99% confidence level 1.8 (α = 0.005 per tail). mg/L 1.2 0.6 4/12/18 10/10/18 4/10/19 10/8/19 4/7/20 10/6/20

Sanitas™ v.9.6.27 . UG

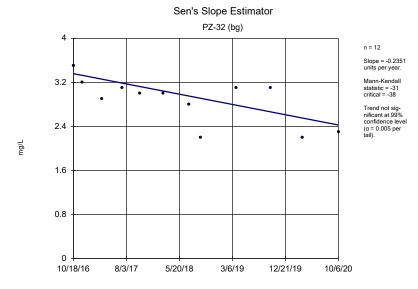
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Chloride Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

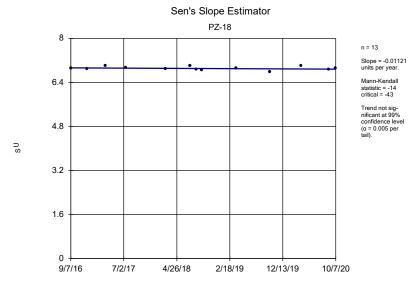


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

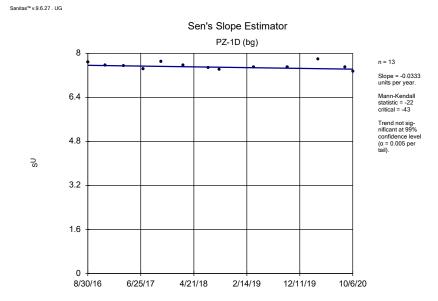
Sen's Slope Estimator PZ-19 Slope = 0.009125 units per year. Mann-Kendall 5.6 critical = 48 Trend not sig-nificant at 99% confidence level 4.2 (α = 0.005 per tail). S 2.8 1.4 9/7/16 7/2/17 4/26/18 2/18/19 12/13/19 10/7/20

Sanitas™ v.9.6.27 . UG

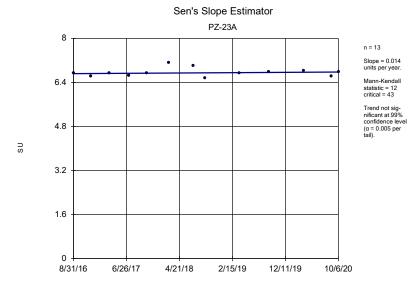
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: pH Analysis Run 12/8/2020 1:47 PM View: Appendix III
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



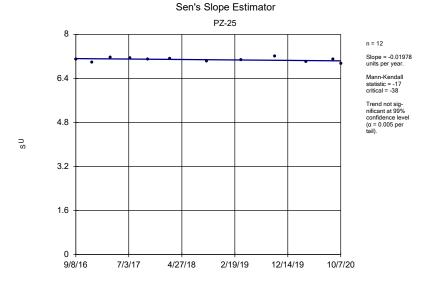
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



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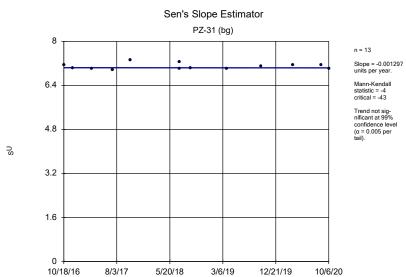
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



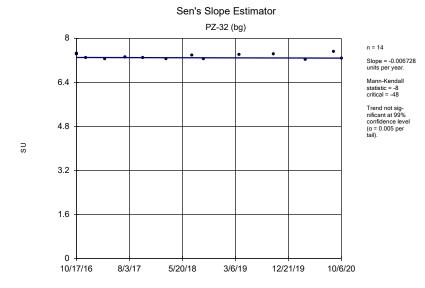


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

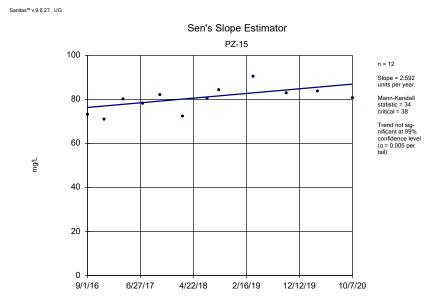




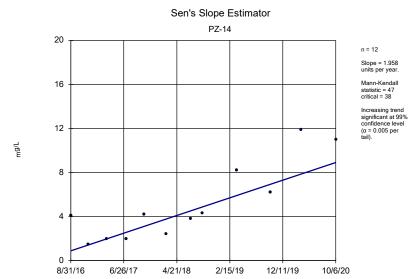
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



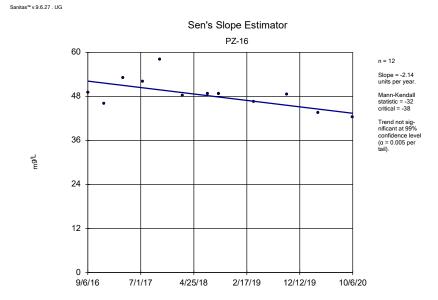
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



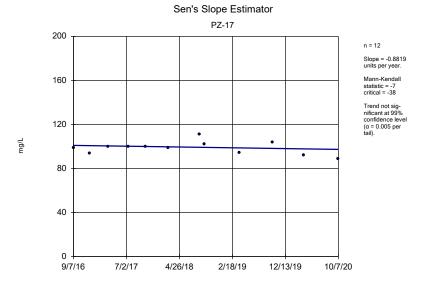
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
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Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

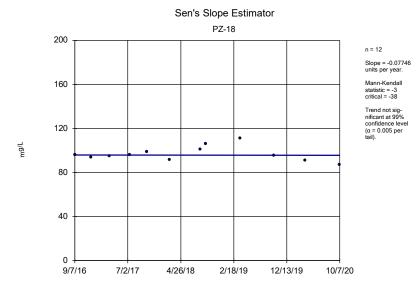


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

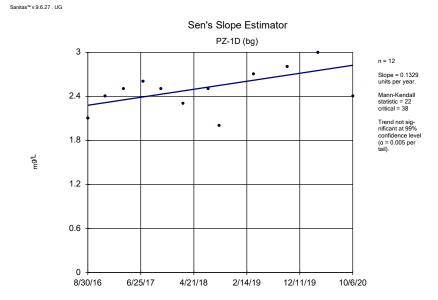
Sen's Slope Estimator PZ-19 100 n = 12 Slope = -0.9091 units per year. Mann-Kendall 80 statistic = -21 critical = -38 Trend not sig-nificant at 99% confidence level 60 (α = 0.005 per tail). mg/L 40 20 9/7/16 7/2/17 4/26/18 2/18/19 12/13/19 10/7/20

Sanitas™ v.9.6.27 . UG

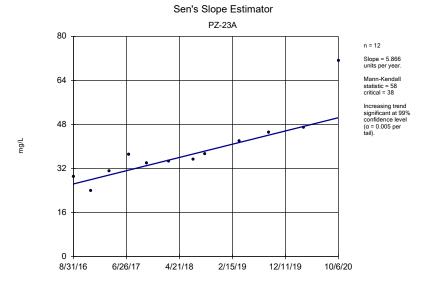
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator PZ-2D (bg) n = 12 Slope = -0.8052 units per year. Mann-Kendall statistic = -26 critical = -38 Trend not significant at 99% confidence level (a = 0.005 per tail).

Sanitas™ v.9.6.27 . UG

4/12/18

10/10/18

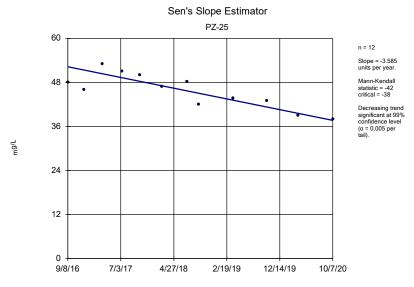
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

10/8/19

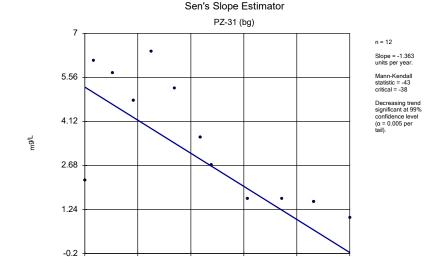
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Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Sanitas™ v.9.6.27 . UG

Constituent: Sulfate Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

3/6/19

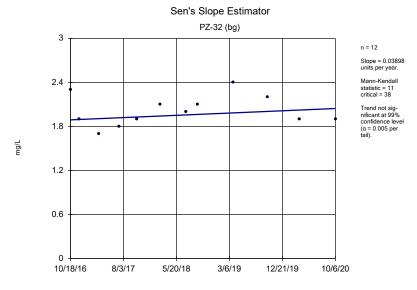
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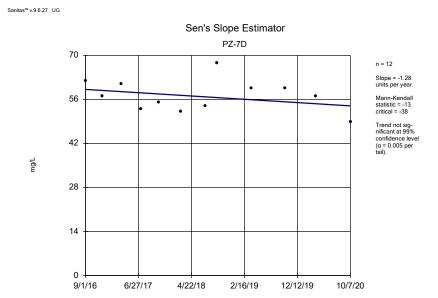
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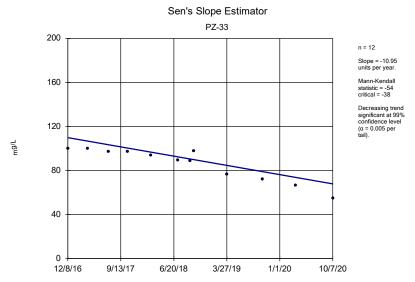
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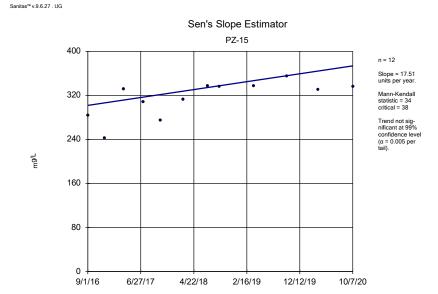
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



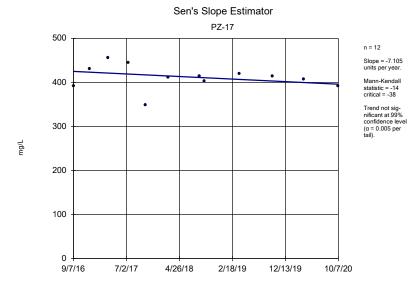
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



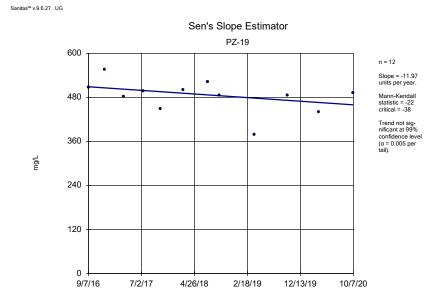
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



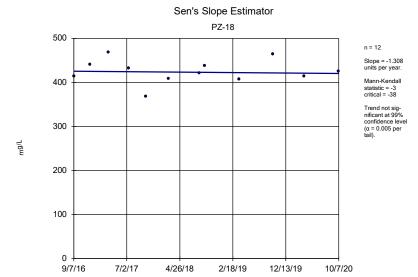
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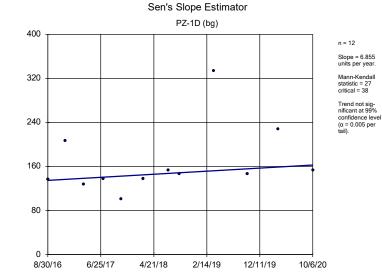
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



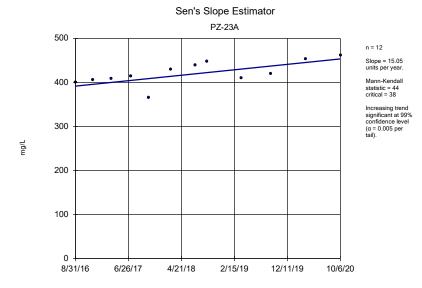
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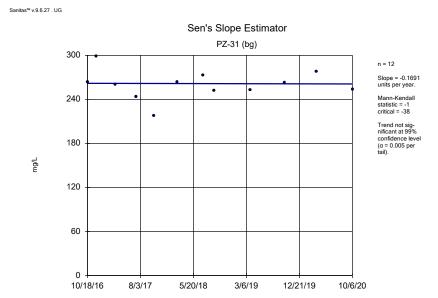
mg/L



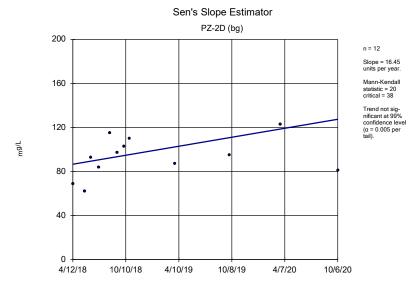
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: TDS Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

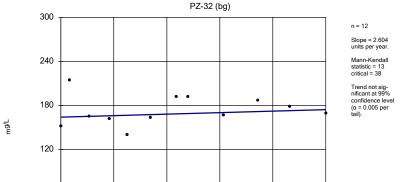


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: TDS Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator



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10/18/16

8/3/17

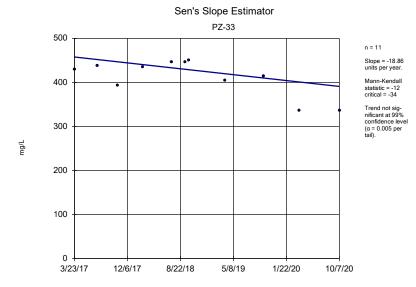
Constituent: TDS Analysis Run 12/8/2020 1:47 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

3/6/19

12/21/19

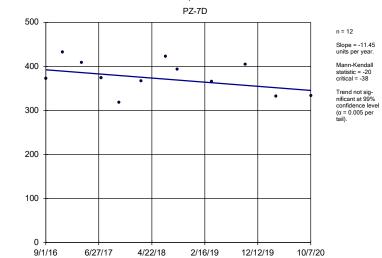
10/6/20

5/20/18



Constituent: TDS Analysis Run 12/8/2020 1:48 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator



mg/L

Constituent: TDS Analysis Run 12/8/2020 1:48 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE F.

Upper Tolerance Limit

		Plant Mitchell Clie	nt: Southern Co	mpany	Data: Mitchell Ash	Pond	CCR	Printed 12	2/8/2020, 3:30 PM		
Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig.	Bg N	%NDs	Transform	<u>Alpha</u>	Method
Antimony (mg/L)	n/a	0.0035	n/a	n/a	n/a	n/a	48	54.17	n/a	0.08526	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	44	86.36	n/a	0.1047	NP Inter(NDs)
Barium (mg/L)	n/a	0.05872	n/a	n/a	n/a	n/a	48	2.083	ln(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	36	94.44	n/a	0.1578	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	36	100	n/a	0.1578	NP Inter(NDs)
Chromium (mg/L)	n/a	0.011	n/a	n/a	n/a	n/a	48	25	n/a	0.08526	NP Inter(normality)
Cobalt (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	48	95.83	n/a	0.08526	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.783	n/a	n/a	n/a	n/a	46	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.29	n/a	n/a	n/a	n/a	52	42.31	n/a	0.06944	NP Inter(normality)
Lead (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	48	77.08	n/a	0.08526	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	n/a	48	81.25	n/a	0.08526	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	40	90	n/a	0.1285	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	48	79.17	n/a	0.08526	NP Inter(NDs)
Selenium (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	48	100	n/a	0.08526	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	48	87.5	n/a	0.08526	NP Inter(NDs)

FIGURE G.

PLANT MITCHELL ASH POND GWPS										
Constituent Name	MCL	Background Limit	GWPS							
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	0.059	2							
Beryllium, Total (mg/L)	0.004	0.003	0.004							
Cadmium, Total (mg/L)	0.005	0.0025	0.005							
Chromium, Total (mg/L)	0.1	0.011	0.1							
Cobalt, Total (mg/L)	n/a	0.005	0.005							
Combined Radium, Total (pCi/L)	5	1.8	5							
Fluoride, Total (mg/L)	4	0.29	4							
Lead, Total (mg/L)	n/a	0.005	0.005							
Lithium, Total (mg/L)	n/a	0.03	0.03							
Mercury, Total (mg/L)	0.002	0.0005	0.002							
Molybdenum, Total (mg/L)	n/a	0.01	0.01							
Selenium, Total (mg/L)	0.05	0.01	0.05							
Thallium, Total (mg/L)	0.002	0.001	0.002							

^{*}MCL = Maximum Contaminant Level

FIGURE H.

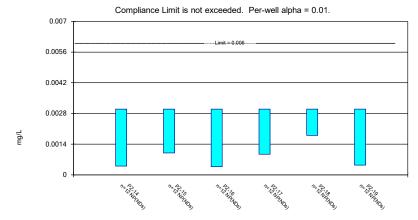
Confidence Intervals Summary - All Results (No Significant)

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 4:07 PM Constituent <u>Well</u> $\underline{\text{Compliance Sig. N}}$ Mean Std. Dev. %NDs ND Adj. Transform Alpha Method Upper Lim. Lower Lim. NP (NDs) PZ-14 0.003 0.0004 12 0.002783 0.0007506 91.67 None Antimony (mg/L) No No 0.01 Antimony (mg/L) 83.33 None PZ-15 0.003 0.001 0.006 No 12 0.002635 0.0008563 No 0.01 NP (NDs) PZ-16 0.003 12 0.002781 0.0007592 NP (NDs) Antimony (ma/L) 0.00037 0.006 No 91.67 None 0.01 No Antimony (mg/L) P7-17 0.003 0.00094 0.006 No 12 0.002629 0.0008689 83.33 None No 0.01 NP (NDs) Antimony (mg/L) PZ-18 0.003 0.0018 0.006 No 12 0.002767 0.0005516 0.01 NP (NDs) 83.33 None No No Antimony (mg/L) PZ-19 0.003 0.00044 12 0.002787 0.000739 0.01 NP (NDs) 0.006 91.67 None No PZ-23A 0.003 0.00038 12 0.002782 0.0007563 NP (NDs) Antimony (mg/L) 0.006 No 91.67 None No 0.01 Antimony (mg/L) PZ-33 0.003 0.00037 0.006 No 12 0.002781 0.0007592 No 0.01 NP (NDs) 0.002335 Antimony (mg/L) PZ-7D 0.003 0.00031 0.006 No 12 0.001203 75 None Nο 0.01 NP (NDs) Barium (mg/L) PZ-14 0.03714 0.01838 2 No 0.02816 0.01364 None sqrt(x) 0.01 PZ-15 0.07246 0.04991 No 12 0.06183 Barium (mg/L) 2 0.0165 0 None In(x) 0.01 Param. PZ-16 2 No 12 0.04591 Barium (mg/L) 0.0689 0.034 0.01408 0 0.01 NP (normality) PZ-17 2 0.07719 0 Barium (mg/L) 0.08083 0.07355 No 12 0.004635 0.01 Param. None No Barium (mg/L) PZ-18 0.0513 0.023 2 No 12 0.03133 0.01488 None No NP (normality) P7-19 Barium (mg/L) 0.06019 0.0528 2 Nο 12 0.05649 0.004707 n None Nο 0.01 Param Barium (mg/L) 0.03699 2 No 0.04593 0.01139 No 0.01 None Barium (mg/L) P7-25 0.11 0.0997 2 Nο 12 0.1034 0.005199 0 None Nο 0.01 NP (normality) Barium (mg/L) PZ-33 0.07679 0.05702 2 No 11 0.06691 0.01186 0 0.01 Param. None No Barium (mg/L) P7-7D 0.01075 0.007288 2 No 12 0.009017 0.002203 0 None No 0.01 Chromium (ma/L) P7-14 0.01 0.0011 0.1 No 12 0.007782 0.004014 75 No 0.01 NP (NDs) None Chromium (mg/L) PZ-16 0.01 8000.0 0.1 Nο 12 0.006209 0.004689 58.33 None Nο 0.01 NP (NDs) Chromium (mg/L) PZ-18 0.01 12 0.009213 NP (NDs) 0.00056 0.1 No 0.002725 91.67 None No 0.01 Chromium (mg/L) PZ-19 0.01 0.00073 0.1 No 12 0.009227 0.002676 0.01 NP (NDs) 91.67 None No 0.01 0.0012 No 0.003933 0.003761 NP (normality) Chromium (mg/L) PZ-23A 0.1 12 25 None No 0.01 Chromium (mg/L) PZ-33 0.01 0.0017 0.1 No 12 0.009308 0.002396 91.67 None 0.01 NP (NDs) Chromium (ma/L) PZ-7D 0.01 0.0005 0.1 No 12 0.004875 0.004575 41.67 None 0.01 NP (normality) Nο Cobalt (mg/L) P7-14 0.005 0.002 0.005 No 12 0.004358 0.001542 0.01 NP (NDs) 83.33 None No 0.003167 Cobalt (mg/L) PZ-15 0.005 0.0004 12 0.002275 NP (NDs) 0.005 No 58.33 None 0.01 No Cobalt (mg/L) PZ-16 0.005 0.0005 12 0.004625 0.001299 NP (NDs) 0.005 No 0.01 PZ-17 0.005 12 0.002802 NP (normality) Cobalt (mg/L) 0.0005 0.005 No 0.002303 50 None No 0.01 Cobalt (mg/L) PZ-18 0.005 0.0011 0.005 No 12 0.004675 0.001126 None NP (NDs) P7-19 0.005 0.0012 Nο 0.004342 0.001539 0.01 NP (NDs) Cobalt (mg/L) 0.005 12 83.33 None Nο Cobalt (mg/L) PZ-23A 0.005 0.00058 0.005 No 0.003529 0.002175 None No 0.01 NP (NDs) Cobalt (mg/L) PZ-25 0.0018 0.0008 12 0.001496 0.001162 0.01 NP (normality) 0.005 No 8.333 None Nο Cobalt (mg/L) PZ-33 0.005 0.00053 0.005 No 12 0.003152 0.002146 50 No 0.01 NP (normality) None Combined Radium 226 + 228 (pCi/L) PZ-14 1.152 0.3085 5 No 12 0.7628 0.6096 0 None sqrt(x) 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-15 1.172 0.6466 5 Nο 12 0.9188 0.3714 None sqrt(x) 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-16 0.9753 0.4541 5 Nο 12 0.7147 0.3321 0 None No 0.01 Param. Combined Radium 226 + 228 (pCi/L) 1.35 5 No 0 PZ-17 0.6643 11 1.007 0.4112 0.01 Param. None No Combined Radium 226 + 228 (pCi/L) PZ-18 1.432 0.4765 5 No 10 0.9541 0.5353 0 None 0.01 Param. No Combined Radium 226 + 228 (pCi/L) PZ-19 1.473 0.7657 5 No 12 1.119 0.4508 0 0.01 Param. None No Combined Radium 226 + 228 (pCi/L) P7-23A 1.326 0.766 5 No 12 1.046 0.3565 0 None No 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-25 1.287 0.841 5 No 12 1.064 0.2843 0 0.01 Param. No None Combined Radium 226 + 228 (pCi/L) PZ-33 1.106 0.5856 5 No 12 0.846 0.3319 0 0.01 Param. None No Combined Radium 226 + 228 (pCi/L) 12 0 PZ-7D 0.6563 0.1595 5 No 0.4285 0.3741 0.01 Param. None sart(x) PZ-14 0.11 0.05 4 No 13 0.08892 0.02636 NP (NDs) Fluoride (mg/L) None No 0.01 Fluoride (mg/L) PZ-15 0.1387 0.07074 4 No 13 0.1118 0.05007 0.01 Param. 23.08 Kaplan-Meier sqrt(x) Fluoride (mg/L) PZ-16 0.1 0.05 No 13 0.08177 0.02548 53.85 Kaplan-Meier NP (NDs) 4 0.01 Fluoride (ma/L) PZ-17 0.1562 0.05733 4 Nο 13 0.1289 0.06857 30.77 Kaplan-Meier 0.01 Param. Nο 0.05633 13 Fluoride (mg/L) PZ-18 0.1194 4 No 0.103 0.03767 Kaplan-Meier 0.01 0.1462 0.06916 4 Nο 13 0.1216 0.08232 Fluoride (mg/L) PZ-19 15.38 Kaplan-Meier In(x) 0.01 Param. Fluoride (mg/L) PZ-23A 0.101 0.04841 No 13 0.1009 0.06622 Kaplan-Meier ln(x) 0.01 Param. Fluoride (mg/L) PZ-25 0.2679 0.1614 4 Nο 13 0.2146 0.0716 0 None Nο 0.01 Param. PZ-33 No Fluoride (mg/L) 0.18 0.06 4 13 0.1076 0.04758 None NP (NDs) P7-7D 0.15 0.041 4 Nο 0.08815 0.03377 61.54 None 0.01 NP (NDs) Fluoride (ma/L) 13

Confidence Intervals Summary - All Results (No Significant)

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 12/8/2020, 4:07 PM Constituent <u>Well</u> $\underline{\text{Compliance Sig. N}}$ Mean Std. Dev. %NDs ND Adj. Transform Alpha Method Upper Lim. Lower Lim. PZ-15 0.005 0.00005 0.005 No 12 0.004587 0.001429 91.67 None 0.01 NP (NDs) Lead (mg/L) No 0.000081 Lead (mg/L) PZ-16 0.005 0.005 No 12 0.00459 0.00142 91.67 None No 0.01 NP (NDs) PZ-18 0.005 0.00043 12 0.004206 0.001856 NP (NDs) Lead (mg/L) 0.005 No 83.33 None 0.01 No 91.67 None Lead (mg/L) PZ-19 0.005 0.000042 0.005 No 12 0.004587 0.001431 No 0.01 NP (NDs) Lead (mg/L) PZ-23A 0.005 0.00015 0.005 No 12 0.004183 0.001908 0.01 NP (NDs) 83.33 None No 83.33 None Lead (mg/L) PZ-33 0.005 0.00009 0.005 12 0.004178 0.00192 0.01 NP (NDs) No No Lithium (mg/L) PZ-14 0.03 0.003 12 0.02775 0.007794 NP (NDs) 0.03 No 91.67 None No 0.01 Lithium (mg/L) PZ-15 0.03 0.0012 0.03 No 12 0.01324 0.01479 41.67 None No 0.01 NP (normality) 0.03 Lithium (mg/L) PZ-17 0.002 0.03 No 12 0.00705 0.01073 16.67 None Nο 0.01 NP (normality) Lithium (mg/L) PZ-18 0.03 0.0024 0.03 No 0.007217 0.01064 None NP (normality) PZ-19 0.01467 12 0.01208 0 Param. Lithium (mg/L) 0.009498 0.03 No 0.003295 None Nο 0.01 PZ-23A 0.03 0.0011 12 0.02276 0.01309 NP (NDs) Lithium (mg/L) 0.03 No 75 0.01 Lithium (mg/L) 0.005958 PZ-25 0.006773 0.005229 No 12 0.001097 0 x^2 0.01 Param. 0.03 None Lithium (mg/L) PZ-7D 0.0038 0.0022 0.03 12 0.005083 0.007865 No NP (normality) P7-14 Mercury (mg/L) 0.0005 0.00015 0.002 No 10 0.000422 0.0001655 80 None Nο 0.011 NP (NDs) Mercury (mg/L) PZ-15 0.0005 0.0005 0.002 No 0.0004597 0.0001274 No 0.011 NP (NDs) None 0.011 NP (NDs) Mercury (mg/L) P7-16 0.0005 0.0005 0.002 No 10 0.0004568 0.0001366 90 None Nο No 10 Mercury (mg/L) PZ-17 0.0005 0.0005 0.002 0.0004586 0.0001309 0.011 NP (NDs) 90 None No Mercury (mg/L) PZ-18 0.0005 0.0005 0.002 No 10 0.0004557 0.0001401 90 None No 0.011 NP (NDs) Mercury (ma/L) PZ-19 0.0005 0.0001 0.002 No 10 0.0004145 0.0001807 80 No 0.011 NP (NDs) None Mercury (mg/L) PZ-23A 0.0005 0.00017 0.002 No 10 0.000426 0.0001571 80 None Nο 0.011 NP (NDs) 0.0005 0.0005 10 0.011 NP (NDs) Mercury (mg/L) PZ-25 0.002 No 0.0004553 0.0001414 90 No None Mercury (mg/L) PZ-33 0.0005 0.000043 0.002 No 10 0.0003694 0.0002111 No 0.011 NP (NDs) 70 None Mercury (mg/L) 0.0005 0.00006 0.0004113 0.000187 0.011 NP (NDs) PZ-7D 0.002 No 10 80 None No Molybdenum (mg/L) PZ-14 0.01 0.0005 0.01 No 0.009208 0.002742 91.67 None No 0.01 NP (NDs) Molybdenum (mg/L) PZ-15 0.01 0.0004 0.01 No 12 0.0092 0.002771 91.67 None 0.01 NP (NDs) Nο Molybdenum (mg/L) PZ-16 0.01 0.0004 0.01 No 12 0.0092 0.002771 91.67 None 0.01 NP (NDs) No 0.002771 PZ-17 0.01 0.0004 12 0.0092 NP (NDs) Molybdenum (mg/L) 0.01 No 91.67 None 0.01 No Molybdenum (mg/L) PZ-19 0.0027 0.002 12 0.002883 0.002252 NP (normality) 0.01 8.333 None 0.01 PZ-23A 0.01 0.0011 12 0.008475 0.003563 NP (NDs) Molybdenum (mg/L) 0.01 No 83.33 None No 0.01 Molybdenum (mg/L) PZ-25 0.01 0.001 0.01 No 12 0.00925 0.002598 91.67 None NP (NDs) P7-14 0.01 0.0015 Nο 0.008558 0.003368 0.01 NP (NDs) Selenium (mg/L) 0.05 12 83.33 None Nο Selenium (mg/L) PZ-15 0.01 0.0018 0.05 No 0.009317 0.002367 91.67 None No NP (NDs) PZ-19 0.01 0.0016 No 12 0.006925 0.003847 0.01 NP (NDs) Selenium (mg/L) 0.05 58.33 None Nο Selenium (mg/L) PZ-23A 0.01 0.0018 0.05 No 12 0.006792 0.003986 58.33 None No 0.01 NP (NDs) Selenium (mg/L) PZ-7D 0.01 0.0018 0.05 No 12 0.008625 0.003211 83.33 None Nο 0.01 NP (NDs) Thallium (mg/L) PZ-14 0.001 0.00006 0.002 No 12 0.0009217 0.0002714 91.67 None No 0.01 NP (NDs) Thallium (mg/L) PZ-15 0.001 0.00016 0.002 No 12 0.0007325 0.0003963 66.67 None No 0.01 NP (NDs) 0.001 0.00017 NP (normality) Thallium (mg/L) PZ-16 0.002 No 12 0.0005836 0.0004366 No 0.01 50 None Thallium (mg/L) PZ-17 0.001 0.0002 0.002 No 0.0007358 0.0003907 66.67 None No 0.01 NP (NDs) Thallium (mg/L) PZ-18 0.001 0.00005 0.002 No 0.0007634 0.000428 0.01 NP (NDs) 75 None No Thallium (mg/L) PZ-19 0.0007625 0.0004325 0.002 No 12 0.0005975 0.0002103 8.333 None No 0.01 Thallium (mg/L) PZ-23A 0.001 0.00015 0.002 No 12 0.0004625 0.0004001 0.01 NP (normality) 33.33 None No Thallium (mg/L) PZ-25 0.001 0.00027 0.002 No 12 0.0007708 0.0003403 66.67 None No 0.01 NP (NDs) PZ-33 NP (NDs) Thallium (mg/L) 0.001 0.0001 0.002 No 12 0.0006358 0.0004506 0.01 58.33 None No Thallium (mg/L) PZ-7D 0.001 0.000085 0.002 12 0.0006303 0.0004579 58.33 None 0.01 NP (NDs)

Non-Parametric Confidence Interval

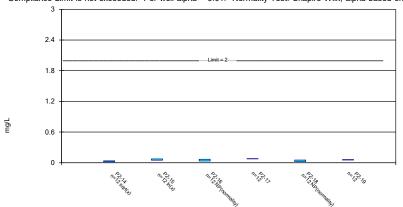


Constituent: Antimony Analysis Run 12/8/2020 4:04 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

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.

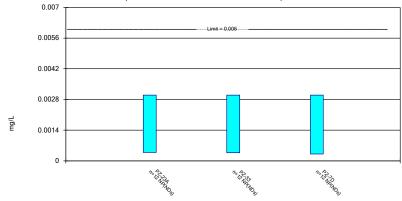


Constituent: Barium Analysis Run 12/8/2020 4:04 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



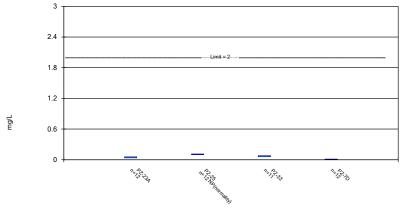
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

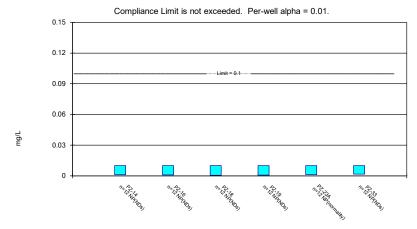
Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

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.



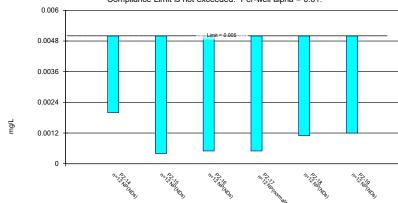
Non-Parametric Confidence Interval



Constituent: Chromium Analysis Run 12/8/2020 4:05 PM Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

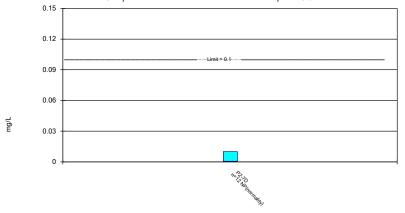
Non-Parametric Confidence Interval Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 12/8/2020 4:05 PM 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 12/8/2020 4:05 PM Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

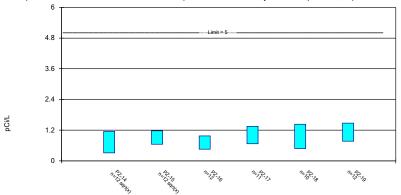
Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval



Parametric Confidence Interval

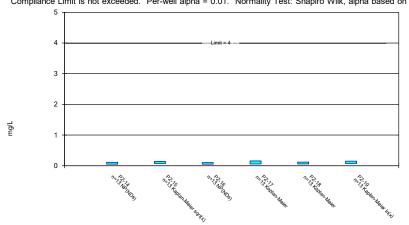
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2020 4:05 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

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.

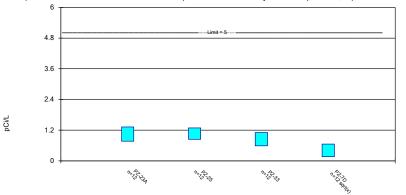


Constituent: Fluoride Analysis Run 12/8/2020 4:05 PM

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.

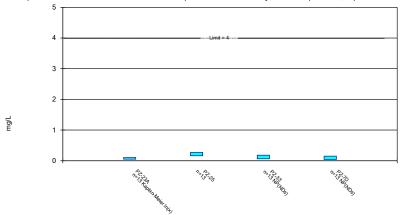


Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2020 4:05 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

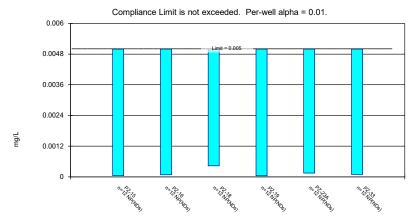
Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

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.





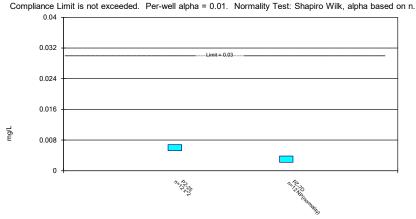


Constituent: Lead Analysis Run 12/8/2020 4:05 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

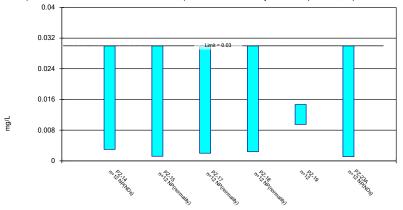


Constituent: Lithium Analysis Run 12/8/2020 4:05 PM

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.

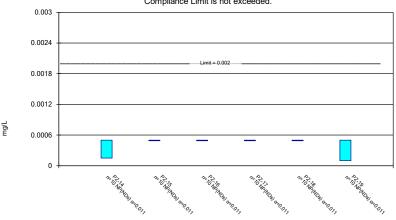


Constituent: Lithium Analysis Run 12/8/2020 4:05 PM

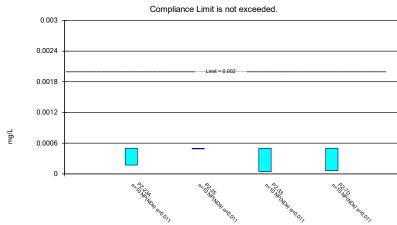
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval Compliance Limit is not exceeded.



Non-Parametric Confidence Interval



Constituent: Mercury Analysis Run 12/8/2020 4:05 PM

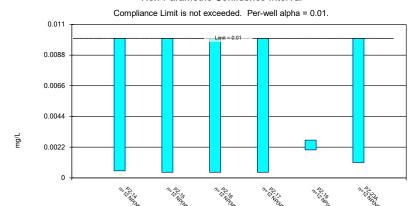
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval



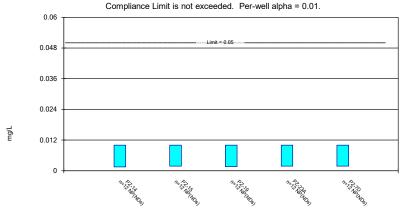
Non-Parametric Confidence Interval



Constituent: Molybdenum Analysis Run 12/8/2020 4:05 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

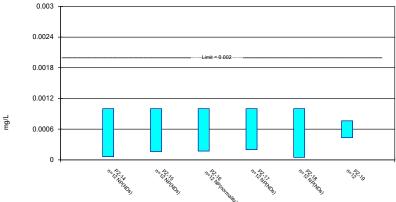
Non-Parametric Confidence Interval



Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

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.

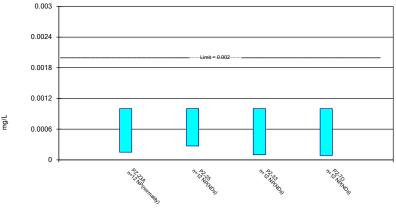


Constituent: Thallium Analysis Run 12/8/2020 4:05 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 12/8/2020 4:05 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

GROUNDWATER STATS CONSULTING

SWFPR

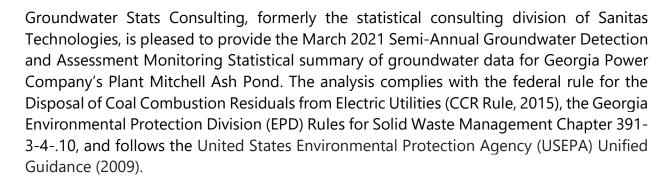
July 27, 2021

Southern Company Services Attn: Mr. Joju Abraham 241 Ralph McGill Blvd NE, Bin 10160 Atlanta, Georgia 30308-3374

Re: Plant Mitchell Ash Pond

March 2021 Semi-Annual Statistical Analysis

Dear Mr. Abraham,



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:

- o **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, and PZ-33

Note that well PZ-23 was abandoned and was replaced with well PZ-23A. Since the new well PZ-23A was installed in close proximity to well PZ-23, the data from the two wells were combined. Well PZ-23A was first sampled during the March 2020 event.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting.

The 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. Additionally, when Appendix IV constituents are not detected during a scheduled Scan event, no statistical analyses are required during the semi-annual sample event. During the annual Scan event conducted in August 2020, arsenic, beryllium, and cadmium were not detected; therefore, they were not required to be sampled during the March 2021 event. Those three constituents were included on time series and box plots, but were not included in statistical analyses. For all constituents, a substitution of the most recent reporting limit is used for non-detect data.

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 boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- 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 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 Background Screening – Conducted in March 2019

Outlier and Trend Testing

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 are 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 are 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.

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.

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 sets.

<u>Appendix III – Determination of Spatial Variation</u>

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 will be used for all Appendix III constituents in accordance with Georgia EPD requirements.

Statistical Analysis of Appendix III Parameters - March 2021 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, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2021 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs).

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-14, PZ-17, PZ-18, PZ-19, PZ-23A, and PZ-7D

Chloride: PZ-15, PZ-16, PZ-18, and PZ-23A
 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-17, PZ-18, PZ-19, PZ-23A, and PZ-7D

Note that while the Sanitas software did not identify an exceedance of boron in well PZ-14 because the measurement was a reported trace (or estimated) value, the concentration of 0.028(J) mg/L slightly exceeded its respective prediction limit of 0.027 mg/L. When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (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 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-14, PZ-18, and PZ-31 (upgradient)

Sulfate: PZ-14 and PZ-23A

TDS: PZ-23A

Decreasing:

• Boron: PZ-7D

• Chloride: PZ-16, PZ-31 (upgradient)

• Sulfate: PZ-16, PZ-25, PZ-31 (upgradient), and PZ-33

Statistical Analysis of Appendix IV Parameters – March 2021 Sample Event

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 that have 100% ND or trace values below the reporting limits 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).

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through March 2021 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. The background limits were then used when determining the

groundwater protection standard (GWPS) under Georgia EPD Rule 391-3-4-.10(6)(a). As described in 40 CFR §257.95(h) (1-3), the GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

Following Georgia EPD Rule requirements, GWPS were established for statistical comparison of Appendix IV constituents for the March 2021 sample event according to the state rules (Figure G). To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in accordance with the state requirements in each downgradient well (Figure H). As mentioned above, arsenic, beryllium, and cadmium did not require 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). 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 Groundwater Statistician

Kristina Rayner

100% Non-Detects

Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals 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		• • • • • • • • • • • • • • • • • • • •			·.g			0 01.10					
	Plant	Mitchell CI	ient: Southeri	n Company	Data: Mito	hell Ash Po	ond CCR	Printed 3/29/	/2021, 1	:59 PM			
Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig. Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02674	n/a	3/4/2021	0.16	Yes 52	-4.33	0.3495	3.846	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02674	n/a	3/4/2021	0.2	Yes 52	-4.33	0.3495	3.846	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02674	n/a	3/4/2021	0.22	Yes 52	-4.33	0.3495	3.846	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02674	n/a	3/4/2021	0.37	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02674	n/a	3/3/2021	0.5	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02674	n/a	3/3/2021	0.16	Yes 52	-4.33	0.3495	3.846	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02674	n/a	3/3/2021	0.2	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02674	n/a	3/4/2021	0.34	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02674	n/a	3/4/2021	0.2	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	108.3	n/a	3/3/2021	114	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	108.3	n/a	3/4/2021	113	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	108.3	n/a	3/4/2021	138	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	108.3	n/a	3/3/2021	142	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	108.3	n/a	3/3/2021	154	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	108.3	n/a	3/4/2021	122	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.635	n/a	3/4/2021	6.3	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.635	n/a	3/4/2021	5.9	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.635	n/a	3/4/2021	5.1	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.635	n/a	3/3/2021	4.7	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-18	9.48	6.96	3/4/2021	6.91	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	3/3/2021	6.78	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	3/3/2021	6.79	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	3/4/2021	6.95	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	6.62	n/a	3/3/2021	8.8	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.62	n/a	3/4/2021	74.1	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.62	n/a	3/4/2021	38.9	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.62	n/a	3/4/2021	66.8	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.62	n/a	3/4/2021	88.6	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.62	n/a	3/3/2021	80.8	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.62	n/a	3/3/2021	66	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.62	n/a	3/3/2021	39.2	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.62	n/a	3/4/2021	49.3	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.62	n/a	3/4/2021	49.7	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	311.1	n/a	3/4/2021	325	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	311.1	n/a	3/4/2021	427	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	311.1	n/a	3/3/2021	452	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	311.1	n/a	3/3/2021	444	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	311.1	n/a	3/4/2021	335	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Data: Mitchell Ash Pond CCR Client: Southern Company Constituent <u>Well</u> Sig. Bg N Bg Mean Std. Dev. %NDs ND Adj. Upper Lim. Lower Lim. Date Observ. Transform Alpha Method PZ-14 0.0007523 Param Inter 1 of 2 0.02674 3/3/2021 0.028J -4.33 0.3495 3.846 None Boron (mg/L) n/a No 52 In(x) 0.02674 3/4/2021 Boron (mg/L) PZ-15 0.16 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Boron (ma/L) PZ-16 0.02674 n/a 3/4/2021 0.2 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Boron (mg/L) PZ-17 0.02674 n/a 3/4/2021 0.22 Yes 52 0.3495 0.0007523 Param Inter 1 of 2 In(x) Boron (mg/L) P7-18 0.02674 n/a 3/4/2021 0.37 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 PZ-19 0.02674 3/3/2021 0.5 Yes 52 -4.33 0.3495 3.846 None 0.0007523 Param Inter 1 of 2 Boron (mg/L) n/a In(x) None Boron (mg/L) PZ-23A 0.02674 n/a 3/3/2021 0.16 Yes 52 -4.33 0.3495 3.846 In(x) 0.0007523 Param Inter 1 of 2 -4.33 0.0007523 Param Inter 1 of 2 PZ-25 0.02674 n/a 3/3/2021 0.2 Yes 52 0.3495 3.846 Boron (ma/L) None In(x) Boron (mg/L) PZ-33 0.02674 n/a 3/4/2021 0.34 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Boron (ma/L) PZ-7D 0.02674 n/a 3/4/2021 0.2 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-14 108.3 n/a 3/3/2021 114 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) P7-15 108.3 n/a 3/4/2021 107 No. 51 55.76 25.87 1 961 None Nο 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-16 108.3 n/a 3/4/2021 90.9 No 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) P7-17 108.3 n/a 3/4/2021 113 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 3/4/2021 55.76 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-18 108.3 n/a 138 Yes 51 25.87 1.961 None No 3/3/2021 Calcium (mg/L) PZ-19 108.3 n/a 142 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 154 Calcium (mg/L) PZ-23A 108.3 n/a 3/3/2021 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-25 108.3 n/a 3/3/2021 96.8 No 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) P7-33 108.3 n/a 3/4/2021 106 No. 51 55.76 25.87 1 961 None Nο 0.0007523 Param Inter 1 of 2 PZ-7D 108.3 3/4/2021 122 Yes 51 55.76 25.87 1.961 0.0007523 Param Inter 1 of 2 Calcium (mg/L) n/a None No Chloride (mg/L) P7-14 4.635 n/a 3/3/2021 42 No 52 1.758 0.1947 Ω sqrt(x) 0.0007523 Param Inter 1 of 2 None 3/4/2021 0.0007523 Param Inter 1 of 2 PZ-15 4.635 6.3 Yes 52 1.758 0.1947 0 Chloride (mg/L) n/a None sqrt(x) Chloride (mg/L) PZ-16 4.635 n/a 3/4/2021 5.9 Yes 52 1.758 0.1947 0 None sqrt(x) 0.0007523 Param Inter 1 of 2 0.0007523 Param Inter 1 of 2 Chloride (mg/L) PZ-17 3/4/2021 4.2 0.1947 0 sqrt(x) 4.635 n/a No 52 1.758 None Chloride (mg/L) PZ-18 4.635 n/a 3/4/2021 5.1 Yes 52 1.758 0.1947 None sqrt(x) 0.0007523 Param Inter 1 of 2 Chloride (mg/L) P7-19 4 635 n/a 3/3/2021 4 No. 52 1 758 0 1947 Ω None sart(x) 0.0007523 Param Inter 1 of 2 PZ-23A 4.635 3/3/2021 4.7 Yes 52 1.758 0.1947 0 0.0007523 Param Inter 1 of 2 Chloride (mg/L) n/a None sqrt(x) Chloride (mg/L) n/a P7-25 4.635 3/3/2021 16 No 52 1 758 0 1947 Ω 0.0007523 Param Inter 1 of 2 None sqrt(x) Chloride (mg/L) PZ-33 4.635 3/4/2021 No 52 1.758 0.1947 0 0.0007523 Param Inter 1 of 2 n/a 1.8 None sqrt(x) 0.1947 Chloride (mg/L) PZ-7D 4.635 3/4/2021 No 52 0 0.0007523 Param Inter 1 of 2 n/a 4 1.758 None sqrt(x) 0.1ND 46.43 0.0006023 NP Inter (normality) 1 of 2 PZ-14 3/3/2021 No 56 Fluoride (mg/L) 0.29 n/a n/a n/a n/a n/a Fluoride (mg/L) PZ-15 0.29 n/a 3/4/2021 0.1ND No 56 n/a n/a 46 43 n/a 0.0006023 NP Inter (normality) 1 of 2 0.0006023 NP Inter (normality) 1 of 2 Fluoride (ma/L) P7-16 0.29 n/a 3/4/2021 0 1ND Nο 56 n/a n/a 46 43 n/a n/a 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) PZ-17 0.29 n/a 3/4/2021 0.1ND No 56 n/a 46.43 n/a Fluoride (mg/L) P7-18 0.29 n/a 3/4/2021 0 1ND Nο 56 n/a n/a 46.43 n/a n/a 0.0006023 NP Inter (normality) 1 of 2 3/3/2021 0.0006023 NP Inter (normality) 1 of 2 PZ-19 0.29 0.058J No 56 n/a 46.43 n/a Fluoride (mg/L) n/a n/a n/a PZ-23A 0.29 3/3/2021 0.1ND No 46 43 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) n/a 56 n/a n/a n/a n/a 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) PZ-25 0.29 n/a 3/3/2021 0.12 No 56 n/a n/a 46.43 n/a n/a PZ-33 3/4/2021 0.1ND 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) 0.29 n/a No 56 n/a n/a 46.43 n/a n/a 46.43 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) PZ-7D 0.29 n/a 3/4/2021 0.1ND No 56 n/a n/a n/a n/a pH (SU) PZ-14 9.48 6.96 3/3/2021 6.99 No 52 n/a n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-15 9.48 6.96 3/4/2021 7.09 No 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 PZ-16 6.96 3/4/2021 0.001376 NP Inter (normality) 1 of 2 pH (SU) 9.48 7.34 No 52 0 n/a n/a n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-17 9.48 6.96 3/4/2021 7.09 No 52 0 n/a n/a n/a n/a 0.001376 NP Inter (normality) 1 of 2 9.48 6.96 3/4/2021 6.91 0 n/a pH (SU) PZ-18 Yes 52 n/a n/a n/a pH (SU) PZ-19 3/3/2021 6.78 Yes 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) P7-23A 9.48 6.96 3/3/2021 6.79 Yes 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-25 9.48 6.96 3/3/2021 7.04 No 52 n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-33 9.48 6.96 3/4/2021 7.22 No 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 3/4/2021 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-7D 9.48 6.96 6.95 Yes 52 n/a n/a 0 n/a n/a PZ-14 6.62 3/3/2021 8.8 Yes 52 1.415 0.2282 0 x^(1/3) 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) n/a None Sulfate (mg/L) PZ-15 6.62 3/4/2021 74.1 Yes 52 1.415 0.2282 0 $x^{(1/3)}$ 0.0007523 Param Inter 1 of 2 n/a None 6.62 3/4/2021 38.9 0.2282 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) PZ-16 n/a Yes 52 1.415 0 None x^(1/3) Sulfate (mg/L) P7-17 6.62 n/a 3/4/2021 66.8 Yes 52 1.415 0.2282 0 None x^(1/3) 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) PZ-18 6.62 n/a 3/4/2021 88.6 Yes 52 1.415 0.2282 0 x^(1/3) 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) P7-19 6.62 n/a 3/3/2021 80.8 Yes 52 1.415 0.2282 0 x^(1/3) 0.0007523 Param Inter 1 of 2 None PZ-23A 6.62 3/3/2021 Yes 52 0.2282 0.0007523 Param Inter 1 of 2 66 1.415 0 x^(1/3) Sulfate (mg/L) n/a None Sulfate (mg/L) PZ-25 6.62 n/a 3/3/2021 39.2 Yes 52 1.415 0.2282 0 None x^(1/3) 0.0007523 Param Inter 1 of 2 0 0.0007523 Param Inter 1 of 2 PZ-33 6.62 3/4/2021 49.3 Yes 52 0.2282 Sulfate (mg/L) n/a 1.415 None $x^{(1/3)}$ Sulfate (mg/L) PZ-7D 6.62 n/a 3/4/2021 49.7 Yes 52 1.415 0.2282 0 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-14 311.1 n/a 3/3/2021 258 No 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-15 311.1 n/a 3/4/2021 300 No 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-16 311.1 n/a 3/4/2021 264 No 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-17 3/4/2021 325 Yes 52 173.5 67.92 0 0.0007523 Param Inter 1 of 2 311.1 n/a None No 3/4/2021 427 Yes 52 173.5 0 No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-18 311.1 n/a 67.92 None 3/3/2021 PZ-19 452 Yes 52 173.5 67.92 0 0.0007523 Param Inter 1 of 2 TDS (mg/L) 311.1 n/a None No 3/3/2021 No TDS (mg/L) PZ-23A 311.1 n/a 444 Yes 52 173.5 67.92 0 None 0.0007523 Param Inter 1 of 2 267 67.92 0 No TDS (mg/L) PZ-25 311.1 n/a 3/3/2021 No 52 173.5 None 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-33 n/a 3/4/2021 283 52 173.5 67.92 0 No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-7D 311.1 n/a 3/4/2021 335 Yes 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2

Trend Tests - Prediction Limit Exceedances - Significant Results

	Plant Mitchell	Client: Southern Company	Data: Mitchel	Ash Pond	CCR P	rinted -	4/7/202	1, 9:30 <i>A</i>	ΑM			
Constituent	Well		Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	<u>Xform</u>	<u>Alpha</u>	Method
Boron (mg/L)	PZ-7D		-0.04161	-52	-43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-14		4.461	57	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18		5.393	49	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)		2.947	45	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16		-0.328	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)		-0.4113	-53	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14		1.83	55	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16		-2.833	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A		6.884	68	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25		-3.09	-50	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)		-1.26	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33		-11.71	-66	-43	Yes	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A		14.87	50	43	Yes	13	0	n/a	n/a	0.01	NP

Trend Tests - Prediction Limit Exceedances - All Results

	Plant Mitchell	Client: Southern Company	Data: Mitche	ll Ash Pon	d CCR	Printed	4/7/202	1, 9:30	AM			
Constituent	Well		Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	<u>Xform</u>	<u>Alpha</u>	Method
Boron (mg/L)	PZ-14		0.0005318	9	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-15		-0.00655	-22	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16		0.002283	11	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-17		0.000899	3	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18		0.003034	13	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19		-0.02363	-22	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)		0.00004716	1	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A		0	-2	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25		-0.002954	-15	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)		-0.0005962	-12	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)		-0.001685	-31	-43	No	13	7.692	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)		0.0001928	5	43	No	13	7.692	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-33		-0.01081	-42	-53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D		-0.04161	-52	-43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-14		4.461	57	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-17		2.602	29	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18		5.393	49	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-19		1.408	16	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)		1.944	38	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-23A		4.923	37	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)		5.858	32	43	No	13	7.692	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)		2.947	45	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-32 (bg)		1.7	32	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-7D		4.55	41	43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15		-0.1368	-19	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16		-0.328	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18		-0.2815	-42	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-1D (bg)		-0.0626	-22	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-23A		-0.09968	-11	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)		-0.0439	-12	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)		-0.4113	-53	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-32 (bg)		-0.2364	-41	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18		-0.006518	-14	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19		0.009682	15	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)		-0.02468	-19	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A		0.01518	19	48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)		-0.3577	-14	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)		0	0	48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)		-0.004097	-4	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	PZ-7D		0.01185	10	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14		1.83	55	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-15		1.847	28	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16		-2.833	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-17		-2.368	-19	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-18		-1.301	-13	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19		-1.389	-33	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-1D (bg)		0.07697	14	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A		6.884	68	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25		-3.09	-50	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)		-0.8052	-38	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)		-1.26	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-32 (bg)		0.03023	12	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33		-11.71	-66	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D		-1.488	-23	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-17		-11.39	-26	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-18		-0.4574	-1	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19		-12.76	-28	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)		4.77	19	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A		14.87	50	43	Yes	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)		15.92	32	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)		0.3259	3	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)		1.218	11	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D		-11.45	-26	-43	No	13	0	n/a	n/a	0.01	NP
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Upper Tolerance Limits

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 4/6/2021, 11:44 AM %NDs ND Adj. Constituent $\underline{\text{Upper Lim.}} \quad \underline{\text{Lower Lim.}} \quad \underline{\text{Sig.}} \quad \underline{\text{Bg N}}$ Bg Mean Std. Dev. <u>Transform</u> <u>Alpha</u> Method 0.0035 n/a 52 n/a 53.85 0.06944 NP Inter(NDs) Antimony (mg/L) n/a n/a n/a n/a 0.005 n/a 86.36 0.1047 NP Inter(NDs) Arsenic (mg/L) n/a 44 n/a n/a n/a Barium (mg/L) 0.05465 n/a 52 -4.334 0.6953 1.923 None ln(x) 0.05 Inter n/a NP Inter(NDs) Beryllium (mg/L) 0.003 n/a 36 94.44 n/a 0.1578 Cadmium (mg/L) 0.1578 NP Inter(NDs) 0.0025 n/a n/a 36 n/a n/a 100 n/a n/a 0.06944 NP Inter(normality) Chromium (mg/L) 0.011 n/a 52 n/a n/a 25 n/a n/a Cobalt (mg/L) n/a 96.15 n/a 0.06944 NP Inter(NDs) 0.005 n/a n/a 52 n/a n/a Combined Radium 226 + 228 (pCi/L) 1.754 n/a 50 0.7553 0.2755 0 None sqrt(x) 0.05 Inter NP Inter(normality) Fluoride (mg/L) 0.29 n/a 56 n/a 46.43 0.05656 n/a n/a n/a n/a Lead (mg/L) 0.001 n/a 52 75 n/a 0.06944 NP Inter(NDs) Lithium (mg/L) 0.03 0.06944 NP Inter(NDs) n/a n/a 52 n/a n/a 80.77 n/a n/a Mercury (mg/L) 0.0002 n/a 44 90.91 0.1047 NP Inter(NDs) Molybdenum (mg/L) 0.06944 NP Inter(NDs) 0.01 n/a 52 78.85 n/a n/a n/a n/a n/a Selenium (mg/L) 0.005 n/a 52 100 n/a 0.06944 NP Inter(NDs) Thallium (mg/L) 0.001 n/a 52 88.46 n/a 0.06944 NP Inter(NDs) n/a n/a n/a n/a

PLANT MITC	PLANT MITCHELL ASH POND GWPS										
Constituent Name	MCL	Background Limit	GWPS								
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	0.055	2								
Beryllium, Total (mg/L)	0.004	0.003	0.004								
Cadmium, Total (mg/L)	0.005	0.0025	0.005								
Chromium, Total (mg/L)	0.1	0.011	0.1								
Cobalt, Total (mg/L)	n/a	0.005	0.005								
Combined Radium, Total (pCi/L)	5	1.75	5								
Fluoride, Total (mg/L)	4	0.29	4								
Lead, Total (mg/L)	n/a	0.001	0.001								
Lithium, Total (mg/L)	n/a	0.03	0.03								
Mercury, Total (mg/L)	0.002	0.0002	0.002								
Molybdenum, Total (mg/L)	n/a	0.01	0.01								
Selenium, Total (mg/L)	0.05	0.005	0.05								
Thallium, Total (mg/L)	0.002	0.001	0.002								

^{*}MCL = Maximum Contaminant Level

^{*}GWPS = Groundwater Protection Standard

Confidence Intervals - All Results (No Significant)

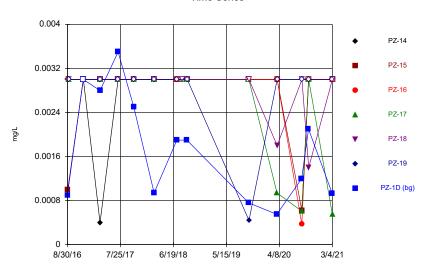
Client: Southern Company Data: Mitchell Ash Pond CCR Printed 4/6/2021, 11:53 AM Std. Dev. Constituent Well Compliance Sig. N %NDs ND Adj Alpha Method Upper Lim. Lower Lim. Mean PZ-14 0.003 0.0004 0.006 0.0028 0.0007211 92.31 NP (NDs) Antimony (mg/L) No 13 None No Antimony (mg/L) PZ-15 0.003 0.001 0.006 No 13 0.002663 0.0008261 84.62 None No 0.01 NP (NDs) PZ-16 0.003 0.002798 0.0007294 92.31 NP (NDs) Antimony (ma/L) 0.00037 0.006 No 13 0.01 None No Antimony (mg/L) PZ-17 0.003 0.00061 0.006 13 0.002469 0.001012 76.92 No 0.01 NP (NDs) Antimony (mg/L) PZ-18 0.003 0.0018 0.006 No 13 0.002785 0.000532 84.62 0.01 NP (NDs) No None Antimony (mg/L) PZ-19 0.003 0.00044 0.006 13 0.002803 0.00071 92.31 No 0.01 NP (NDs) 0.003 0.0017 No 13 0.002698 NP (NDs) Antimony (mg/L) PZ-23A 0.006 0.0007838 84.62 None No 0.01 Antimony (mg/L) PZ-33 0.003 0.00037 0.006 No 13 0.002798 0.0007294 92.31 NP (NDs) Antimony (mg/L) PZ-7D 0.003 0.00031 0.006 No 13 0.002386 0.001167 76.92 None No 0.01 NP (NDs) Barium (mg/L) PZ-14 0.03495 0.0183 2 0.0273 0.01343 None x^(1/3) 0.01 PZ-15 0.0781 0.06069 0 NP (normality) Barium (mg/L) 0.048 2 No 13 0.01632 None No 0.01 PZ-16 0.0689 0.035 2 0.04507 0.01382 NP (normality) Barium (mg/L) 13 0 2 0.07672 0 Barium (mg/L) PZ-17 0.08025 0.07318 0.004758 0.01 Param. No 13 None No Barium (mg/L) PZ-18 0.0513 0.023 2 13 0.03069 0.01444 No NP (normality) 2 ٥ Barium (mg/L) P7-19 0.05974 0.05301 No 13 0.05638 0.004526 None Nο 0.01 Param Barium (mg/L) PZ-23A 0.05362 0.03716 2 0.04539 0.01107 Param 2 Barium (mg/L) PZ-25 0.1097 0.09963 No 13 0 1047 0.006781 None Nο 0.01 Param Barium (mg/L) PZ-33 0.0752 0.0553 No 12 0.06525 0.01269 0.01 Param None No Barium (mg/L) PZ-7D 0.01047 0.007113 2 No 13 0.008792 0.002259 0 Nο 0.01 Param Chromium (ma/L) PZ-14 0.005 0.00098 0.1 Nο 13 0.003796 0.001881 69 23 No 0.01 NP (NDs) None Chromium (mg/L) PZ-16 0.005 0.0008 0.1 Nο 13 0.003132 0.00211 53.85 None No 0.01 NP (NDs) PZ-18 NP (NDs) Chromium (mg/L) 0.005 0.00056 0.1 No 13 0.004658 0.001231 92.31 0.01 None No Chromium (mg/L) PZ-19 0.005 0.00073 No 13 0.004672 0.001184 92.31 0.01 NP (NDs) 0.1 0.1 0.002592 Chromium (mg/L) PZ-23A 0.002277 0.001213 No 13 0.001611 23.08 Kaplan-Meier In(x) 0.01 Param. Chromium (mg/L) PZ-33 0.005 0.0017 0.1 0.004746 0.0009153 92.31 Kaplan-Meier No NP (NDs) Chromium (ma/L) PZ-7D 0.005 0.0005 0.1 Nο 13 0.002762 0.001979 38.46 0.01 NP (normality) None No Cobalt (mg/L) PZ-14 0.005 0.002 0.005 13 0.004408 0.001487 84.62 0.01 NP (NDs) No No Cobalt (mg/L) PZ-15 0.005 0.0004 0.003308 0.002237 NP (NDs) 0.005 No 13 61.54 No 0.01 None Cobalt (mg/L) PZ-16 0.005 0.0005 0.005 13 0.004654 0.001248 NP (NDs) 92.31 No PZ-17 0.005 No 13 0.002971 Cobalt (mg/L) 0.0005 0.005 0.002288 53.85 None No 0.01 NP (NDs) Cobalt (mg/L) PZ-18 0.005 0.0011 0.005 13 0.0047 0.001082 92.31 NP (NDs) P7-19 0.005 0.0012 0.004392 0.01 NP (NDs) Cobalt (mg/L) 0.005 No 13 0.001485 84 62 None Nο Cobalt (mg/L) PZ-23A 0.005 0.00049 0.005 13 0.003295 0.002247 61.54 None No NP (NDs) Cobalt (mg/L) PZ-25 0.0018 0.0008 0.001504 7.692 0.01 NP (normality) 0.005 No 13 0.001113 None No Cobalt (mg/L) PZ-33 0.005 0.00053 13 0.003295 0.002117 NP (NDs) Combined Radium 226 + 228 (pCi/L) PZ-14 1.073 0.3087 5 No 13 0.7294 0.596 0 None sqrt(x) 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-15 1.117 0.6519 5 No 13 0.8999 0.362 0 None x^(1/3) 0.01 Param 0.3294 Combined Radium 226 + 228 (pCi/L) PZ-16 0.9047 0.4507 5 Nο 13 0.6908 0 sqrt(x) 0.01 Param Combined Radium 226 + 228 (pCi/L) 5 0 PZ-17 1.298 0.6704 No 12 0.9842 0.3999 0.01 Param None No Combined Radium 226 + 228 (pCi/L) PZ-18 1.351 0.4742 5 No 0.9126 0.5261 0 No 0.01 Param 11 None 0.7215 Combined Radium 226 + 228 (pCi/L) PZ-19 1.417 No 13 1.069 0.4678 0.01 Param None No Combined Radium 226 + 228 (pCi/L) PZ-23A 1.297 0.7891 5 No 13 1.043 0.3415 0 None Nο 0.01 Param Combined Radium 226 + 228 (pCi/L) PZ-25 1.253 0.7952 5 No 13 1.024 0.3079 0.01 Param None No Combined Radium 226 + 228 (pCi/L) PZ-33 1.099 0.6208 5 No 13 0.8602 0.3218 No 0.01 Param None Combined Radium 226 + 228 (pCi/L) PZ-7D 0.6435 No 13 0.4362 0.3593 0 Param 0.1816 None 0.01 sart(x) PZ-14 0.11 4 14 0.08971 57.14 Fluoride (mg/L) 0.056 No 0.0255 0.01 NP (NDs) Fluoride (mg/L) PZ-15 0.134 0.07109 4 No 0.111 0.04821 28.57 0.01 Param 14 Kaplan-Meier sqrt(x) Fluoride (mg/L) PZ-16 0.1 0.08307 0.02496 57.14 Kaplan-Meier NP (NDs) 0.05 0.01 Fluoride (ma/L) PZ-17 0.1497 0.05733 4 Nο 14 0.1269 0.06633 35.71 Kaplan-Meier No 0.01 Param 4 Fluoride (mg/L) PZ-18 0.1109 0.05757 0.1028 0.0362 50 Kaplan-Meier sqrt(x) 0.01 Param 4 PZ-19 0.1453 0.1171 Fluoride (mg/L) 0.07083 No 14 0.0809 14.29 None In(x) 0.01 Param Fluoride (mg/L) PZ-23A 0.09698 0.04907 0.06363 35.71 Kaplan-Meier ln(x) 0.01 Param 4 Fluoride (mg/L) PZ-25 0.2598 0.1559 No 14 0.2079 0.07329 0 None No 0.01 Param PZ-33 4 Fluoride (mg/L) 0.15 0.06 14 0.1071 0.04576 57.14 NP (NDs) P7-7D 0.15 0.045 No 14 0 089 0.0326 64 29 0.01 NP (NDs) Fluoride (ma/L) None Nο

Confidence Intervals - All Results (No Significant)

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 4/6/2021, 11:53 AM Constituent Well Compliance Sig. N Std. Dev. %NDs ND Adj. Alpha Method Upper Lim. Lower Lim. Mean PZ-15 0.001 0.00005 0.001 0.0009269 0.0002635 92.31 No 0.01 NP (NDs) Lead (mg/L) No 13 None Lead (mg/L) PZ-16 0.001 0.000081 0.001 No 13 0.0009293 0.0002549 92.31 None No 0.01 NP (NDs) PZ-18 0.001 0.00043 0.0008825 0.0002976 NP (NDs) Lead (mg/L) 0.001 No 13 84.62 0.01 None No Lead (mg/L) PZ-19 0.001 0.000042 0.001 No 13 0.0009263 0.0002657 92.31 No 0.01 NP (NDs) Lead (mg/L) PZ-23A 0.001 0.000058 0.001 No 13 0.0007888 0.0004019 76.92 0.01 NP (NDs) No None Lead (mg/L) PZ-33 0.001 0.00009 0.001 13 0.0008567 0.0003499 No 0.01 NP (NDs) 84.62 0.001 0.000041 0.001 No 13 0.0009262 NP (NDs) Lead (mg/L) PZ-7D 0.000266 92.31 None No 0.01 Lithium (mg/L) PZ-14 0.03 0.003 0.03 No 13 0.02792 0.007488 92.31 No NP (NDs) Lithium (mg/L) PZ-15 0.03 0.0012 0.03 No 13 0.01233 0.01454 38.46 None No 0.01 NP (normality) Lithium (mg/L) PZ-17 0.003 0.002 0.03 13 0.006662 0.01036 15.38 None No NP (normality) NP (normality) PZ-18 0.003 0.006885 0.01 Lithium (mg/L) 0.0024 0.03 No 13 0.01026 15.38 None No PZ-19 0.01473 0.009886 0.01231 0.003257 0 Lithium (mg/L) 0.03 13 0.01 Param 0.02109 Lithium (mg/L) PZ-23A 0.03 0.001 0.03 0.01391 69.23 0.01 NP (NDs) No 13 None No Lithium (mg/L) PZ-25 0.006713 0.005314 0.03 No 13 0.005969 0.001051 0 None x^2 Lithium (mg/L) P7-7D 0.0038 0.0023 0.03 No 13 0.004931 0.00755 7 692 None Nο 0.01 NP (normality) Mercury (mg/L) PZ-14 0.0002 0.00015 0.002 No 0.0001836 0.00004056 81.82 0.006 NP (NDs) None No Mercury (mg/L) PZ-15 0.0002 0.0002 0.002 No 11 0.0001906 0.00003106 90.91 None No 0.006 NP (NDs) PZ-16 0.0002 0.0002 0.002 0.000188 0.0000398 90.91 0.006 NP (NDs) Mercury (mg/L) No 11 No None Mercury (mg/L) PZ-17 0.0002 0.0002 0.002 No 11 0.0001896 0.00003437 90.91 No 0.006 NP (NDs) Mercury (ma/L) PZ-18 0.0002 0.0002 0.002 No 11 0.000187 0.00004312 90.91 No 0.006 NP (NDs) None Mercury (mg/L) PZ-19 0.0002 0.0001 0.002 No 11 0.0001768 0.00005302 81.82 None No 0.006 NP (NDs) 0.0002 0.00017 0.0001873 0.00003349 81.82 Mercury (mg/L) PZ-23A 0.002 No 11 No 0.006 NP (NDs) None PZ-25 0.0002 0.0002 0.002 No 0.0001866 0.00004432 90.91 0.006 NP (NDs) Mercury (mg/L) 11 No Mercury (mg/L) 0.0002 0.0001631 0.00006561 72.73 0.006 NP (NDs) PZ-33 0.000043 0.002 No 11 None No Mercury (mg/L) PZ-7D 0.0002 0.00006 0.002 0.0001739 0.00005807 81.82 No 0.006 NP (NDs) Molybdenum (mg/L) PZ-14 0.01 0.0005 0.01 No 13 0.009269 0.002635 92.31 0.01 NP (NDs) None No Molybdenum (mg/L) PZ-15 0.01 0.0004 0.01 13 0.009262 0.002663 92.31 0.01 NP (NDs) No No PZ-16 0.0004 0.009262 0.002663 92.31 NP (NDs) Molybdenum (mg/L) 0.01 0.01 No 13 No 0.01 None PZ-17 0.01 0.0004 13 0.009262 0.002663 NP (NDs) Molybdenum (mg/L) 0.01 92.31 No 0.0027 0.002823 Molybdenum (mg/L) PZ-19 0.002 0.01 No 13 0.002167 7.692 None No 0.01 NP (normality) Molybdenum (mg/L) PZ-23A 0.01 0.0011 13 0.008592 0.003438 84.62 NP (NDs) P7-25 0.001 0.009308 0.002496 0.01 NP (NDs) Molybdenum (mg/L) 0.01 0.01 No 13 92 31 None Nο Selenium (mg/L) PZ-14 0.005 0.0015 0.05 No 13 0.004438 0.001372 84.62 None No NP (NDs) PZ-15 0.005 0.0018 0.004754 0.0008875 92.31 0.01 NP (NDs) Selenium (mg/L) 0.05 No 13 None No Selenium (mg/L) PZ-19 0.005 0.0016 0.05 No 13 0.003954 0.001319 No NP (NDs) None Selenium (mg/L) PZ-23A 0.005 0.0018 0.05 No 13 0.003769 0.001438 53.85 None No 0.01 NP (NDs) Selenium (mg/L) PZ-7D 0.005 0.0018 0.05 No 13 0.004254 0.001418 76.92 None No 0.01 NP (NDs) Thallium (mg/L) PZ-14 0.001 0.00006 0.002 No 13 0.0009277 0.0002607 92.31 No 0.01 NP (NDs) 0.001 0.0004052 NP (NDs) Thallium (mg/L) PZ-15 0.00016 0.002 No 13 0.0006931 61.54 0.01 No None Thallium (mg/L) PZ-16 0.001 0.00017 0.002 No 13 0.0006156 0.0004337 53.85 No 0.01 NP (NDs) None Thallium (mg/L) PZ-17 0.001 0.0002 0.002 No 13 0.0007092 0.0003862 61.54 0.01 NP (NDs) None No Thallium (mg/L) PZ-18 0.001 0.00005 0.002 No 13 0.0007816 0.000415 76.92 No 0.01 NP (NDs) Thallium (mg/L) PZ-19 0.0007588 0.0004551 0.002 No 13 0.0006069 0.0002042 7.692 0.01 Param. No None Thallium (mg/L) PZ-23A 0.001 0.00015 0.002 No 13 0.00044 0.0003916 30.77 No 0.01 NP (normality) PZ-25 Thallium (mg/L) 0.001 0.00027 0.002 No 13 0.0007392 0.0003452 61.54 0.01 NP (NDs) No None PZ-33 0.001 0.0001 0.002 13 0.0006638 0.0004431 61.54 NP (NDs) Thallium (mg/L) No Thallium (mg/L) PZ-7D 0.001 0.000085 0.002 No 13 0.0006587 0.0004503 61.54 No 0.01 NP (NDs) None

FIGURE A.

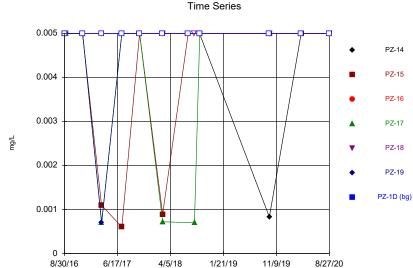




Constituent: Antimony Analysis Run 4/6/2021 11:34 AM

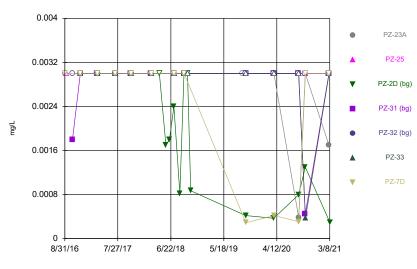
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values



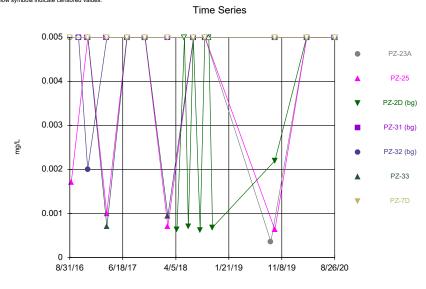
Constituent: Arsenic Analysis Run 4/6/2021 11:34 AM Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



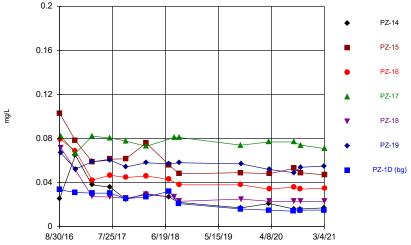
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Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values.



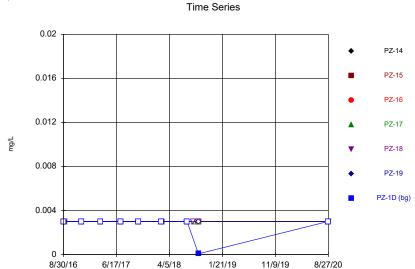
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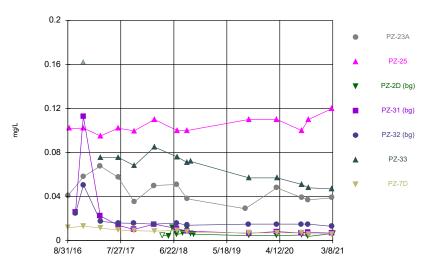
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Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values



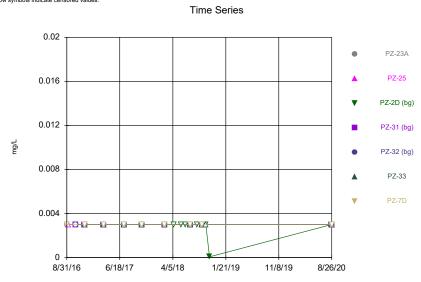
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Time Series



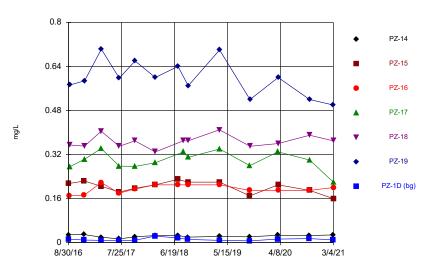
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Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values.



Constituent: Beryllium Analysis Run 4/6/2021 11:34 AM Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

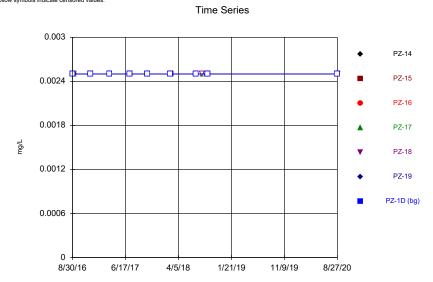




Constituent: Boron Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

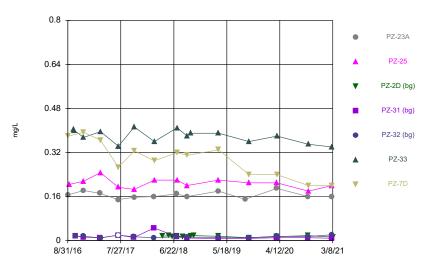
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values.



Constituent: Cadmium Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series



Constituent: Boron Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

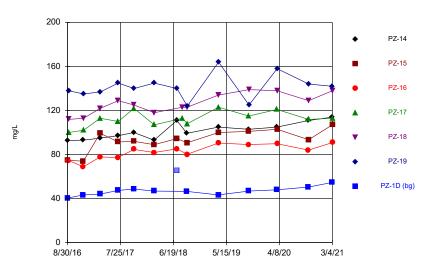
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values.

Time Series 0.003 PZ-23A PZ-25 0.0024 PZ-2D (bg) 0.0018 PZ-31 (bg) PZ-32 (bg) 0.0012 PZ-33 PZ-7D 0.0006 8/31/16 6/18/17 4/5/18 1/21/19 11/8/19 8/26/20

Constituent: Cadmium Analysis Run 4/6/2021 11:34 AM

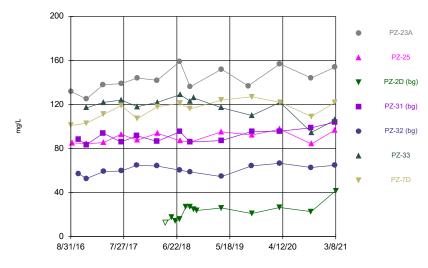
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





Constituent: Calcium Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

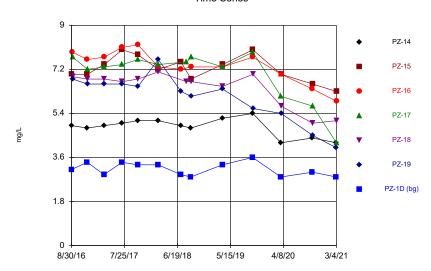


Constituent: Calcium Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

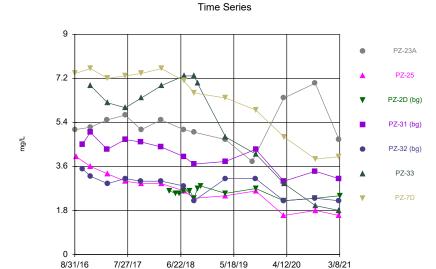
Time Series



Constituent: Chloride Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

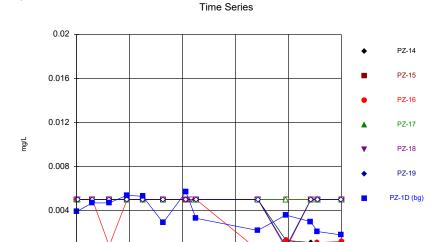


Constituent: Chloride Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

8/30/16

7/25/17



Constituent: Chromium Analysis Run 4/6/2021 11:34 AM

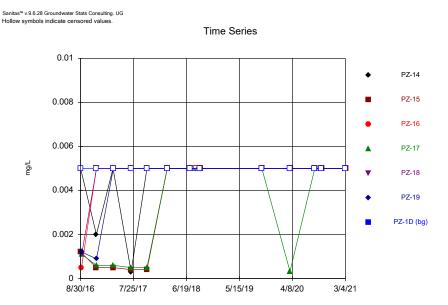
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

5/15/19

6/19/18

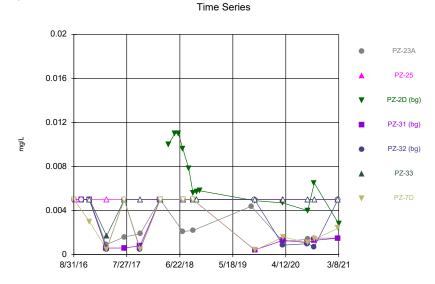
3/4/21

4/8/20



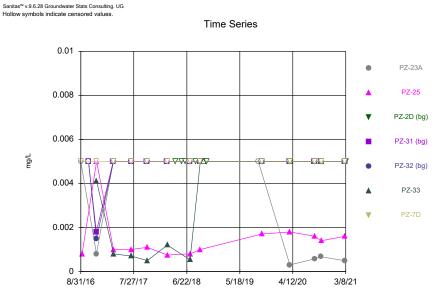
Constituent: Cobalt Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



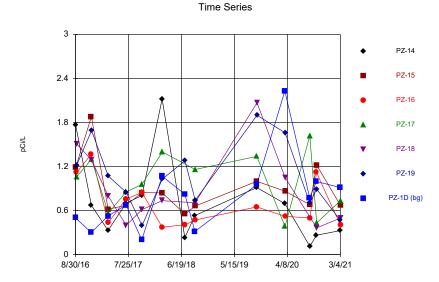
Constituent: Chromium Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

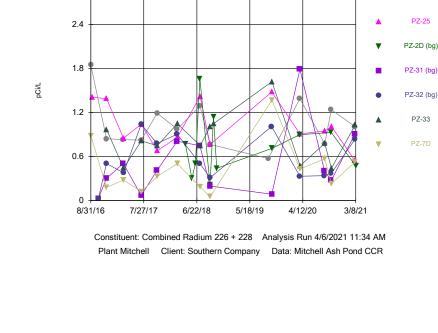


Constituent: Cobalt Analysis Run 4/6/2021 11:34 AM

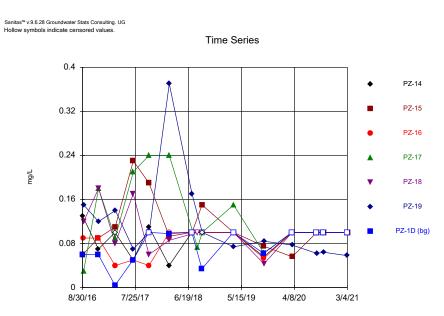
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

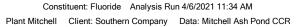


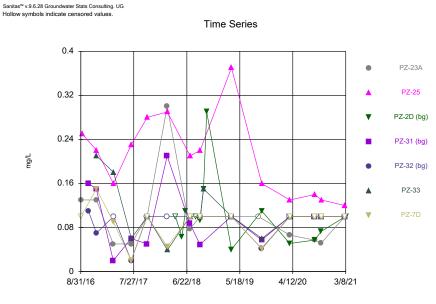
Constituent: Combined Radium 226 + 228 Analysis Run 4/6/2021 11:34 AM Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



PZ-23A

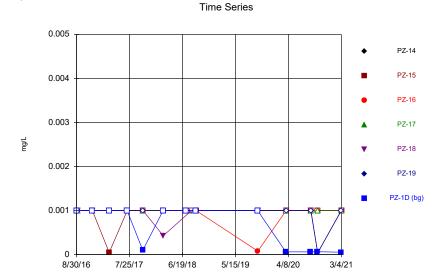






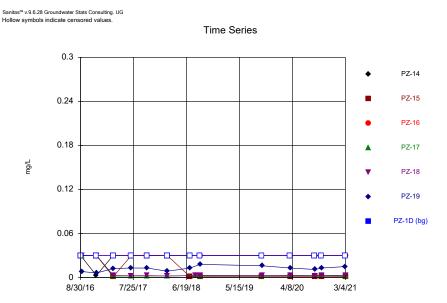
Constituent: Fluoride Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



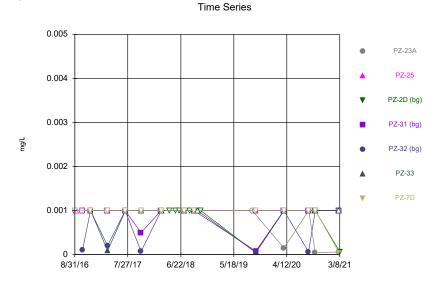
Constituent: Lead Analysis Run 4/6/2021 11:34 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



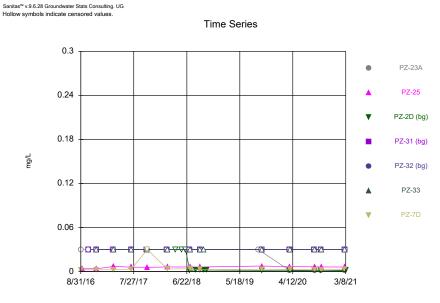
Constituent: Lithium Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



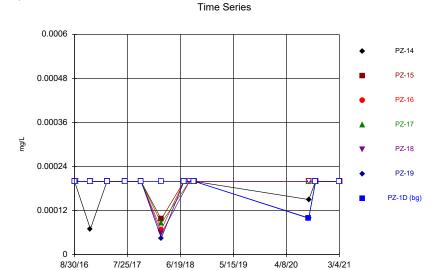
Constituent: Lead Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



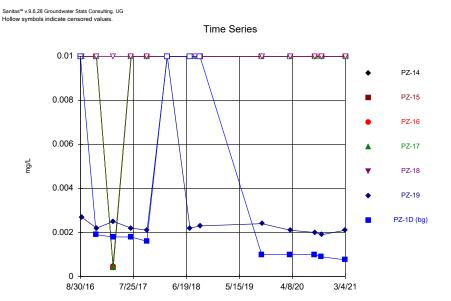
Constituent: Lithium Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



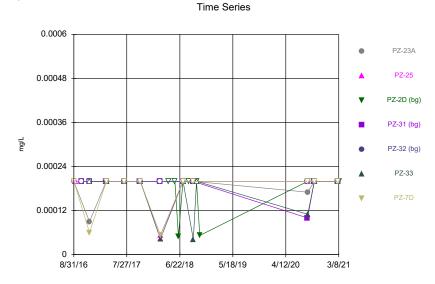
Constituent: Mercury Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



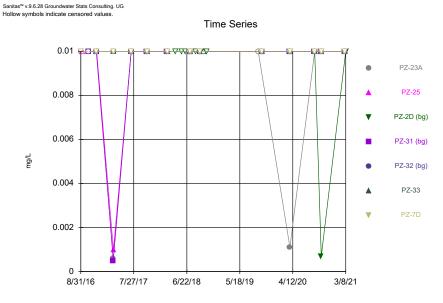
Constituent: Molybdenum Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



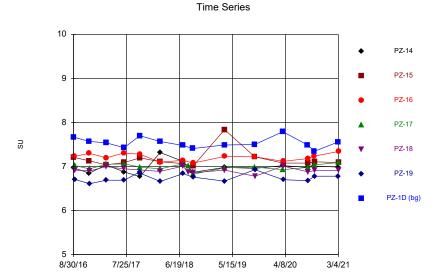
Constituent: Mercury Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



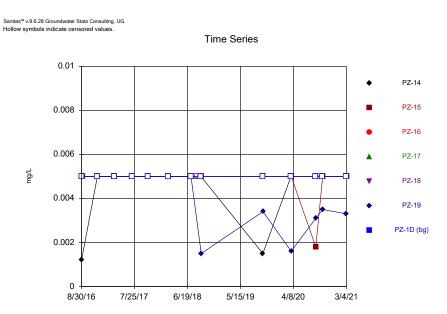
Constituent: Molybdenum Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



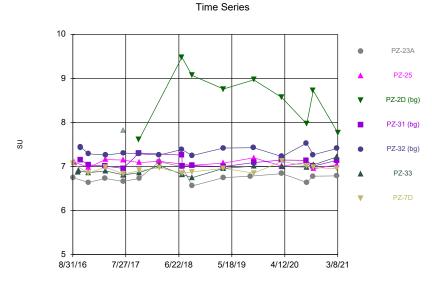
Constituent: pH Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



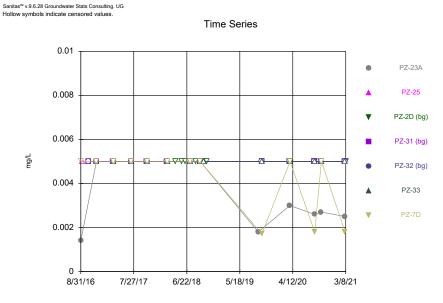
Constituent: Selenium Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



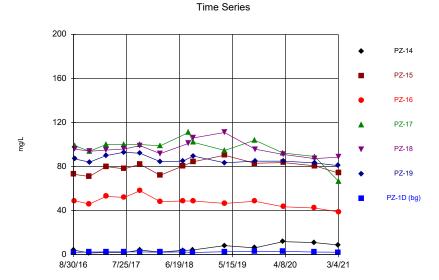
Constituent: pH Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



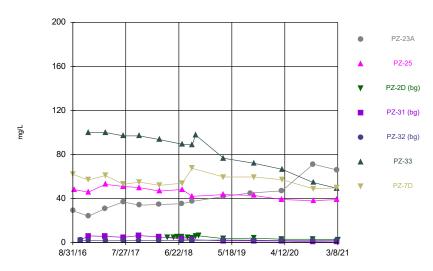
Constituent: Selenium Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 4/6/2021 11:35 AM

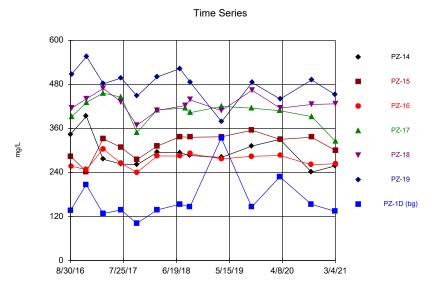
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

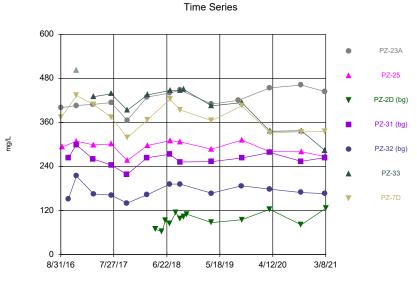




Constituent: TDS Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG



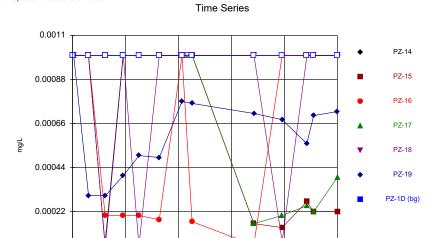
Constituent: TDS Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Hollow symbols indicate censored values.

8/30/16

7/25/17



Constituent: Thallium Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

5/15/19

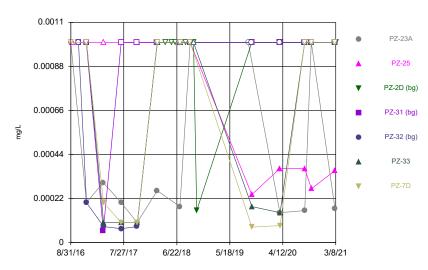
3/4/21

4/8/20

6/19/18

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Time Series



Constituent: Thallium Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Constituent: Antimony (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							0.0009 (J)
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	
12/6/2016							<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)						0.0028 (J)
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
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		
10/19/2017						<0.003	
2/20/2018	<0.003						0.00094 (J)
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003	
7/11/2018	<0.003						0.0019 (J)
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		
9/14/2018				<0.003		<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)			
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	
8/27/2020					<0.003		
10/6/2020	<0.003		<0.003				0.0021 (J)
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003	
3/3/2021	<0.003					<0.003	0.00093 (J)
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003		

Constituent: Antimony (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.003						
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		<0.003
12/8/2016		<0.003				<0.003	
3/21/2017	<0.003			<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	<0.003		
7/12/2017						<0.003	<0.003
10/17/2017				<0.003	<0.003		
10/18/2017	<0.003	<0.003					
10/19/2017						<0.003	<0.003
2/20/2018	<0.003			<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	<0.003		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		<0.003
9/14/2018						<0.003	
10/4/2018			<0.003			<0.003	
10/24/2018			0.00087 (J)				
9/10/2019	<0.003						
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	<0.003		
3/26/2020						<0.003	0.00042 (J)
8/25/2020				<0.003	<0.003		
8/26/2020	0.00038 (J)	<0.003	0.0008 (J)			<0.003	0.00031 (J)
10/6/2020	<0.003		0.0013 (J)	0.00045 (J)	<0.003		
10/7/2020		<0.003				0.00037 (J)	<0.003
3/3/2021	0.0017 (J)	<0.003		<0.003	<0.003		
3/4/2021						<0.003	<0.003
3/8/2021			0.0003 (J)				

Constituent: Arsenic (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.005
8/31/2016	<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				
12/8/2016				<0.005	<0.005	<0.005	
3/21/2017	<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
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		
10/19/2017						<0.005	
2/20/2018	<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
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		
9/14/2018				<0.005		<0.005	
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			
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	
8/27/2020					<0.005		

Constituent: Arsenic (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.005						
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	<0.005				0.002 (J)		<0.005
12/8/2016		<0.005				<0.005	
3/21/2017	<0.005			<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	<0.005		
7/12/2017						<0.005	<0.005
10/17/2017				<0.005	<0.005		
10/18/2017	<0.005	<0.005					
10/19/2017						<0.005	<0.005
2/20/2018	<0.005			<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	<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		<0.005
9/14/2018						<0.005	
10/4/2018			<0.005			<0.005	
10/24/2018			0.00068 (J)				
9/10/2019	0.00036 (X)						
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	<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	<0.005

Constituent: Barium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							0.0335
8/31/2016	0.0253						
9/1/2016		0.103					
9/6/2016			0.0794				
9/7/2016				0.0823	0.0717	0.067	
12/6/2016							0.0311
12/7/2016	0.065	0.0781	0.0689				
12/8/2016				0.0668	0.0513	0.0522	
3/21/2017	0.0379						0.0305
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
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		
10/19/2017						0.0542	
2/20/2018	0.03						0.027
2/21/2018		0.076	0.046	0.073	0.029	0.058	
7/11/2018	0.027						0.032
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		
9/14/2018				0.081		0.058	
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			
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	
8/27/2020					0.023		
10/6/2020	0.016		0.034				0.015
10/7/2020		0.049		0.074	0.023	0.054	
3/3/2021	0.017					0.055	0.015
3/4/2021		0.047	0.035	0.071	0.023		

Constituent: Barium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.0407						
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	0.0581				0.0506		0.0133
12/8/2016		0.102				0.162 (o)	
3/21/2017	0.0678			0.0226			
3/22/2017		0.0951					0.0114
3/23/2017					0.0175	0.0753	
7/11/2017	0.0574	0.102		0.0139	0.0161		
7/12/2017						0.0756	0.0097 (J)
10/17/2017				0.0103	0.0158		
10/18/2017	0.0351	0.0997					
10/19/2017						0.0681	0.0091 (J)
2/20/2018	0.05			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	0.051		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	0.038	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)				
9/10/2019	0.029						
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	0.048	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	0.039	0.1	0.0051 (J)			0.051	0.007 (J)
10/6/2020	0.037		0.0039 (J)	0.0075 (J)	0.015		
10/7/2020		0.11				0.048	0.0061 (J)
3/3/2021	0.039	0.12		0.0069	0.013		
3/4/2021						0.047	0.0061
3/8/2021			0.0065				

Constituent: Beryllium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.003
8/31/2016	<0.003						
9/1/2016		<0.003					
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				
12/8/2016				<0.003	<0.003	<0.003	
3/21/2017	<0.003						<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				<0.003
7/12/2017		<0.003		<0.003	<0.003	<0.003	
10/17/2017							<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						<0.003
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003	
7/11/2018	<0.003						<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						6.1E-05 (J)
9/13/2018		<0.003	<0.003		<0.003		
9/14/2018				<0.003		<0.003	
8/25/2020							<0.003
8/26/2020	<0.003	<0.003	<0.003	<0.003		<0.003	
8/27/2020					<0.003		

Constituent: Beryllium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.003						
9/1/2016							<0.003
9/8/2016		<0.003					
10/18/2016				<0.003	<0.003		
12/6/2016				<0.003			
12/7/2016	<0.003				<0.003		<0.003
12/8/2016		<0.003				<0.003	
3/21/2017	<0.003			<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	<0.003		
7/12/2017						<0.003	<0.003
10/17/2017				<0.003	<0.003		
10/18/2017	<0.003	<0.003					
10/19/2017						<0.003	<0.003
2/20/2018	<0.003			<0.003	<0.003		
2/21/2018		<0.003				<0.003	<0.003
4/12/2018			<0.003				
5/23/2018			<0.003				
6/13/2018			<0.003				
7/11/2018	<0.003		<0.003	<0.003	<0.003		
7/12/2018		<0.003				<0.003	<0.003
8/17/2018			<0.003				
9/12/2018			<0.003	<0.003			
9/13/2018	<0.003	<0.003			<0.003		<0.003
9/14/2018						<0.003	
10/4/2018			<0.003			<0.003	
10/24/2018			6E-05 (J)				
8/25/2020				<0.003	<0.003		
8/26/2020	<0.003	<0.003	<0.003			<0.003	<0.003

Constituent: Boron (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							0.0132 (J)
8/31/2016	0.0285 (J)						
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				
12/8/2016				0.303	0.351	0.588	
3/21/2017	0.0198 (J)						0.0082 (J)
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)
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		
10/19/2017						0.66	
2/20/2018	0.026 (J)						0.024 (J)
2/21/2018		0.21	0.21	0.29	0.33	0.6	
7/11/2018	0.026 (J)						0.017 (J)
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		
9/14/2018				0.31		0.57	
3/26/2019							0.0082
3/27/2019	0.023		0.21		0.41		
3/28/2019		0.22		0.34		0.7	
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			
3/26/2020		0.21	0.19		0.36	0.6	
10/6/2020	0.026 (J)		0.19				0.015 (J)
10/7/2020		0.19		0.3	0.39	0.52	
3/3/2021	0.028 (J)					0.5	0.01 (J)
3/4/2021		0.16	0.2	0.22	0.37		

Constituent: Boron (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.166						
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	0.182				0.0157 (J)		0.394
12/8/2016		0.216				0.375	
3/21/2017	0.172			0.0103 (J)			
3/22/2017		0.247					0.365
3/23/2017					0.0103 (J)	0.396	
7/11/2017	0.149	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	0.158	0.186					
10/19/2017						0.413	0.326
2/20/2018	0.16			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	0.17		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	0.16	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	0.18	0.22	0.016		0.012		
3/28/2019						0.39	0.33
9/10/2019	0.15						
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	0.19	0.21		0.011 (J)	0.016 (J)		
3/26/2020						0.38	0.24
10/6/2020	0.16		0.018 (J)	0.011 (J)	0.015 (J)		
10/7/2020		0.18				0.35	0.2
3/3/2021	0.16	0.2		0.0087 (J)	0.022 (J)		
3/4/2021						0.34	0.2
3/8/2021			0.013 (J)				

Constituent: Cadmium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.0025
8/31/2016	<0.0025						
9/1/2016		<0.0025					
9/6/2016			<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	
12/6/2016							<0.0025
12/7/2016	<0.0025	<0.0025	<0.0025				
12/8/2016				<0.0025	<0.0025	<0.0025	
3/21/2017	<0.0025						<0.0025
3/22/2017		<0.0025	<0.0025	<0.0025	<0.0025		
3/23/2017						<0.0025	
7/11/2017	<0.0025		<0.0025				<0.0025
7/12/2017		<0.0025		<0.0025	<0.0025	<0.0025	
10/17/2017							<0.0025
10/18/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/19/2017						<0.0025	
2/20/2018	<0.0025						<0.0025
2/21/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/11/2018	<0.0025						<0.0025
7/12/2018		<0.0025	<0.0025			<0.0025	
8/15/2018					<0.0025		
8/16/2018				<0.0025			
9/12/2018	<0.0025						<0.0025
9/13/2018		<0.0025	<0.0025		<0.0025		
9/14/2018				<0.0025		<0.0025	
8/25/2020							<0.0025
8/26/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
8/27/2020					<0.0025		

Constituent: Cadmium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.0002 (J)						
9/1/2016							<0.0025
9/8/2016		<0.0025					
10/18/2016				<0.0025	<0.0025		
12/6/2016				<0.0025			
12/7/2016	0.0002 (J)				<0.0025		<0.0025
12/8/2016		<0.0025				<0.0025	
3/21/2017	<0.0025			<0.0025			
3/22/2017		<0.0025					<0.0025
3/23/2017					<0.0025	0.0001 (J)	
7/11/2017	<0.0025	<0.0025		<0.0025	<0.0025		
7/12/2017						<0.0025	<0.0025
10/17/2017				<0.0025	<0.0025		
10/18/2017	<0.0025	<0.0025					
10/19/2017						<0.0025	<0.0025
2/20/2018	<0.0025			<0.0025	<0.0025		
2/21/2018		<0.0025				<0.0025	<0.0025
4/12/2018			<0.0025				
5/23/2018			<0.0025				
6/13/2018			<0.0025				
7/11/2018	<0.0025		<0.0025	<0.0025	<0.0025		
7/12/2018		<0.0025				<0.0025	<0.0025
8/17/2018			<0.0025				
9/12/2018			<0.0025	<0.0025			
9/13/2018	<0.0025	<0.0025			<0.0025		<0.0025
9/14/2018						<0.0025	
10/4/2018			<0.0025			<0.0025	
10/24/2018			<0.0025				
8/25/2020				<0.0025	<0.0025		
8/26/2020	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025

Constituent: Calcium (mg/L) Analysis Run 4/6/2021 11:35 AM

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Р	lant Mitchell	Client: Southern Comp	pany Data: Mitchell Ash Pond CC	R

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)
8/30/2016							40.4
8/31/2016	92.9						
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				
12/8/2016				102	113	135	
3/21/2017	95						44.1
3/22/2017		99.3	77.8	113	122		
3/23/2017						137	
7/11/2017	97.1		77.3				47.4
7/12/2017		91.4		110	129	145	
10/17/2017							48.7
10/18/2017	100	92	84.7	122	125		
10/19/2017						140	
2/20/2018	93.1						46.8
2/21/2018		89	81.8	107	118	145	
7/11/2018	111						65.3 (o)
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		
9/14/2018				108		124	
3/26/2019							43.3
3/27/2019	105		90.5		134		
3/28/2019		100		123		164	
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			
3/26/2020		103	89.8		138	158	
10/6/2020	111		84				50.5
10/7/2020		93.5		112	129	144	
3/3/2021	114					142	54.7
3/4/2021		107	90.9	113	138		

Constituent: Calcium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	132						
9/1/2016							101
9/8/2016		85.2					
10/18/2016				88.3	57.2		
12/6/2016				83.4			
12/7/2016	125				52.8		103
12/8/2016		84.5				117	
3/21/2017	138			94			
3/22/2017		85.3					111
3/23/2017					59.1	122	
7/11/2017	139	93		86	59.7		
7/12/2017						124	119
10/17/2017				91.6	64.9		
10/18/2017	144	87.6					
10/19/2017						118	107
2/20/2018	142			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	159		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	136	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	152	95.2	26.1		54.6		
3/28/2019						117	124
9/10/2019	137						
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	157	97.5		95.8	66.6		
3/26/2020						122	122
10/6/2020	144		22.7	98.8	62.8		
10/7/2020		84.2				94.7	109
3/3/2021	154	96.8		104	64.8 (M1)		
3/4/2021						106	122
3/8/2021			41.7				

Constituent: Chloride (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							3.1
8/31/2016	4.9						
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				
12/8/2016				7.2	6.8	6.6	
3/21/2017	4.9						2.9
3/22/2017		7.4	7.7	7.3	6.8		
3/23/2017						6.6	
7/11/2017	5		8.1				3.4
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		
10/19/2017						6.5	
2/20/2018	5.1						3.3
2/21/2018		7.2	7.3	7.4	7.1	7.6	
7/11/2018	4.9						2.9
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		
9/14/2018				7.7		6.1	
3/26/2019							3.3
3/27/2019	5.2		7.3		6.5		
3/28/2019		7.4		7.3		6.4	
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			
3/26/2020		7	7		5.7	5.4	
10/6/2020	4.4		6.4				3
10/7/2020		6.6		5.7	5	4.5	
3/3/2021	4.2					4	2.8
3/4/2021		6.3	5.9	4.2	5.1		

Constituent: Chloride (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	5.1						
9/1/2016							7.4
9/8/2016		4					
10/18/2016				4.5	3.5		
12/6/2016				5			
12/7/2016	5.2				3.2		7.6
12/8/2016		3.6				6.9	
3/21/2017	5.5			4.3			
3/22/2017		3.3					7.2
3/23/2017					2.9	6.2	
7/11/2017	5.7	3		4.7	3.1		
7/12/2017						6	7.3
10/17/2017				4.6	3		
10/18/2017	5.1	2.9					
10/19/2017						6.4	7.4
2/20/2018	5.5			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	5.1		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	5	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	4.7	2.4	2.5		3.1		
3/28/2019						4.8	6.4
9/10/2019	3.8						
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	6.4	1.6		3	2.2		
3/26/2020						2.9	4.8
10/6/2020	7		2.3	3.4	2.3		
10/7/2020		1.8				2	3.9
3/3/2021	4.7	1.6		3.1	2.2		
3/4/2021						1.8	4
3/8/2021			2.4				

Constituent: Chromium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							0.0039 (J)
8/31/2016	<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				
12/8/2016				<0.005	<0.005	<0.005	
3/21/2017	<0.005						0.0047 (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)
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		
10/19/2017						<0.005	
2/20/2018	<0.005						0.0029 (J)
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005	
7/11/2018	<0.005						0.0057 (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		
9/14/2018				<0.005		<0.005	
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			
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	
8/27/2020					<0.005		
10/6/2020	0.00098 (J)		0.0011 (J)				0.0021 (J)
10/7/2020		<0.005		<0.005	<0.005	<0.005	
3/3/2021	0.00097 (J)					<0.005	0.0018 (J)
3/4/2021		<0.005	0.0012 (J)	<0.005	<0.005		

Constituent: Chromium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

					,		
	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.005						
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		0.003 (J)
12/8/2016		<0.005				<0.005	
3/21/2017	0.0009 (J)			0.0006 (J)			
3/22/2017		<0.005					0.0005 (J)
3/23/2017					0.0005 (J)	0.0017 (J)	
7/11/2017	0.0016 (J)	<0.005		0.0006 (J)	<0.005		
7/12/2017						<0.005	<0.005
10/17/2017				0.0008 (J)	0.0005 (J)		
10/18/2017	0.0019 (J)	<0.005					
10/19/2017						<0.005	0.0005 (J)
2/20/2018	<0.005			<0.005	<0.005		
2/21/2018		<0.005				<0.005	<0.005
4/12/2018			0.01				
5/23/2018			0.011				
6/13/2018			0.011				
7/11/2018	0.0021 (J)		0.0096 (J)	<0.005	<0.005		
7/12/2018		<0.005				<0.005	<0.005
8/17/2018			0.0078 (J)				
9/12/2018			0.0056 (J)	<0.005			
9/13/2018	0.0022 (J)	<0.005			<0.005		<0.005
9/14/2018						<0.005	
10/4/2018			0.0057 (J)			<0.005	
10/24/2018			0.0058 (J)				
9/10/2019	0.0044 (X)						
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	0.0012 (J)	<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	0.0014 (J)	<0.005	0.004 (J)	. ,	. ,	<0.005	0.0011 (J)
10/6/2020	0.0015 (J)		0.0065 (J)	0.0013 (J)	0.00072 (J)		` '
10/7/2020	.,	<0.005	. ,	.,	.,	<0.005	0.0014 (J)
3/3/2021	0.0015 (J)	<0.005		0.0015 (J)	<0.005		. ,
3/4/2021	(-)			(-)		<0.005	0.0024 (J)
3/8/2021			0.0028 (J)				· · · · · · · · · · · · · · · · · · ·

Constituent: Cobalt (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.005
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)	
12/6/2016							<0.005
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						<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
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		
10/19/2017						<0.005	
2/20/2018	<0.005						<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005	
7/11/2018	<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		
9/14/2018				<0.005		<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)			
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	
8/27/2020					<0.005		
10/6/2020	<0.005		<0.005				<0.005
10/7/2020		<0.005		<0.005	<0.005	<0.005	
3/3/2021	<0.005					<0.005	<0.005
3/4/2021		<0.005	<0.005	<0.005	<0.005		

Constituent: Cobalt (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.005						
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	0.0008 (J)				0.0015 (J)		<0.005
12/8/2016		<0.005				0.0041 (J)	
3/21/2017	<0.005			<0.005			
3/22/2017		0.001 (J)					<0.005
3/23/2017					<0.005	0.0008 (J)	
7/11/2017	<0.005	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	<0.005	0.0011 (J)					
10/19/2017						0.0005 (J)	<0.005
2/20/2018	<0.005			<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	<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	<0.005	0.001 (J)			<0.005		<0.005
9/14/2018						<0.005	
10/4/2018			<0.005			<0.005	
10/24/2018			<0.005				
9/10/2019	<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	0.0003 (J)	0.0018 (J)		<0.005	<0.005		
3/26/2020						<0.005	<0.005
8/25/2020				<0.005	<0.005		
8/26/2020	0.00058 (J)	0.0016 (J)	<0.005			<0.005	<0.005
10/6/2020	0.00067 (J)		<0.005	<0.005	<0.005		
10/7/2020		0.0014 (J)				<0.005	<0.005
3/3/2021	0.00049 (J)	0.0016 (J)		<0.005	<0.005		
3/4/2021						<0.005	<0.005
3/8/2021			<0.005				

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							0.503 (U)
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	
12/6/2016							0.302 (U)
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)						0.526 (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)
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)		
10/19/2017						0.398 (U)	
2/20/2018	2.12						1.07 (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)
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)		
9/14/2018				1.16		0.74 (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)			
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)	
10/6/2020	0.265 (U)		1.12 (U)				0.996 (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)
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)		

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/6/2021 11:35 AM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

PZ-7D
0.88 (U)
0.179 (U)
)
0.279 (U)
)
0.125 (U)
0.329 (U)
0.504 (U)
0.188 (U)
0.0542 (U)
1.37
0.43 (U)
0.572 (U)
0.232 (U)
0.529 (U)

Constituent: Fluoride (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							0.06 (J)
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)	
12/6/2016							0.06 (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						0.004 (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)
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)		
10/19/2017						<0.1	
2/20/2018	0.04 (J)						0.098 (J)
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37	
7/11/2018	<0.1						<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						0.034 (J)
9/13/2018		0.15 (J)	<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		
3/28/2019		0.1		0.15		0.074	
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			
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)	
8/27/2020					<0.1		
10/6/2020	<0.1		<0.1				<0.1
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)	
3/3/2021	<0.1					0.058 (J)	<0.1
3/4/2021		<0.1	<0.1	<0.1	<0.1		

Constituent: Fluoride (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.13 (J)						
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	0.13 (J)				0.07 (J)		0.15 (J)
12/8/2016		0.22 (J)				0.21 (J)	
3/21/2017	0.05 (J)			0.02 (J)			
3/22/2017		0.16 (J)					0.09 (J)
3/23/2017					<0.1	0.18 (J)	
7/11/2017	0.05 (J)	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	<0.1	0.28 (J)					
10/19/2017						<0.1	<0.1
2/20/2018	0.3 (J)			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	0.077 (J)		<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	<0.1	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	<0.1	0.37	0.04		<0.1		
3/28/2019						<0.1	<0.1
9/10/2019	<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	0.066 (J)	0.13 (J)		<0.1	<0.1	.0.4	24
3/26/2020 8/25/2020				-0.4	.0.1	<0.1	<0.1
	0.057 (1)	0.44	0.057 (1)	<0.1	<0.1	.0.4	24
8/26/2020	0.057 (J)	0.14	0.057 (J)	-0.4	.0.1	<0.1	<0.1
10/6/2020 10/7/2020	0.052 (J)	0.13	0.073 (J)	<0.1	<0.1	<0.1	<0.1
	<0.1	0.13		<0.1	<0.1	~U. I	~ 0.1
3/3/2021 3/4/2021	<0.1	0.12		<0.1	<0.1	<0.1	<0.1
3/8/2021			<0.1			5U. I	70.1
			2				

Constituent: Lead (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.001
8/31/2016	<0.001						
9/1/2016		<0.001					
9/6/2016			<0.001				
9/7/2016				<0.001	<0.001	<0.001	
12/6/2016							<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						<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
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		
10/19/2017						<0.001	
2/20/2018	<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
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		
9/14/2018				<0.001		<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			
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	
8/27/2020					<0.001		
10/6/2020	<0.001		<0.001				6.6E-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)
3/4/2021		<0.001	<0.001	<0.001	<0.001		

Constituent: Lead (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.001						
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		<0.001
12/8/2016		<0.001				<0.001	
3/21/2017	<0.001			<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	<0.001		
7/12/2017						<0.001	<0.001
10/17/2017				0.0005 (J)	7E-05 (J)		
10/18/2017	<0.001	<0.001					
10/19/2017						<0.001	<0.001
2/20/2018	<0.001			<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	<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		<0.001
9/14/2018						<0.001	
10/4/2018			<0.001			<0.001	
10/24/2018			<0.001				
9/10/2019	<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	0.00015 (J)	<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	<0.001
10/6/2020	4.7E-05 (J)		<0.001	<0.001	<0.001		
10/7/2020		<0.001				<0.001	<0.001
3/3/2021	5.8E-05 (J)	<0.001		<0.001	<0.001		
3/4/2021						<0.001	4.1E-05 (J)
3/8/2021			6.2E-05 (J)				

Constituent: Lithium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.03
8/31/2016	<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				
12/8/2016				<0.03	<0.03	0.0061 (J)	
3/21/2017	<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
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)		
10/19/2017						0.013 (J)	
2/20/2018	<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
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)		
9/14/2018				0.0025 (J)		0.018 (J)	
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)			
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)	
8/27/2020					0.0025 (J)		
10/6/2020	<0.03		<0.03				<0.03
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
3/4/2021		0.0014 (J)	<0.03	0.002 (J)	0.0029 (J)		

Constituent: Lithium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

					,		
	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.03						
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				<0.03		0.0023 (J)
12/8/2016		0.0038 (J)				<0.03	
3/21/2017	<0.03			<0.03			
3/22/2017		0.0068 (J)					0.0025 (J)
3/23/2017					<0.03	<0.03	
7/11/2017	<0.03	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	<0.03	0.0057 (J)					
10/19/2017						<0.03	<0.03
2/20/2018	<0.03			<0.03	<0.03		
2/21/2018		0.0063 (J)				<0.03	0.0034 (J)
4/12/2018			<0.03				
5/23/2018			<0.03				
6/13/2018			<0.03				
7/11/2018	<0.03		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	<0.03	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)				
9/10/2019	<0.03						
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	0.0011 (J)	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	0.0011 (J)	0.0065 (J)	0.0015 (J)			<0.03	0.0023 (J)
10/6/2020	0.00097 (J)		0.00099 (J)	<0.03	<0.03		
10/7/2020		0.0063 (J)				<0.03	0.0023 (J)
3/3/2021	0.001 (J)	0.0061 (J)		<0.03	<0.03		
3/4/2021						<0.03	0.0031 (J)
3/8/2021			0.0019 (J)				

Constituent: Mercury (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.0002
8/31/2016	<0.0002						
9/1/2016		<0.0002					
9/6/2016			<0.0002				
9/7/2016				<0.0002	<0.0002	<0.0002	
12/6/2016							<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						<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
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		
10/19/2017						<0.0002	
2/20/2018	<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
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		
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)	
8/27/2020					<0.0002		
10/6/2020	<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
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002		

Constituent: Mercury (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<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	9E-05 (J)				<0.0002		6E-05 (J)
12/8/2016		<0.0002				<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		
10/18/2017	<0.0002	<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			
9/13/2018	<0.0002	<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	0.00017 (J)	<0.0002	<0.0002			0.00011 (J)	<0.0002
10/6/2020	<0.0002		<0.0002	<0.0002	<0.0002		
10/7/2020		<0.0002				<0.0002	<0.0002
3/3/2021	<0.0002	<0.0002		<0.0002	<0.0002		
3/4/2021						<0.0002	<0.0002
3/8/2021			<0.0002				

Constituent: Molybdenum (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.01
8/31/2016	<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				
12/8/2016				<0.01	<0.01	0.0022 (J)	
3/21/2017	0.0005 (J)						0.0018 (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)
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		
10/19/2017						0.0021 (J)	
2/20/2018	<0.01						<0.01
2/21/2018		<0.01	<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)	
8/15/2018					<0.01		
8/16/2018				<0.01			
9/12/2018	<0.01						<0.01
9/13/2018		<0.01	<0.01		<0.01		
9/14/2018				<0.01		0.0023 (J)	
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			
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)	
8/27/2020					<0.01		
10/6/2020	<0.01		<0.01				0.0009 (J)
10/7/2020		<0.01		<0.01	<0.01	0.0019 (J)	
3/3/2021	<0.01					0.0021 (J)	0.00076 (J)
3/4/2021		<0.01	<0.01	<0.01	<0.01		

Constituent: Molybdenum (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.01						
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		<0.01
12/8/2016		<0.01				<0.01	
3/21/2017	0.0006 (J)			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	<0.01		
7/12/2017						<0.01	<0.01
10/17/2017				<0.01	<0.01		
10/18/2017	<0.01	<0.01					
10/19/2017						<0.01	<0.01
2/20/2018	<0.01			<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	<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		<0.01
9/14/2018						<0.01	
10/4/2018			<0.01			<0.01	
10/24/2018			<0.01				
9/10/2019	<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	0.0011 (J)	<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	<0.01
10/6/2020	<0.01		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	<0.01		
3/4/2021						<0.01	<0.01
3/8/2021			<0.01				

Constituent: pH (SU) Analysis Run 4/6/2021 11:35 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)
8/30/2016							7.67
8/31/2016	6.97						
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				
12/8/2016				6.95	6.9	6.61	
3/21/2017	7.04						7.54
3/22/2017		7.04	7.2	7.05	7		
3/23/2017						6.69	
7/11/2017	6.88		7.31				7.43
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	
10/19/2017						6.85	
2/20/2018	7.32 (D)						7.57
2/21/2018		7.11	7.1	6.95	6.89	6.66	
7/11/2018	7.12						7.48
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		
9/14/2018				6.83		6.76	
3/26/2019							7.49
3/27/2019	6.98		7.23		6.92		
3/28/2019		7.84		6.97		6.67	
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			
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	
8/27/2020					6.88		
10/6/2020	7.01		7.24				7.35
10/7/2020		7.11		7.04	6.91	6.78	
3/3/2021	6.99					6.78	7.56
3/4/2021		7.09	7.34	7.09	6.91		

Constituent: pH (SU) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	6.75						
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	6.64				7.29		6.85
12/8/2016		6.98				6.86	
3/21/2017	6.73			7.01			
3/22/2017		7.16					6.99
3/23/2017					7.26	6.9	
7/11/2017	6.66	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	6.73	7.09					
10/19/2017						6.86	6.91
2/20/2018	7.11				7.26		
2/21/2018		7.12				7.02	6.97
7/11/2018	7		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	6.56	7.03			7.25		6.88
9/14/2018						6.75	
3/26/2019				7			
3/27/2019	6.75	7.08	8.76		7.42		
3/28/2019						6.96	6.96
9/10/2019	6.78						
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	6.84	7.01		7.15	7.23		
3/26/2020						7	7.12
8/25/2020				7.14	7.53		
8/26/2020	6.64	7.09	7.97			6.99	7.01
10/6/2020	6.78		8.72	7.01	7.27		
10/7/2020		6.95				7.04	6.98
3/3/2021	6.79	7.04		7.14	7.41		
3/4/2021						7.22	6.95
3/8/2021			7.77				

Constituent: Selenium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.005
8/31/2016	0.0012 (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				
12/8/2016				<0.005	<0.005	<0.005	
3/21/2017	<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
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		
10/19/2017						<0.005	
2/20/2018	<0.005						<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005	
7/11/2018	<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		
9/14/2018				<0.005		0.0015 (J)	
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			
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)	
8/27/2020					<0.005		
10/6/2020	<0.005		<0.005				<0.005
10/7/2020		<0.005		<0.005	<0.005	0.0035 (J)	
3/3/2021	<0.005					0.0033 (J)	<0.005
3/4/2021		<0.005	<0.005	<0.005	<0.005		

Constituent: Selenium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	0.0014 (J)						
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		<0.005
12/8/2016		<0.005				<0.005	
3/21/2017	<0.005			<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	<0.005		
7/12/2017						<0.005	<0.005
10/17/2017				<0.005	<0.005		
10/18/2017	<0.005	<0.005					
10/19/2017						<0.005	<0.005
2/20/2018	<0.005			<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	<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		<0.005
9/14/2018						<0.005	
10/4/2018			<0.005			<0.005	
10/24/2018			<0.005				
9/10/2019	0.0018 (X)						
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	0.003 (J)	<0.005		<0.005	<0.005		
3/26/2020						<0.005	<0.005
8/25/2020				<0.005	<0.005		
8/26/2020	0.0026 (J)	<0.005	<0.005			<0.005	0.0018 (J)
10/6/2020	0.0027 (J)		<0.005	<0.005	<0.005		
10/7/2020		<0.005				<0.005	<0.005
3/3/2021	0.0025 (J)	<0.005		<0.005	<0.005		
3/4/2021						<0.005	0.0018 (J)
3/8/2021			<0.005				

Constituent: Sulfate (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							2.1
8/31/2016	4.1						
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				
12/8/2016				94	94	84	
3/21/2017	2						2.5
3/22/2017		80	53	100	95		
3/23/2017						90	
7/11/2017	2		52				2.6
7/12/2017		78		100	96	93	
10/17/2017							2.5
10/18/2017	4.2	82	58	100	99		
10/19/2017						92	
2/20/2018	2.4						2.3
2/21/2018		72.2	48.2	98.8	91.8	84.5	
7/11/2018	3.8						2.5
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		
9/14/2018				102		89.5	
3/26/2019							2.7
3/27/2019	8.2		46.5		111		
3/28/2019		90.3		94.7		83.5	
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			
3/26/2020		83.6	43.5		91	84.9	
10/6/2020	11		42.4				2.4
10/7/2020		80.7		89.1	87.3	83.3	
3/3/2021	8.8					80.8	2.2
3/4/2021		74.1	38.9	66.8	88.6		

Constituent: Sulfate (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D	
8/31/2016	29							
9/1/2016							62	
9/8/2016		48						
10/18/2016				2.2	2.3			
12/6/2016				6.1				
12/7/2016	24				1.9		57	
12/8/2016		46				100		
3/21/2017	31			5.7				
3/22/2017		53					61	
3/23/2017					1.7	100		
7/11/2017	37	51		4.8	1.8			
7/12/2017						97	53	
10/17/2017				6.4	1.9			
10/18/2017	34	50						
10/19/2017						97	55	
2/20/2018	34.7			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	35.4		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	37.4	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	41.9	43.7	3.7		2.4			
3/28/2019						76.7	59.6	
9/10/2019	45.1							
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	47	39.1		1.5	1.9			
3/26/2020						66.6	57.1	
10/6/2020	71.2		3.1	0.98 (J)	1.9			
10/7/2020		38.1				54.6	48.9	
3/3/2021	66	39.2		0.6 (J)	2			
3/4/2021						49.3	49.7	
3/8/2021			2.7					

Constituent: TDS (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)
8/30/2016							136
8/31/2016	344						
9/1/2016		284					
9/6/2016			257				
9/7/2016				392	415	508	
12/6/2016							207
12/7/2016	393	242	248				
12/8/2016				431	441	556	
3/21/2017	276						128
3/22/2017		332	304	456	469		
3/23/2017						482	
7/11/2017	263		265				138
7/12/2017		308		445	432	497	
10/17/2017							101
10/18/2017	261	275	240	349	368		
10/19/2017						448	
2/20/2018	295						138
2/21/2018		312	285	411	409	500	
7/11/2018	294						153
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		
9/14/2018				403		486	
3/26/2019							334
3/27/2019	281		277		408		
3/28/2019		337		420		378	
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			
3/26/2020	044	330	286		415	440	152
10/6/2020	241	220	261	202	405	400	153
10/7/2020	050	336		392	425	492	104
3/3/2021	258	200	264	225	407	452	134
3/4/2021		300	264	325	427		

Constituent: TDS (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

		PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8	8/31/2016	400						
9	9/1/2016							373
9	9/8/2016		293					
•	10/18/2016				264	152		
-	12/6/2016				299			
-	12/7/2016	406				214		433
-	12/8/2016		309				503 (o)	
3	3/21/2017	409			260			
3	3/22/2017		299					409
3	3/23/2017					165	430	
7	7/11/2017	414	301		244	162		
7	7/12/2017						438	374
•	10/17/2017				218	140		
•	10/18/2017	366	256					
	10/19/2017						393	318
2	2/20/2018	429			264	163		
2	2/21/2018		297				435	367
4	4/12/2018			69				
ŧ	5/23/2018			62				
6	6/13/2018			93				
7	7/11/2018	440		84	273	192		
7	7/12/2018		310				447	423
8	8/17/2018			115				
9	9/12/2018			97	252			
9	9/13/2018	448	307			192		394
9	9/14/2018						447	
•	10/4/2018			103			450	
•	10/24/2018			110				
3	3/26/2019				253			
3	3/27/2019	410	287	87		167		
3	3/28/2019						405	365
9	9/10/2019	420						
•	10/1/2019					187		
•	10/2/2019		312	95	263			
•	10/3/2019						414	405
3	3/24/2020			123				
3	3/25/2020	454	280		278	178		
3	3/26/2020						336	332
•	10/6/2020	462		81	254	169		
•	10/7/2020		280				337	334
	3/3/2021	444	267		264	166		
	3/4/2021						283	335
3	3/8/2021			126				

Constituent: Thallium (mg/L) Analysis Run 4/6/2021 11:35 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)
8/30/2016							<0.001
8/31/2016	<0.001						
9/1/2016		<0.001					
9/6/2016			<0.001				
9/7/2016				<0.001	<0.001	<0.001	
12/6/2016							<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)						<0.001
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
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)		
10/19/2017						0.0005 (J)	
2/20/2018	<0.001						<0.001
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)	
7/11/2018	<0.001						<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						<0.001
9/13/2018		<0.001	0.00017 (J)		<0.001		
9/14/2018				<0.001		0.00076 (J)	
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)			
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)	
8/27/2020					<0.001		
10/6/2020	<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
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001		

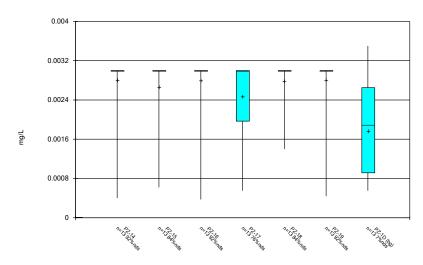
Constituent: Thallium (mg/L) Analysis Run 4/6/2021 11:35 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-7D
8/31/2016	<0.001						
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)				0.0002 (J)		<0.001
12/8/2016		<0.001				<0.001	
3/21/2017	0.0003 (J)			6E-05 (J)			
3/22/2017		<0.001					0.0002 (J)
3/23/2017					8E-05 (J)	0.0001 (J)	
7/11/2017	0.0002 (J)	<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	0.0001 (J)	<0.001					
10/19/2017						0.0001 (J)	0.0001 (J)
2/20/2018	0.00026 (J)			<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	0.00018 (J)		<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		<0.001
9/14/2018						<0.001	
10/4/2018			<0.001			<0.001	
10/24/2018			0.00016 (J)				
9/10/2019	<0.001						
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	0.00015 (J)	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	0.00016 (J)	0.00037 (J)	<0.001			<0.001	<0.001
10/6/2020	<0.001		<0.001	<0.001	<0.001		
10/7/2020		0.00027 (J)				<0.001	<0.001
3/3/2021	0.00017 (J)	0.00036 (J)		<0.001	<0.001		
3/4/2021						<0.001	<0.001
3/8/2021			<0.001				

FIGURE B.

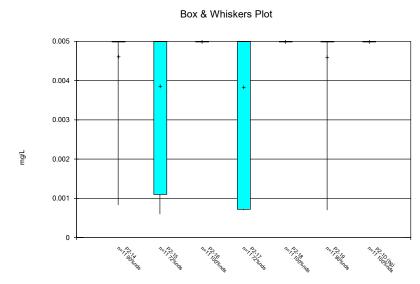
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

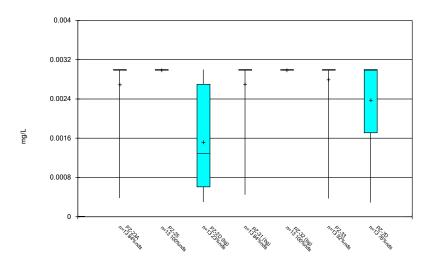
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG



Constituent: Arsenic Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

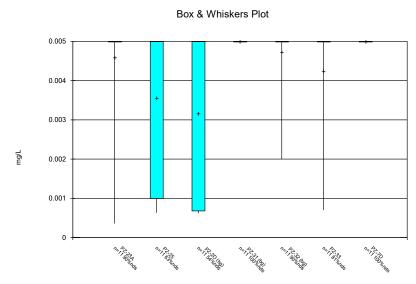
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

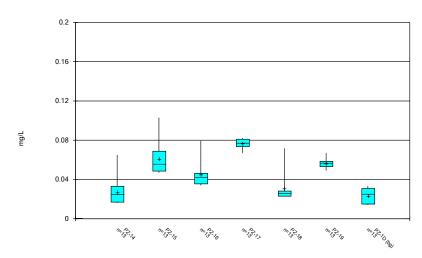
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG



Constituent: Arsenic Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

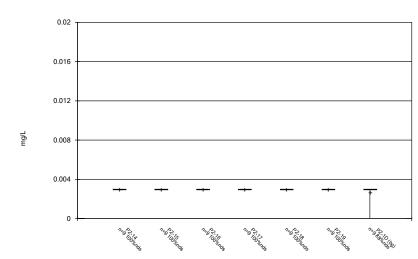


Constituent: Barium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

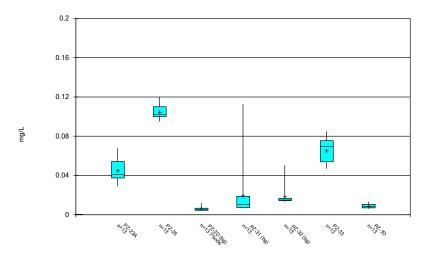
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

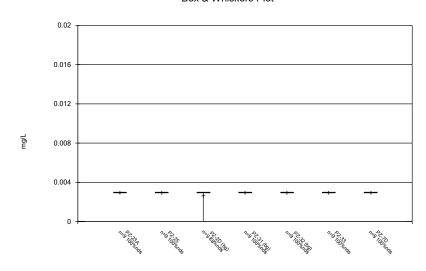


Constituent: Barium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

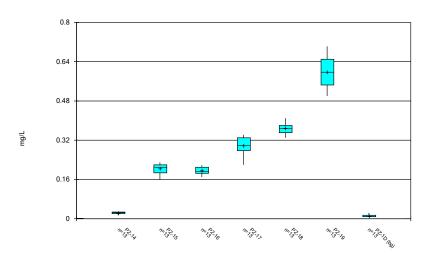
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

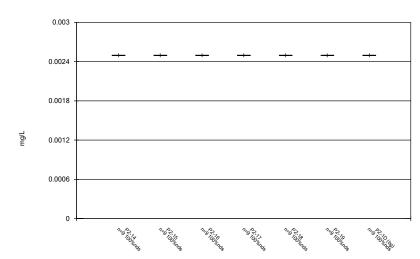
Box & Whiskers Plot



Constituent: Boron Analysis Run 4/6/2021 11:36 AM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

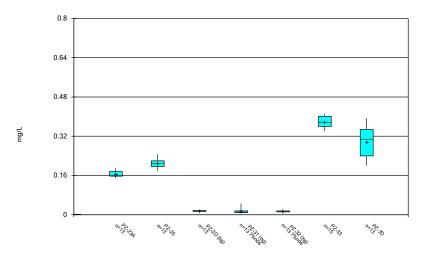
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

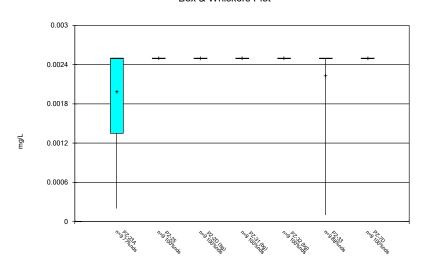


Constituent: Boron Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

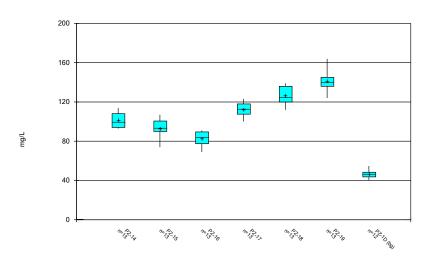
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

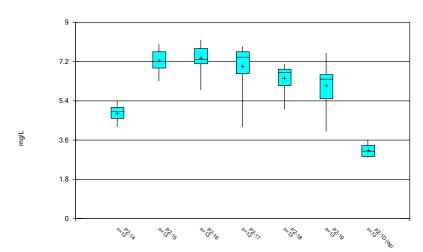


Constituent: Calcium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas[™] v.9.6.28 Groundwater Stats Consulting. UG

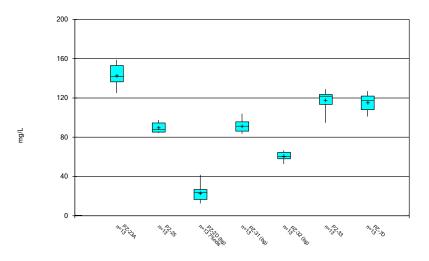
Box & Whiskers Plot



Constituent: Chloride Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

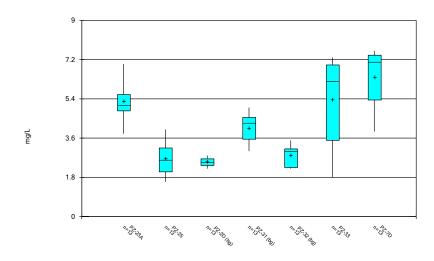


Constituent: Calcium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

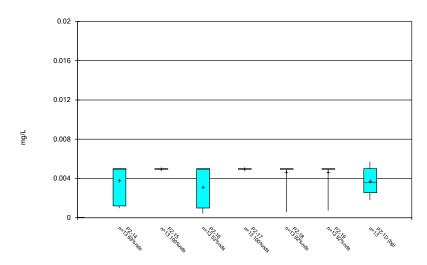
Box & Whiskers Plot



Constituent: Chloride Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

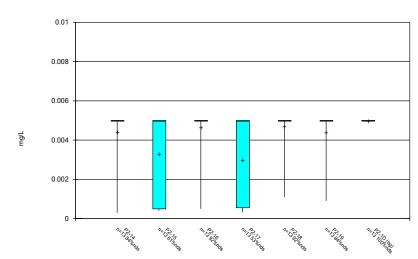
Box & Whiskers Plot



Constituent: Chromium Analysis Run 4/6/2021 11:36 AM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas[™] v.9.6.28 Groundwater Stats Consulting. UG

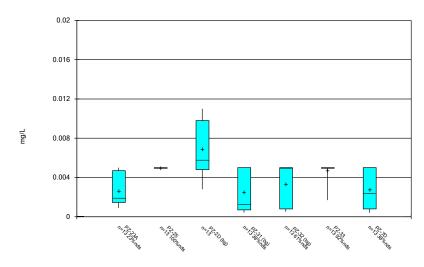
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

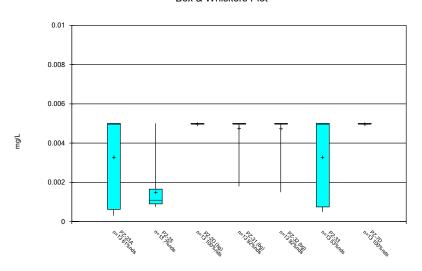


Constituent: Chromium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

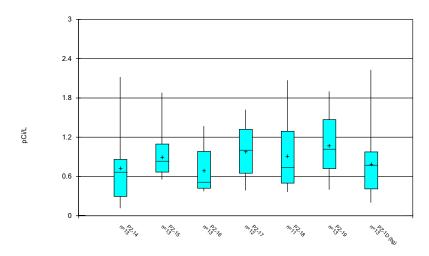
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

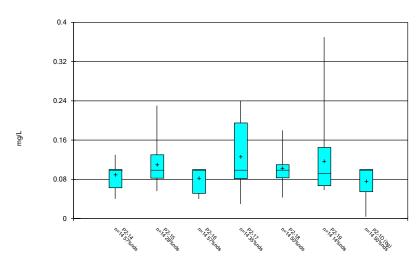
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/6/2021 11:36 AM Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas[™] v.9.6.28 Groundwater Stats Consulting. UG

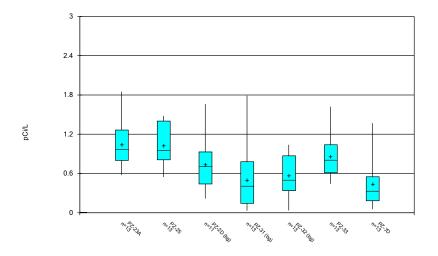
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

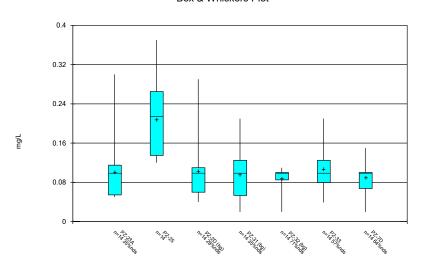
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/6/2021 11:36 AM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

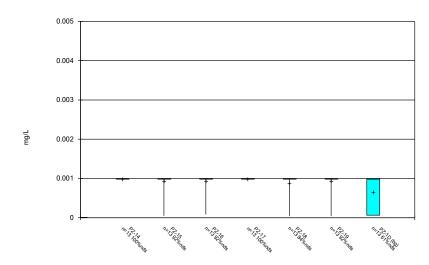
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

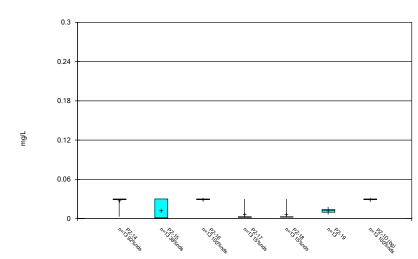
Box & Whiskers Plot



Constituent: Lead Analysis Run 4/6/2021 11:36 AM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

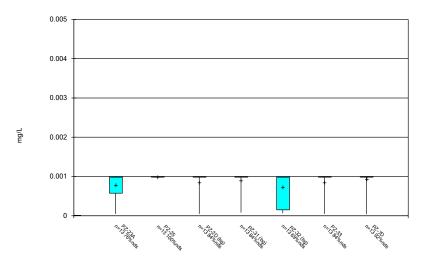
Box & Whiskers Plot



Constituent: Lithium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

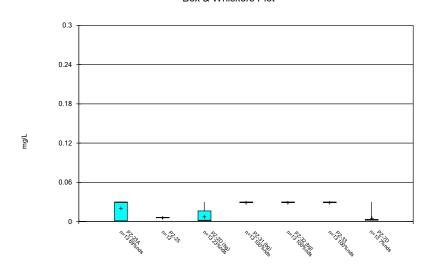


Constituent: Lead Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

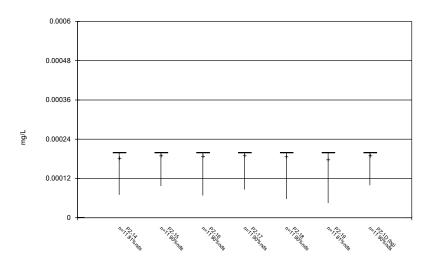
Box & Whiskers Plot



Constituent: Lithium Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

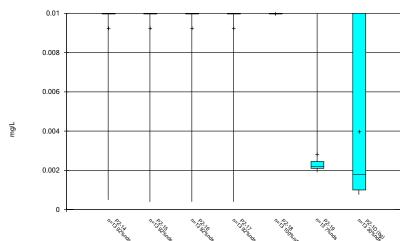


Constituent: Mercury Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

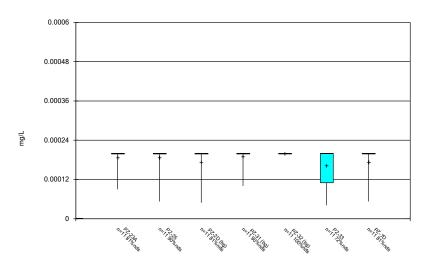
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 4/6/2021 11:36 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

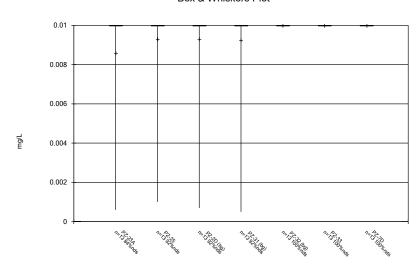


Constituent: Mercury Analysis Run 4/6/2021 11:36 AM

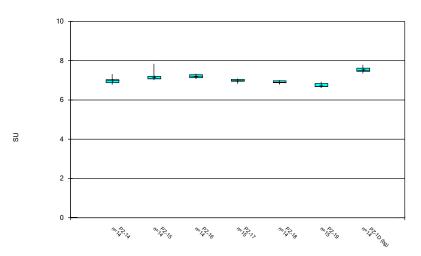
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Box & Whiskers Plot

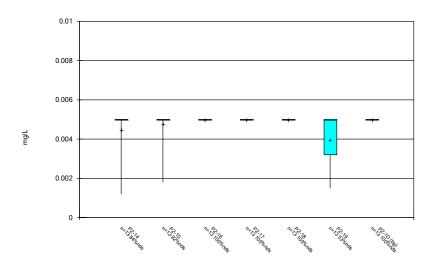


Constituent: pH Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

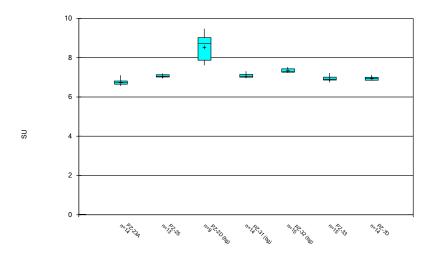
Box & Whiskers Plot



Constituent: Selenium Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

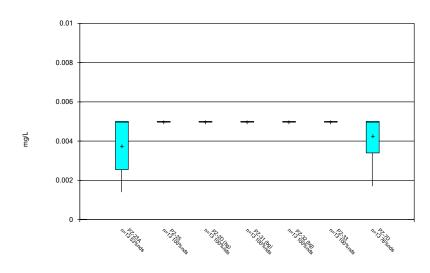


Constituent: pH Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

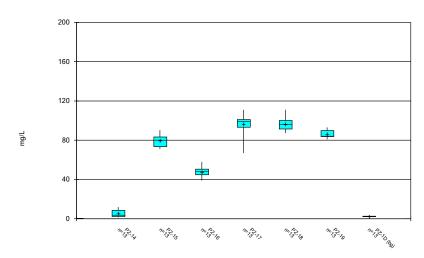
Box & Whiskers Plot



Constituent: Selenium Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

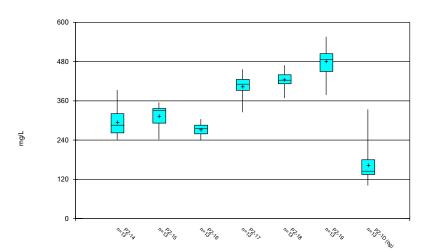


Constituent: Sulfate Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

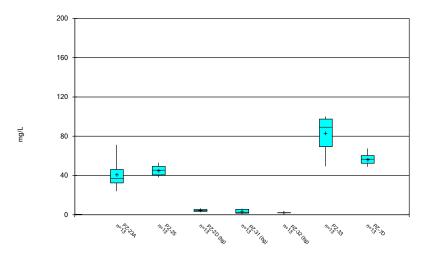
Box & Whiskers Plot



Constituent: TDS Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

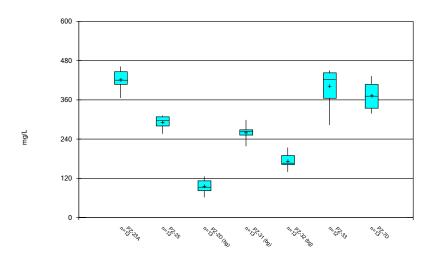


Constituent: Sulfate Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Box & Whiskers Plot



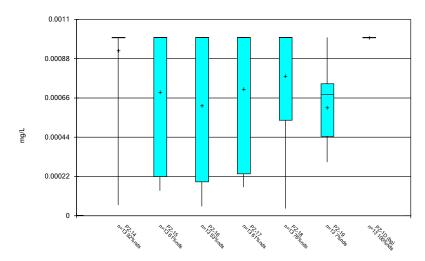
Constituent: TDS Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

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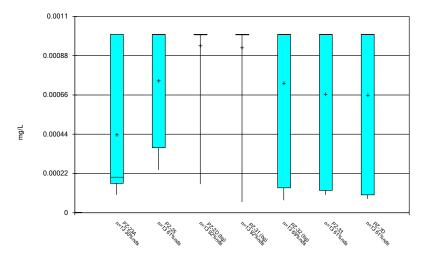


Constituent: Thallium Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG



Constituent: Thallium Analysis Run 4/6/2021 11:37 AM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE C.

						Outli	er Summary	 У	
			Plant	Mitchell	Client: Souther				Printed 4/6/2021, 11:40 AM
		-0.)	(all)						
	PZ-33 Bariur	m (mg/L) PZ-1D Calci	um (mg/L) PZ-33 pH (SU) PZ-33 T	DS (mg/L)				
12/8/2016	0.162 (o)		= 00 ()	503 (o)					
7/11/2017 7/11/2018		65.3 (o)	7.82 (o)						

FIGURE D.

Interwell Prediction Limits - Significant Results

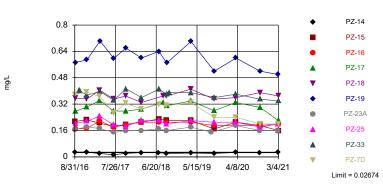
				• • • • • • • • • • • • • • • • • • • •			9			J 0 1 J			
	Plant	Mitchell C	lient: Souther	n Company	Data: Mit	chell Ash P	ond CCR	Printed 3/29	/2021, 1	:59 PM			
Constituent	Well	Upper Lim.	Lower Lim.	<u>Date</u>	Observ.	Sig. Bg 1	N Bg Mean	Std. Dev.	%NDs	ND Adj.	Transforn	Alpha	Method
Boron (mg/L)	PZ-15	0.02674	n/a	3/4/2021	0.16	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02674	n/a	3/4/2021	0.2	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02674	n/a	3/4/2021	0.22	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02674	n/a	3/4/2021	0.37	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02674	n/a	3/3/2021	0.5	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02674	n/a	3/3/2021	0.16	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02674	n/a	3/3/2021	0.2	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02674	n/a	3/4/2021	0.34	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02674	n/a	3/4/2021	0.2	Yes 52	-4.33	0.3495	3.846	None	In(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	108.3	n/a	3/3/2021	114	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	108.3	n/a	3/4/2021	113	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	108.3	n/a	3/4/2021	138	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	108.3	n/a	3/3/2021	142	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	108.3	n/a	3/3/2021	154	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	108.3	n/a	3/4/2021	122	Yes 51	55.76	25.87	1.961	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	4.635	n/a	3/4/2021	6.3	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-16	4.635	n/a	3/4/2021	5.9	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-18	4.635	n/a	3/4/2021	5.1	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-23A	4.635	n/a	3/3/2021	4.7	Yes 52	1.758	0.1947	0	None	sqrt(x)	0.0007523	Param Inter 1 of 2
pH (SU)	PZ-18	9.48	6.96	3/4/2021	6.91	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	3/3/2021	6.78	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	3/3/2021	6.79	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	3/4/2021	6.95	Yes 52	n/a	n/a	0	n/a	n/a	0.001376	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	6.62	n/a	3/3/2021	8.8	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.62	n/a	3/4/2021	74.1	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.62	n/a	3/4/2021	38.9	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.62	n/a	3/4/2021	66.8	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.62	n/a	3/4/2021	88.6	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.62	n/a	3/3/2021	80.8	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.62	n/a	3/3/2021	66	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.62	n/a	3/3/2021	39.2	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.62	n/a	3/4/2021	49.3	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	6.62	n/a	3/4/2021	49.7	Yes 52	1.415	0.2282	0	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-17	311.1	n/a	3/4/2021	325	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	311.1	n/a	3/4/2021	427	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	311.1	n/a	3/3/2021	452	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	311.1	n/a	3/3/2021	444	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	311.1	n/a	3/4/2021	335	Yes 52	173.5	67.92	0	None	No	0.0007523	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Data: Mitchell Ash Pond CCR Client: Southern Company Constituent <u>Well</u> Sig. Bg N Bg Mean Std. Dev. %NDs ND Adj. Upper Lim. Lower Lim. Date Observ. Transform Alpha Method PZ-14 0.0007523 Param Inter 1 of 2 0.02674 3/3/2021 0.028J -4.33 0.3495 3.846 None Boron (mg/L) n/a No 52 In(x) 0.02674 3/4/2021 Boron (mg/L) PZ-15 0.16 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Boron (ma/L) PZ-16 0.02674 n/a 3/4/2021 0.2 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Boron (mg/L) PZ-17 0.02674 n/a 3/4/2021 0.22 Yes 52 0.3495 0.0007523 Param Inter 1 of 2 In(x) Boron (mg/L) P7-18 0.02674 n/a 3/4/2021 0.37 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 PZ-19 0.02674 3/3/2021 0.5 Yes 52 -4.33 0.3495 3.846 None 0.0007523 Param Inter 1 of 2 Boron (mg/L) n/a In(x) None Boron (mg/L) PZ-23A 0.02674 n/a 3/3/2021 0.16 Yes 52 -4.33 0.3495 3.846 In(x) 0.0007523 Param Inter 1 of 2 -4.33 0.0007523 Param Inter 1 of 2 PZ-25 0.02674 n/a 3/3/2021 0.2 Yes 52 0.3495 3.846 Boron (ma/L) None In(x) Boron (mg/L) PZ-33 0.02674 n/a 3/4/2021 0.34 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Boron (ma/L) PZ-7D 0.02674 n/a 3/4/2021 0.2 Yes 52 -4.33 0.3495 3.846 None In(x) 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-14 108.3 n/a 3/3/2021 114 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) P7-15 108.3 n/a 3/4/2021 107 No. 51 55.76 25.87 1 961 None Nο 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-16 108.3 n/a 3/4/2021 90.9 No 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) P7-17 108.3 n/a 3/4/2021 113 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 3/4/2021 55.76 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-18 108.3 n/a 138 Yes 51 25.87 1.961 None No 3/3/2021 Calcium (mg/L) PZ-19 108.3 n/a 142 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 154 Calcium (mg/L) PZ-23A 108.3 n/a 3/3/2021 Yes 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) PZ-25 108.3 n/a 3/3/2021 96.8 No 51 55.76 25.87 1.961 None No 0.0007523 Param Inter 1 of 2 Calcium (mg/L) P7-33 108.3 n/a 3/4/2021 106 No. 51 55.76 25.87 1 961 None Nο 0.0007523 Param Inter 1 of 2 PZ-7D 108.3 3/4/2021 122 Yes 51 55.76 25.87 1.961 0.0007523 Param Inter 1 of 2 Calcium (mg/L) n/a None No Chloride (mg/L) P7-14 4.635 n/a 3/3/2021 42 No 52 1.758 0.1947 Ω sqrt(x) 0.0007523 Param Inter 1 of 2 None 3/4/2021 0.0007523 Param Inter 1 of 2 PZ-15 4.635 6.3 Yes 52 1.758 0.1947 0 Chloride (mg/L) n/a None sqrt(x) Chloride (mg/L) PZ-16 4.635 n/a 3/4/2021 5.9 Yes 52 1.758 0.1947 0 None sqrt(x) 0.0007523 Param Inter 1 of 2 0.0007523 Param Inter 1 of 2 Chloride (mg/L) PZ-17 3/4/2021 4.2 0.1947 0 sqrt(x) 4.635 n/a No 52 1.758 None Chloride (mg/L) PZ-18 4.635 n/a 3/4/2021 5.1 Yes 52 1.758 0.1947 None sqrt(x) 0.0007523 Param Inter 1 of 2 Chloride (mg/L) P7-19 4 635 n/a 3/3/2021 4 No. 52 1 758 0 1947 Ω None sart(x) 0.0007523 Param Inter 1 of 2 PZ-23A 4.635 3/3/2021 4.7 Yes 52 1.758 0.1947 0 0.0007523 Param Inter 1 of 2 Chloride (mg/L) n/a None sqrt(x) Chloride (mg/L) n/a P7-25 4.635 3/3/2021 16 No 52 1 758 0 1947 Ω 0.0007523 Param Inter 1 of 2 None sqrt(x) Chloride (mg/L) PZ-33 4.635 3/4/2021 No 52 1.758 0.1947 0 0.0007523 Param Inter 1 of 2 n/a 1.8 None sqrt(x) 0.1947 Chloride (mg/L) PZ-7D 4.635 3/4/2021 No 52 0 0.0007523 Param Inter 1 of 2 n/a 4 1.758 None sqrt(x) 0.1ND 46.43 0.0006023 NP Inter (normality) 1 of 2 PZ-14 3/3/2021 No 56 Fluoride (mg/L) 0.29 n/a n/a n/a n/a n/a Fluoride (mg/L) PZ-15 0.29 n/a 3/4/2021 0.1ND No 56 n/a n/a 46 43 n/a 0.0006023 NP Inter (normality) 1 of 2 0.0006023 NP Inter (normality) 1 of 2 Fluoride (ma/L) P7-16 0.29 n/a 3/4/2021 0 1ND Nο 56 n/a n/a 46 43 n/a n/a 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) PZ-17 0.29 n/a 3/4/2021 0.1ND No 56 n/a 46.43 n/a Fluoride (mg/L) P7-18 0.29 n/a 3/4/2021 0 1ND Nο 56 n/a n/a 46.43 n/a n/a 0.0006023 NP Inter (normality) 1 of 2 3/3/2021 0.0006023 NP Inter (normality) 1 of 2 PZ-19 0.29 0.058J No 56 n/a 46.43 n/a Fluoride (mg/L) n/a n/a n/a PZ-23A 0.29 3/3/2021 0.1ND No 46 43 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) n/a 56 n/a n/a n/a n/a 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) PZ-25 0.29 n/a 3/3/2021 0.12 No 56 n/a n/a 46.43 n/a n/a PZ-33 3/4/2021 0.1ND 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) 0.29 n/a No 56 n/a n/a 46.43 n/a n/a 46.43 0.0006023 NP Inter (normality) 1 of 2 Fluoride (mg/L) PZ-7D 0.29 n/a 3/4/2021 0.1ND No 56 n/a n/a n/a n/a pH (SU) PZ-14 9.48 6.96 3/3/2021 6.99 No 52 n/a n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-15 9.48 6.96 3/4/2021 7.09 No 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 PZ-16 6.96 3/4/2021 0.001376 NP Inter (normality) 1 of 2 pH (SU) 9.48 7.34 No 52 0 n/a n/a n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-17 9.48 6.96 3/4/2021 7.09 No 52 0 n/a n/a n/a n/a 0.001376 NP Inter (normality) 1 of 2 9.48 6.96 3/4/2021 6.91 0 n/a pH (SU) PZ-18 Yes 52 n/a n/a n/a pH (SU) PZ-19 3/3/2021 6.78 Yes 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) P7-23A 9.48 6.96 3/3/2021 6.79 Yes 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-25 9.48 6.96 3/3/2021 7.04 No 52 n/a 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-33 9.48 6.96 3/4/2021 7.22 No 52 n/a n/a 0 n/a n/a 0.001376 NP Inter (normality) 1 of 2 3/4/2021 0.001376 NP Inter (normality) 1 of 2 pH (SU) PZ-7D 9.48 6.96 6.95 Yes 52 n/a n/a 0 n/a n/a PZ-14 6.62 3/3/2021 8.8 Yes 52 1.415 0.2282 0 x^(1/3) 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) n/a None Sulfate (mg/L) PZ-15 6.62 3/4/2021 74.1 Yes 52 1.415 0.2282 0 $x^{(1/3)}$ 0.0007523 Param Inter 1 of 2 n/a None 6.62 3/4/2021 38.9 0.2282 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) PZ-16 n/a Yes 52 1.415 0 None x^(1/3) Sulfate (mg/L) P7-17 6.62 n/a 3/4/2021 66.8 Yes 52 1.415 0.2282 0 None x^(1/3) 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) PZ-18 6.62 n/a 3/4/2021 88.6 Yes 52 1.415 0.2282 0 x^(1/3) 0.0007523 Param Inter 1 of 2 Sulfate (mg/L) P7-19 6.62 n/a 3/3/2021 80.8 Yes 52 1.415 0.2282 0 x^(1/3) 0.0007523 Param Inter 1 of 2 None PZ-23A 6.62 3/3/2021 Yes 52 0.2282 0.0007523 Param Inter 1 of 2 66 1.415 0 x^(1/3) Sulfate (mg/L) n/a None Sulfate (mg/L) PZ-25 6.62 n/a 3/3/2021 39.2 Yes 52 1.415 0.2282 0 None x^(1/3) 0.0007523 Param Inter 1 of 2 0 0.0007523 Param Inter 1 of 2 PZ-33 6.62 3/4/2021 49.3 Yes 52 0.2282 Sulfate (mg/L) n/a 1.415 None $x^{(1/3)}$ Sulfate (mg/L) PZ-7D 6.62 n/a 3/4/2021 49.7 Yes 52 1.415 0.2282 0 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-14 311.1 n/a 3/3/2021 258 No 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-15 311.1 n/a 3/4/2021 300 No 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-16 311.1 n/a 3/4/2021 264 No 52 173.5 67.92 0 None No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-17 3/4/2021 325 Yes 52 173.5 67.92 0 0.0007523 Param Inter 1 of 2 311.1 n/a None No 3/4/2021 427 Yes 52 173.5 0 No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-18 311.1 n/a 67.92 None 3/3/2021 PZ-19 452 Yes 52 173.5 67.92 0 0.0007523 Param Inter 1 of 2 TDS (mg/L) 311.1 n/a None No 3/3/2021 No TDS (mg/L) PZ-23A 311.1 n/a 444 Yes 52 173.5 67.92 0 None 0.0007523 Param Inter 1 of 2 267 67.92 0 No TDS (mg/L) PZ-25 311.1 n/a 3/3/2021 No 52 173.5 None 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-33 n/a 3/4/2021 283 52 173.5 67.92 0 No 0.0007523 Param Inter 1 of 2 TDS (mg/L) PZ-7D 311.1 n/a 3/4/2021 335 Yes 52 173.5 67.92 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



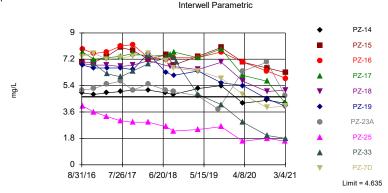
Background Data Summary (based on natural log transformation): Mean=-4.33, Std. Dev.=0.3495, n=52, 3.846% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9452, critical = 0.937. Kappa = 2.027 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Boron Analysis Run 3/29/2021 1:55 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Exceeds Limit: PZ-15, PZ-16, PZ-18, PZ-23A

Prediction Limit

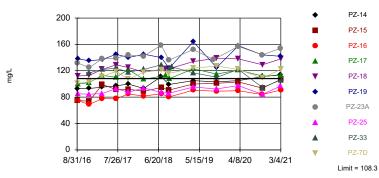


Background Data Summary (based on square root transformation): Mean=1,758, Std. Dev.=0.1947, n=52. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9497, critical = 0.937. Kappa = 2.027 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Exceeds Limit: PZ-14, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-7D

Prediction Limit
Interwell Parametric

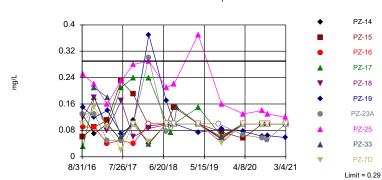


Background Data Summary: Mean=55.76, Std. Dev.=25.87, n=51, 1.961% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.965, critical = 0.935. Kappa = 2.03 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Calcium Analysis Run 3/29/2021 1:55 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas $^{\text{\tiny{to}}}$ v.9.6.28 Groundwater Stats Consulting. UG 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 56 background values. 46.43% NDs. Annual perconstituent alpha = 0.01198. Individual comparison alpha = 0.0006023 (1 of 2). Comparing 10 points to limit.

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

7D

Prediction Limit Exceeds Limits: PZ-18, PZ-19, PZ-23A, PZ-Interwell Non-parametric PZ-14 10 PZ-15 PZ-16 PZ-17 PZ-18 S PZ-19 PZ-23A PZ-25 2 PZ-33 0 Limit = 9.48

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 52 background values. Annual perconstituent alpha = 0.02733. Individual comparison alpha = 0.001376 (1 of 2). Comparing 10 points to limit.

3/4/21

Limit = 6.96

8/31/16 7/26/17 6/20/18 5/15/19 4/8/20

Constituent: pH Analysis Run 3/29/2021 1:55 PM View: Appendix III Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

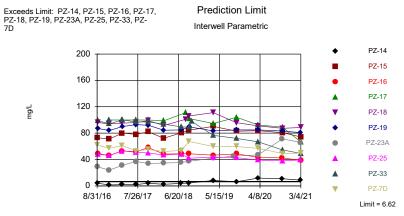
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Exceeds Limit: PZ-17, PZ-18, PZ-19, PZ-**Prediction Limit** 23A, PZ-7D Interwell Parametric PZ-14 600 PZ-15 480 PZ-16 PZ-17 360 PZ-18 PZ-19 240 PZ-23A 120 PZ-25 PZ-33 PZ-7D 8/31/16 7/26/17 6/20/18 5/15/19 4/8/20 3/4/21 Limit = 311.1

Background Data Summary: Mean=173.5, Std. Dev.=67.92, n=52. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.964, critical = 0.937. Kappa = 2.027 (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 3/29/2021 1:55 PM View: Appendix III Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG



Background Data Summary (based on cube root transformation): Mean=1.415, Std. Dev.=0.2282, n=52. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9435, critical = 0.937. Kappa = 2.027 (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 3/29/2021 1:55 PM View: Appendix III Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Constituent: Boron (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III

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-17	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							0.355	0.276	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							0.351	0.303	0.588
3/21/2017	0.0082 (J)	0.0198 (J)	0.172						
3/22/2017				0.365	0.205	0.218	0.405	0.342	
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		0.35	0.278	0.598
10/17/2017	0.0083 (J)								
10/18/2017		0.0212 (J)	0.158		0.197	0.195	0.37	0.277	
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	0.33	0.29	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		0.02. (7.)		0.24	0	0.10	0.35	0.20	0.52
3/24/2020	0.013 (J)			0.21			0.00		0.02
3/25/2020	5.0.0 (5)	0.027 (J)	0.19					0.33	
3/26/2020		3.027 (3)	5.10	0.24	0.21	0.19	0.36	3.00	0.6
10/6/2020	0.015 (J)	0.026 (J)	0.16	J.27	J.2.1	0.19	5.00		0.0
10/7/2020	3.010 (0)	5.020 (5)	5.10	0.2	0.19	5.10	0.39	0.3	0.52
3/3/2021	0.01 (J)	0.028 (J)	0.16	V. <u>C</u>	5.15		0.00	0.0	0.52
3/4/2021	0.01 (0)	0.020 (3)	0.10	0.2	0.16	0.2	0.37	0.22	0.5
3/8/2021				J. <u>L</u>	5.10	J. <u>Z</u>	0.07	V.22	
3/0/2021									

Constituent: Boron (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-31 (bg)	PZ-32 (bg)	PZ-2D (bg)
8/30/2010					
8/31/2010					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016					
10/5/2010		0.404			
10/10/201		0.401			
10/18/20		5. 7 01	0.0174 (J)	0.0156 (J)	
12/6/201			0.0174 (J) 0.0133 (J)	0.0130 (0)	
12/7/2010			0.0100 (0)	0.0157 (J)	
		0.275		0.0137 (3)	
12/8/2010		0.375	0.0102 (1)		
3/21/201			0.0103 (J)		
3/22/201		0.000		0.0462.73	
3/23/201		0.396		0.0103 (J)	
7/11/201			<0.04	<0.04	
7/12/201		0.343			
10/17/20			0.0116 (J)	0.0142 (J)	
10/18/20					
10/19/20		0.413			
2/20/2018	8		0.046 (J)	0.011 (J)	
2/21/201	8 0.22	0.36			
4/12/2018	18				0.016 (J)
5/23/2018	18				0.018 (J)
6/13/2018	8				0.014 (J)
7/11/2018	8		0.014 (J)	0.014 (J)	0.017 (J)
7/12/2018	8 0.22	0.41			
8/15/2018	18				
8/16/2018					
8/17/2018					0.015 (J)
9/12/2018			0.0098 (J)		0.013 (J)
9/13/201			.,	0.013 (J)	.,
9/14/201		0.38		(-)	
10/4/201		0.39			0.016 (J)
10/24/20		5.50			0.018 (J)
3/26/2019			0.0076		3.3.3 (0)
3/27/2019			0.0070	0.012	0.016
		0.30		0.012	0.010
3/28/2019		0.39			
9/10/2019				0.014.00	
10/1/2019			0.0001.00	0.011 (X)	0.044.00
10/2/2019		0.00	0.0084 (X)		0.011 (X)
10/3/2019		0.36			
3/24/2020					0.015 (J)
3/25/2020			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		0.35			
3/3/2021			0.0087 (J)	0.022 (J)	
3/4/2021		0.34			
3/8/2021	I				0.013 (J)

Constituent: Calcium (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III
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-17	PZ-19
8/3	30/2016	40.4								
8/3	31/2016		92.9	132						
9/	1/2016				101	74.8				
9/6	6/2016						74.6			
9/	7/2016							112	100	138
9/8	8/2016									
10)/18/2016									
12	2/6/2016	43.3								
12	2/7/2016		93.1	125	103	74	68.9			
12	2/8/2016							113	102	135
3/2	21/2017	44.1	95	138						
3/2	22/2017				111	99.3	77.8	122	113	
3/2	23/2017									137
7/	11/2017	47.4	97.1	139			77.3			
7/	12/2017				119	91.4		129	110	145
10)/17/2017	48.7								
10)/18/2017		100	144		92	84.7	125	122	
10)/19/2017				107					140
2/2	20/2018	46.8	93.1	142						
2/2	21/2018				118	89	81.8	118	107	145
4/	12/2018									
5/2	23/2018									
6/	13/2018									
7/	11/2018	65.3 (o)	111	159						
7/	12/2018				121	94.5	85.2			140
8/	15/2018							123		
8/	16/2018								113	
8/	17/2018									
9/	12/2018	46.6	99.3							
9/	13/2018			136	116	90.8	80.2	123		
9/	14/2018								108	124
10)/4/2018									
10)/24/2018									
3/2	26/2019	43.3								
3/2	27/2019		105	152			90.5	134		
3/2	28/2019				124	100			123	164
9/	10/2019			137						
10	0/1/2019	46.8								
10	0/2/2019		103			101	89.1		115	
10	0/3/2019				127			139		125
3/2	24/2020	48								
3/2	25/2020		105	157					121	
3/2	26/2020				122	103	89.8	138		158
	0/6/2020	50.5	111	144			84			
10	0/7/2020				109	93.5		129	112	144
3/3	3/2021	54.7	114	154						142
3/4	4/2021				122	107	90.9	138	113	
3/8	8/2021									

Constituent: Calcium (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

			Plant Mitchel	ii Client: Southern	n 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		0.1.0			
10/1/2019		64.3			
10/2/2019	92.3		95.5	110	21
10/3/2019				110	
3/24/2020	07.5	00.0	05.0		26.5
3/25/2020	97.5	66.6	95.8	100	
3/26/2020		60.0		122	00.7
10/6/2020	84.2	62.8	98.8	04.7	22.7
10/7/2020	84.2	C4 0 (M41)	104	94.7	
3/3/2021	96.8	64.8 (M1)	104	106	
3/4/2021 3/8/2021				106	41.7
3/8/2U2					41.7

Constituent: Chloride (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III 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
8/30/2016	3.1								
8/31/2016		4.9	5.1						
9/1/2016				7	7.4				
9/6/2016						7.9			
9/7/2016							7.7	6.9	6.8
9/8/2016									
10/18/2016									
12/6/2016	3.4								
12/7/2016		4.8	5.2	7	7.6	7.6			
12/8/2016							7.2	6.8	6.6
3/21/2017	2.9	4.9	5.5						
3/22/2017				7.4	7.2	7.7	7.3	6.8	
3/23/2017									6.6
7/11/2017	3.4	5	5.7			8.1			
7/12/2017				8	7.3		7.4	6.7	6.6
10/17/2017	3.3								
10/18/2017		5.1	5.1	7.8		8.2	7.6	6.8	
10/19/2017					7.4				6.5
2/20/2018	3.3	5.1	5.5						
2/21/2018				7.2	7.6	7.3	7.4	7.1	7.6
4/12/2018									
5/23/2018									
6/13/2018	0.0		5.4						
7/11/2018	2.9	4.9	5.1	7.5	7.4	7.0			0.0
7/12/2018				7.5	7.1	7.2		6.7	6.3
8/15/2018 8/16/2018							7.5	6.7	
8/17/2018							7.5		
9/12/2018	2.8	4.8							
9/13/2018	2.0	4.0	5	6.8	6.6	7.3		6.7	
9/14/2018			3	0.8	0.0	7.5	7.7	0.7	6.1
10/4/2018							77		0.1
10/24/2018									
3/26/2019	3.3								
3/27/2019		5.2	4.7			7.3		6.5	
3/28/2019				7.4	6.4		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					5.9			7	5.6
3/24/2020	2.8								
3/25/2020		4.2	6.4				6.1		
3/26/2020				7	4.8	7		5.7	5.4
10/6/2020	3	4.4	7			6.4			
10/7/2020				6.6	3.9		5.7	5	4.5
3/3/2021	2.8	4.2	4.7						4
3/4/2021				6.3	4	5.9	4.2	5.1	
3/8/2021									

Constituent: Chloride (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

			- I lanc iviii	onen. Col	Jacob Company Bata. Milateli 7617 ond Core
	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

Constituent: Fluoride (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III
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
8/30/2016	0.06 (J)								
8/31/2016		0.13 (J)	0.13 (J)						
9/1/2016				0.06 (J)	<0.1				
9/6/2016						0.09 (J)			
9/7/2016							0.03 (J)	0.12 (J)	0.15 (J)
9/8/2016									
10/18/2016									
12/6/2016	0.06 (J)								
12/7/2016		0.07 (J)	0.13 (J)	0.09 (J)	0.15 (J)	0.09 (J)			
12/8/2016		,	. ,	. ,	. ,	. ,	0.18 (J)	0.18 (J)	0.12 (J)
3/21/2017	0.004 (J)	<0.1	0.05 (J)				, ,	, ,	, ,
3/22/2017	(,,		(1)	0.11 (J)	0.09 (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)	(0)	(5)	0.23 (J)	0.02 (J)	(0)	0.21 (J)	0.17 (J)	0.07 (J)
10/17/2017	<0.1			(-)	(-)		5.2 (5)	(5)	(0)
10/18/2017	· · ·	0.11 (J)	<0.1	0.19 (J)		0.04 (J)	0.24 (J)	0.06 (J)	
10/19/2017		0(0)	· · ·	0.10 (0)	<0.1	0.01 (0)	0.2 (0)	0.00 (0)	<0.1
2/20/2018	0.098 (J)	0.04 (J)	0.3 (J)						
2/21/2018	0.000 (0)	0.04 (0)	0.0 (0)	0.093 (J)	0.045 (J)	<0.1	0.24 (J)	0.086 (J)	0.37
4/12/2018				0.000 (0)	0.040 (0)	-0.1	0.24 (0)	0.000 (0)	0.07
5/23/2018									
6/13/2018									
7/11/2018	<0.1	<0.1	0.077 (J)						
7/11/2018	30.1	-0.1	0.077 (0)	<0.1	<0.1	<0.1			0.17 (J)
8/15/2018				30.1	30.1	-0.1		<0.1	0.17 (0)
8/16/2018							0.073 (J)	~0.1	
8/17/2018							0.073 (0)		
9/12/2018	0.034 (J)	<0.1							
9/13/2018	0.034 (3)	~0.1	<0.1	0.15 (J)	<0.1	<0.1		<0.1	
9/13/2018			~0.1	0.13 (3)	~0.1	~0.1	<0.1	~0.1	<0.1
10/4/2018							-0.1		30.1
10/4/2018									
3/26/2019	<0.1								
3/27/2019	<0.1	<0.1	<0.1			<0.1		<0.1	
3/28/2019		~0.1	~0.1	0.1	<0.1	~0.1	0.15	~0.1	0.074
9/10/2019			<0.1	0.1	~ 0.1		0.15		0.074
10/1/2019	0.062 (X)		<0.1						
10/1/2019	0.002 (X)	0.056 (X)		0.075 (X)		0.053 (X)	0.063 (X)		
10/2/2019		0.030 (A)		0.075 (A)	0.041 (V)	0.055 (A)	0.003 (A)	0.042 (V)	0.084 (X)
3/24/2020	-0.1				0.041 (X)			0.043 (X)	0.064 (A)
	<0.1	-0.1	0.066 (1)				-0.1		
3/25/2020		<0.1	0.066 (J)	0.050 (1)	-0.1	-0.4	<0.1	-0.1	0.077 (1)
3/26/2020	-0.4			0.056 (J)	<0.1	<0.1		<0.1	0.077 (J)
8/25/2020	<0.1	-0.4	0.057 (1)	-0.1	-0.1	-0.1	-0.1		0.000 (1)
8/26/2020		<0.1	0.057 (J)	<0.1	<0.1	<0.1	<0.1		0.062 (J)
8/27/2020	.0.4	.0.4	0.050 (1)					<0.1	
10/6/2020	<0.1	<0.1	0.052 (J)	.0.4	.0.4	<0.1	0.4		0.0047.
10/7/2020	-0.1	-0.4	-0.1	<0.1	<0.1		<0.1	<0.1	0.064 (J)
3/3/2021	<0.1	<0.1	<0.1	-0.1	-0.1	-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									

Constituent: Fluoride (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III
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	0.25 (J)				
10/18/2016		0.16 (J)	0.11 (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	0.10 (0)		<0.1	0.18 (J)	
7/11/2017	0.23 (J)	0.06 (J)	0.02 (J)	0.10 (0)	
7/12/2017	0.23 (3)	0.00 (0)	0.02 (0)	0.06 (J)	
10/17/2017		0.05 (1)	<0.1	0.00 (0)	
10/17/2017	0.38 (1)	0.05 (J)	~ 0.1		
	0.28 (J)			-0.1	
10/19/2017		0.04 (1)		<0.1	
2/20/2018	0.00 (1)	0.21 (J)	<0.1	0.000 (1)	
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		0.087 (J)	<0.1		<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
3/0/2021					·v. i

Constituent: pH (SU) Analysis Run 3/29/2021 1:59 PM View: Appendix III 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
8/30/2016	7.67								
8/31/2016		6.97	6.75						
9/1/2016				7.07	7.21				
9/6/2016						7.23			
9/7/2016							6.71	6.92	7.02
9/8/2016									
10/4/2016									
10/5/2016									
10/17/2016									
10/18/2016									
12/6/2016	7.57								
12/7/2016		6.85	6.64	6.85	7.13	7.3			
12/8/2016							6.61	6.9	6.95
3/21/2017	7.54	7.04	6.73						
3/22/2017				6.99	7.04	7.2		7	7.05
3/23/2017							6.69		
7/11/2017	7.43	6.88	6.66			7.31			
7/12/2017				6.83	7.09		6.69	6.95	7.06
10/17/2017	7.7								
10/18/2017		6.77	6.73		7.2	7.28	6.88		6.99
10/19/2017				6.91			6.85		
2/20/2018	7.57	7.32 (D)	7.11						
2/21/2018				6.97	7.11	7.1	6.66	6.89	6.95
7/11/2018	7.48	7.12	7						
7/12/2018				6.85	7.07	7.14	6.84	7.01	7.06
8/15/2018								6.87	
8/16/2018									7.01
9/12/2018	7.41	6.87							
9/13/2018			6.56	6.88	7.01	7.08		6.86	
9/14/2018							6.76		6.83
3/26/2019	7.49								
3/27/2019		6.98	6.75			7.23		6.92	
3/28/2019				6.96	7.84		6.67		6.97
9/10/2019			6.78						
10/1/2019	7.5								
10/2/2019		6.96			7.22	7.22			6.99
10/3/2019				6.85			6.93	6.78	
3/24/2020	7.79								
3/25/2020		7.02	6.84						6.93
3/26/2020				7.12	7.08	7.12	6.7	7.01	
8/25/2020	7.49								
8/26/2020		6.98	6.64	7.01	7.08	7.18	6.68		6.98
8/27/2020								6.88	
10/6/2020	7.35	7.01	6.78			7.24			
10/7/2020				6.98	7.11		6.78	6.91	7.04
3/3/2021	7.56	6.99	6.79				6.78		
3/4/2021				6.95	7.09	7.34		6.91	7.09
3/8/2021									

Constituent: pH (SU) Analysis Run 3/29/2021 1:59 PM View: Appendix III 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 10/4/2016 6.88 10/5/2016 10/17/2016 7.43 10/18/2016 7.45 7.04
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 7.45 7.15
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
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
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
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
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
10/4/2016 6.88 10/5/2016 6.91 10/17/2016 7.43 10/18/2016 7.45 7.15
10/5/2016 6.91 10/17/2016 7.43 10/18/2016 7.45 7.15
10/17/2016 7.43 10/18/2016 7.45 7.15
10/18/2016 7.45 7.15
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 7.10 3/23/2017 6.9 7.26
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

Constituent: Sulfate (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III 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
8/30/2016	2.1								
8/31/2016		4.1	29						
9/1/2016				73	62				
9/6/2016						49			
9/7/2016							99	96	87
9/8/2016									
10/18/2016									
12/6/2016	2.4								
12/7/2016		1.5	24	71	57	46	24		0.4
12/8/2016	2.5	0	21				94	94	84
3/21/2017	2.5	2	31	00	C1	50	100	05	
3/22/2017				80	61	53	100	95	00
3/23/2017 7/11/2017	2.6	2	27			F2			90
7/11/2017	2.6	2	37	70	F2	52	100	06	02
	2.5			78	53		100	96	93
10/17/2017 10/18/2017	2.5	4.2	24	82		58	100	00	
10/19/2017		4.2	34	62	EE	36	100	99	02
2/20/2018	2.2	2.4	24.7		55				92
2/20/2018	2.3	2.4	34.7	72.2	52.1	48.2	98.8	91.8	84.5
4/12/2018				72.2	32.1	40.2	90.0	91.0	04.5
5/23/2018									
6/13/2018									
7/11/2018	2.5	3.8	35.4						
7/11/2018	2.5	3.0	33.4	80.5	53.9	48.8			84.9
8/15/2018				00.5	33.3	40.0		101	04.0
8/16/2018							111	101	
8/17/2018									
9/12/2018	2	4.3							
9/13/2018			37.4	84.4	67.5	48.7		106	
9/14/2018							102		89.5
10/4/2018									
10/24/2018									
3/26/2019	2.7								
3/27/2019		8.2	41.9			46.5		111	
3/28/2019				90.3	59.6		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					59.6			95.8	84.9
3/24/2020	3								
3/25/2020		11.9	47				92.4		
3/26/2020				83.6	57.1	43.5		91	84.9
10/6/2020	2.4	11	71.2			42.4			
10/7/2020				80.7	48.9		89.1	87.3	83.3
3/3/2021	2.2	8.8	66						80.8
3/4/2021				74.1	49.7	38.9	66.8	88.6	
3/8/2021									

Constituent: Sulfate (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III 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	7	1.9	6.4		
10/18/2017					
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	3				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		3.55 (0)	54.6	 -
3/3/2021	39.2	2	0.6 (J)		
3/4/2021		=	(0)	49.3	
3/8/2021				.5.0	2.7
0/0/2021					

Constituent: TDS (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III

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
9/8/2016									
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	00.	281	410			277	408		
3/28/2019				337	365			420	378
9/10/2019			420						
10/1/2019	146		.20						
10/2/2019		312		355		284		415	
10/3/2019		0.2			405	20.	464		485
3/24/2020	228								
3/25/2020	220	330	454					408	
3/26/2020				330	332	286	415	.50	440
10/6/2020	153	241	462			261			
10/7/2020	.50			336	334		425	392	492
3/3/2021	134	258	444				.20	552	452
3/4/2021	.54			300	335	264	427	325	
3/8/2021				550	000	207	76/	020	
S. G. EUZ I									

Constituent: TDS (mg/L) Analysis Run 3/29/2021 1:59 PM View: Appendix III

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	293				
10/18/2016		152	264		
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	162	244		
7/12/2017				438	
10/17/2017		140	218		
10/18/2017	256	-	-		
10/19/2017				393	
2/20/2018		163	264		
2/21/2018	297	- 	 -	435	
4/12/2018					69
5/23/2018					62
6/13/2018					93
7/11/2018		192	273		84
7/12/2018	310	.02	2.0	447	Ç.
8/15/2018					
8/16/2018					
8/17/2018					115
9/12/2018			252		97
9/13/2018	307	192	202		•
9/14/2018	007	102		447	
10/4/2018				450	103
10/4/2018				750	110
3/26/2019			253		
3/27/2019	287	167	200		87
3/28/2019	207	107		405	.,
9/10/2019				700	
		187			
10/1/2019 10/2/2019	312	187	263		95
10/3/2019	312		203	414	
3/24/2020				414	123
	200	170	279		123
3/25/2020	280	178	278	336	
3/26/2020		160	254	336	04
10/6/2020	200	169	254	227	81
10/7/2020	280	100	004	337	
3/3/2021	267	166	264	000	
3/4/2021				283	
3/8/2021					126

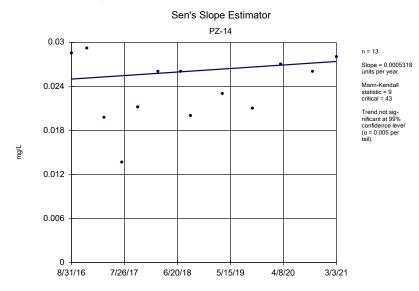
FIGURE E.

Trend Tests - Prediction Limit Exceedances - Significant Results

	Plant Mitchell	Client: Southern Company	Data: Mitchell Ash Pond CCR		CCR P	Printed 4/7/2021, 9:30 AM						
Constituent	Well		Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	<u>Xform</u>	<u>Alpha</u>	Method
Boron (mg/L)	PZ-7D		-0.04161	-52	-43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-14		4.461	57	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18		5.393	49	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)		2.947	45	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16		-0.328	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)		-0.4113	-53	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14		1.83	55	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16		-2.833	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A		6.884	68	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25		-3.09	-50	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)		-1.26	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33		-11.71	-66	-43	Yes	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A		14.87	50	43	Yes	13	0	n/a	n/a	0.01	NP

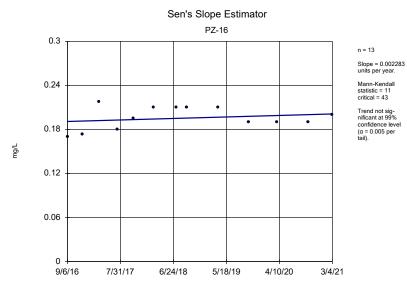
Trend Tests - Prediction Limit Exceedances - All Results

	Plant Mitchell	Client: Southern Company	Data: Mitchell Ash Pond CCR			Printed 4/7/2021, 9:30 AM						
Constituent	Well		Slope	Calc.	Critical	Sig.	<u>N</u>	%NDs	Normality	<u>Xform</u>	<u>Alpha</u>	Method
Boron (mg/L)	PZ-14		0.0005318	9	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-15		-0.00655	-22	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16		0.002283	11	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-17		0.000899	3	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-18		0.003034	13	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19		-0.02363	-22	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)		0.00004716	1	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A		0	-2	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-25		-0.002954	-15	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)		-0.0005962	-12	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)		-0.001685	-31	-43	No	13	7.692	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)		0.0001928	5	43	No	13	7.692	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-33		-0.01081	-42	-53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-7D		-0.04161	-52	-43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-14		4.461	57	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-17		2.602	29	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-18		5.393	49	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-19		1.408	16	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)		1.944	38	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-23A		4.923	37	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)		5.858	32	43	No	13	7.692	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)		2.947	45	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-32 (bg)		1.7	32	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-7D		4.55	41	43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-15		-0.1368	-19	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-16		-0.328	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-18		-0.2815	-42	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-1D (bg)		-0.0626	-22	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-23A		-0.09968	-11	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)		-0.0439	-12	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-31 (bg)		-0.4113	-53	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-32 (bg)		-0.2364	-41	-43	No	13	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18		-0.006518	-14	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19		0.009682	15	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)		-0.02468	-19	-48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A		0.01518	19	48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)		-0.3577	-14	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)		0	0	48	No	14	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)		-0.004097	-4	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	PZ-7D		0.01185	10	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-14		1.83	55	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-15		1.847	28	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-16		-2.833	-44	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-17		-2.368	-19	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-18		-1.301	-13	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-19		-1.389	-33	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-1D (bg)		0.07697	14	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A		6.884	68	43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-25		-3.09	-50	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-2D (bg)		-0.8052	-38	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-31 (bg)		-1.26	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-32 (bg)		0.03023	12	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-33		-11.71	-66	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-7D		-1.488	-23	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-17		-11.39	-26	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-18		-0.4574	-1	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-19		-12.76	-28	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-1D (bg)		4.77	19	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-23A		14.87	50	43	Yes	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)		15.92	32	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)		0.3259	3	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)		1.218	11	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-7D		-11.45	-26	-43	No	13	0	n/a	n/a	0.01	NP
· • /	. =			-	-		-	-				



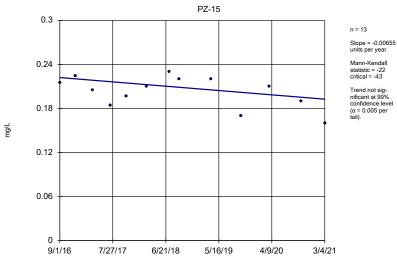
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





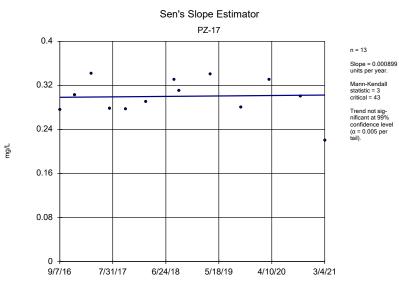
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

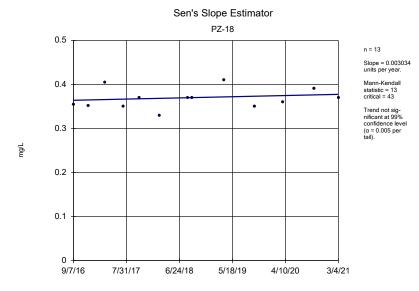


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG



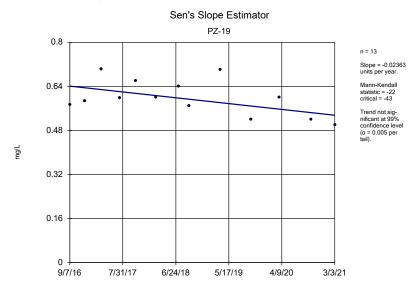
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

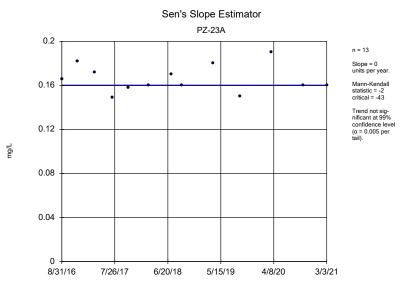
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG Sen's Slope Estimator PZ-1D (bg) 0.03 n = 13 Slope = 0.00004716 units per year. 0.024 Mann-Kendall critical = 43 Trend not sig-nificant at 99% confidence level 0.018 (α = 0.005 per tail). mg/L 0.012 0.006 8/30/16 7/25/17 6/19/18 5/14/19 4/7/20 3/3/21

Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



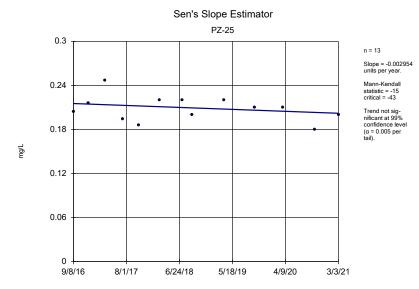


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

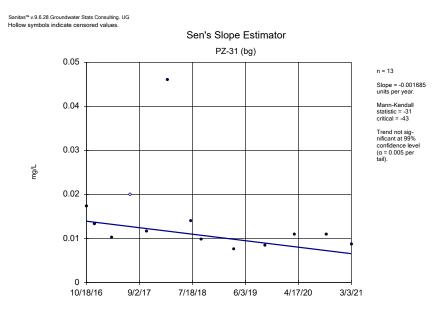
10/18/16

9/2/17

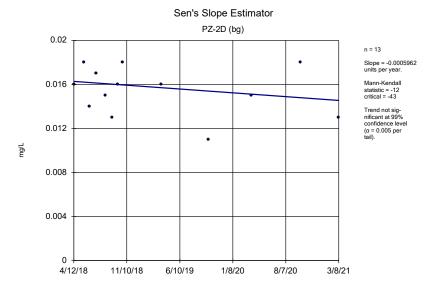
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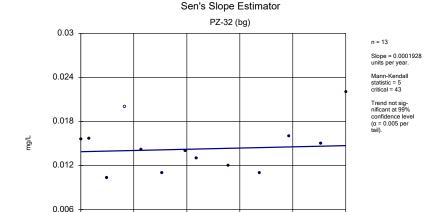
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



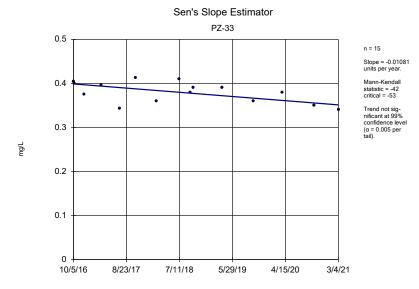
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

6/3/19

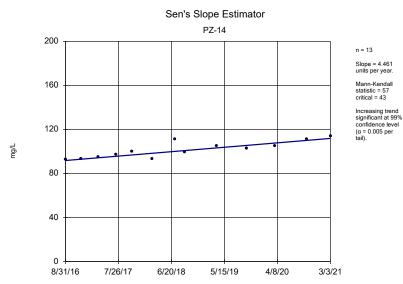
7/18/18

4/17/20

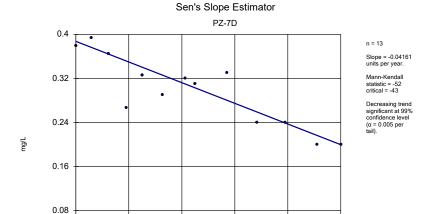
3/3/21



Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Calcium Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Boron Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

6/21/18

5/16/19

3/4/21

4/9/20

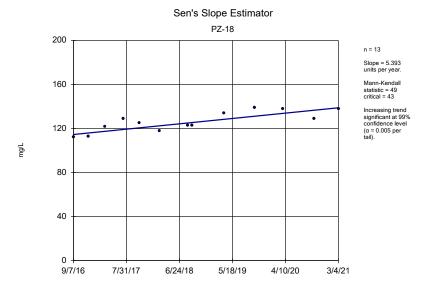
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9/1/16

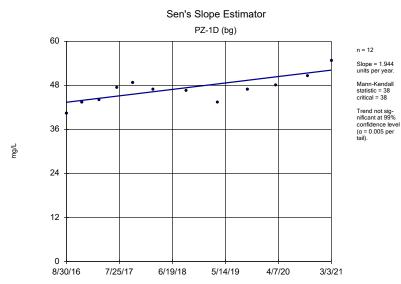
7/27/17



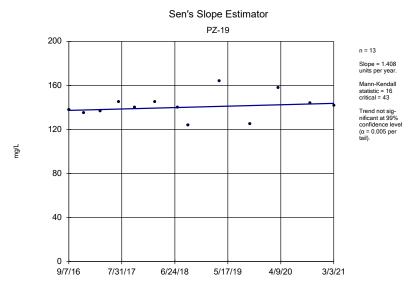
Constituent: Calcium Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



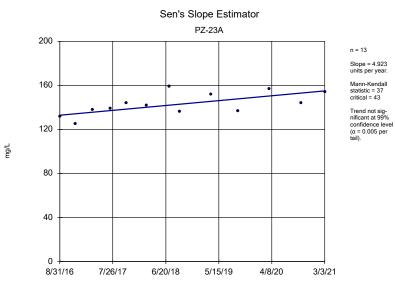
Constituent: Calcium Analysis Run 4/7/2021 9:27 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



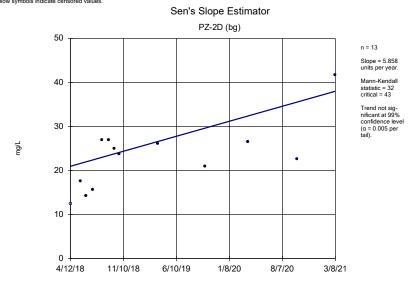
Constituent: Calcium Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Calcium Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

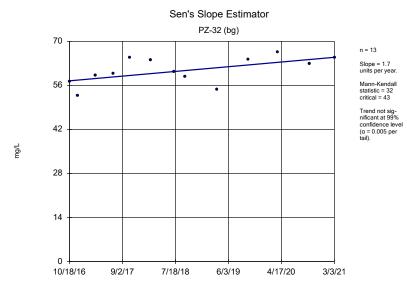


Constituent: Calcium Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

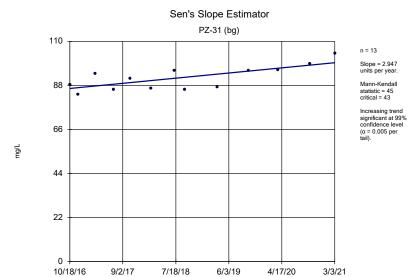


Constituent: Calcium Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

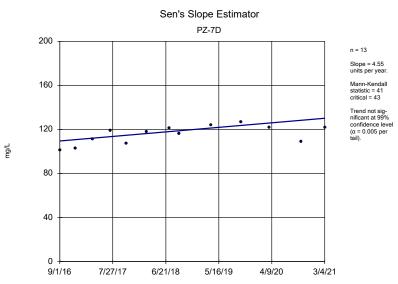




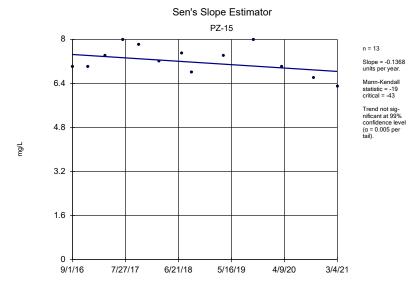
Constituent: Calcium Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Calcium Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

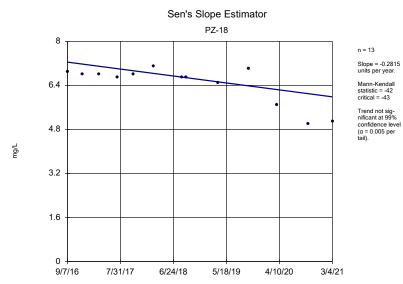


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



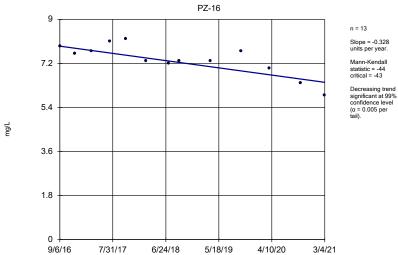
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



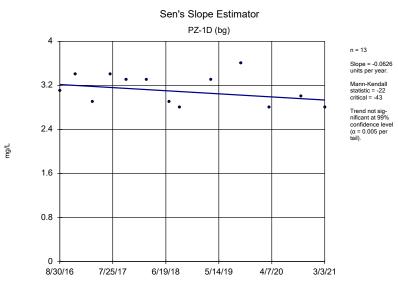


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

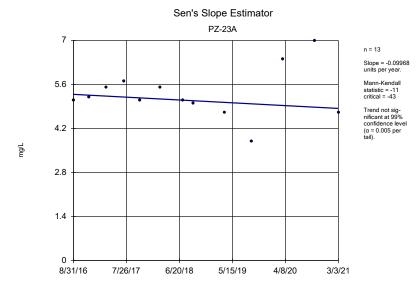
Sen's Slope Estimator



Constituent: Chloride Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

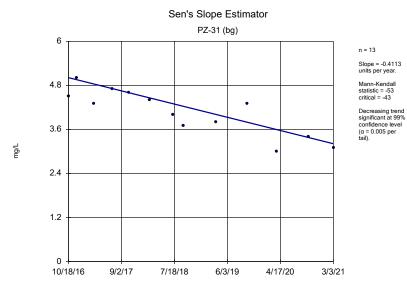


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

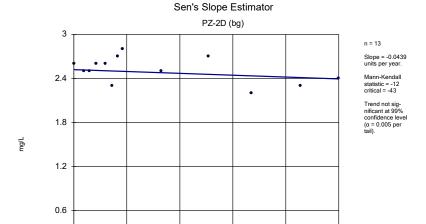


Constituent: Chloride Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





Constituent: Chloride Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Chloride Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

1/8/20

8/7/20

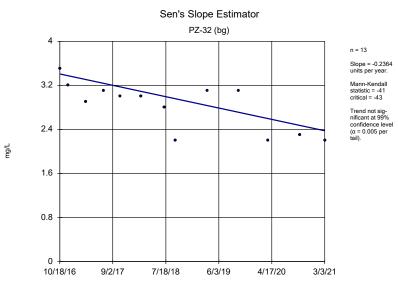
3/8/21

6/10/19

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4/12/18

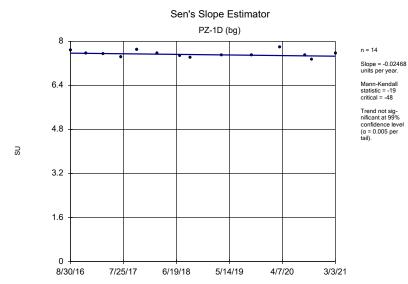
11/10/18



Constituent: Chloride Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

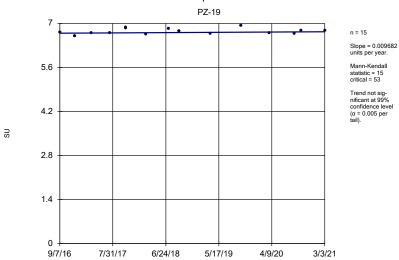


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

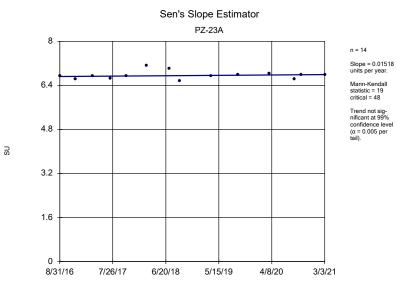


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

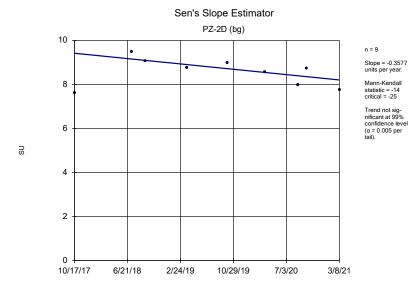
Sen's Slope Estimator



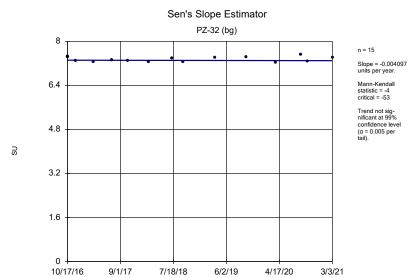
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



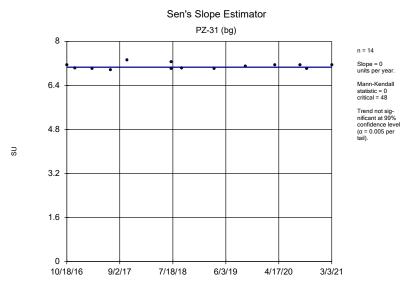
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: pH Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



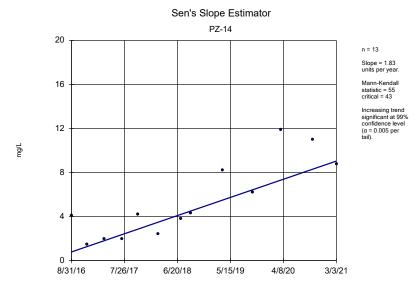
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



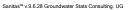
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

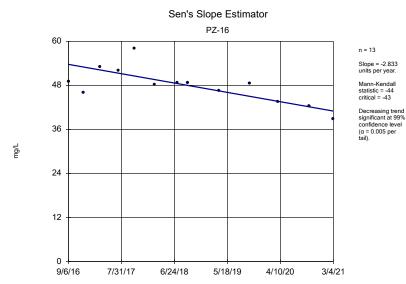


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

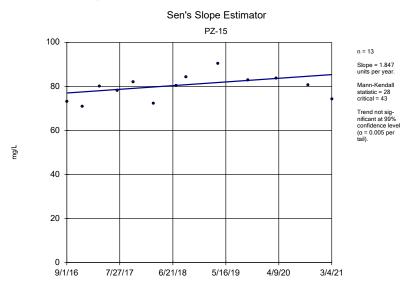


Constituent: Sulfate Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR





Constituent: Sulfate Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

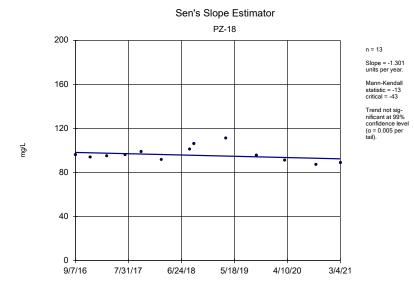


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



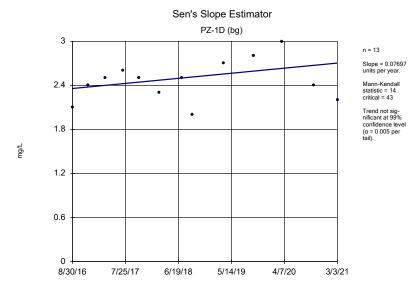
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

mg/L



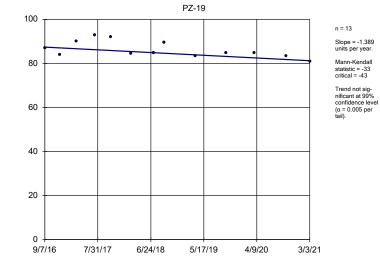
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



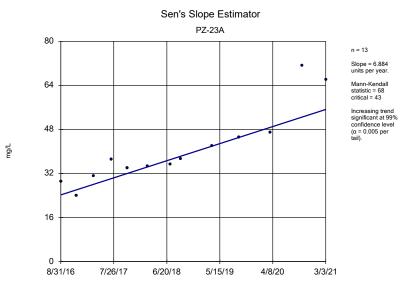


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

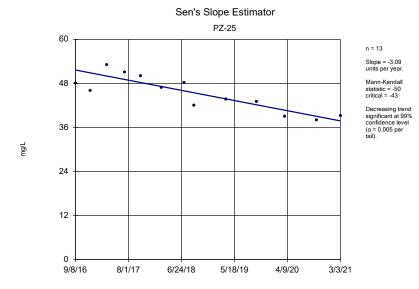
Sen's Slope Estimator



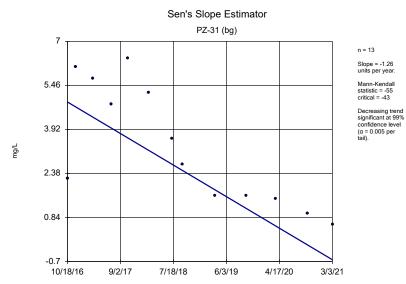
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



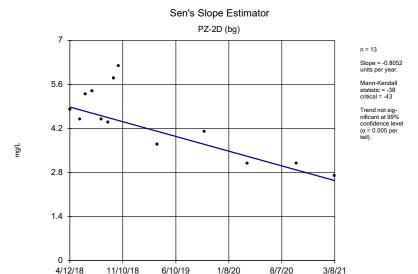
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



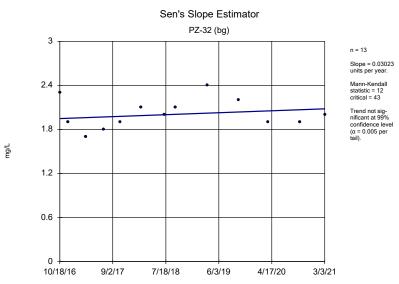
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



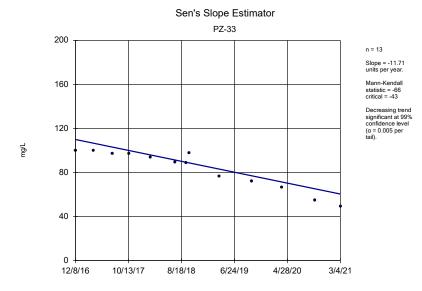
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



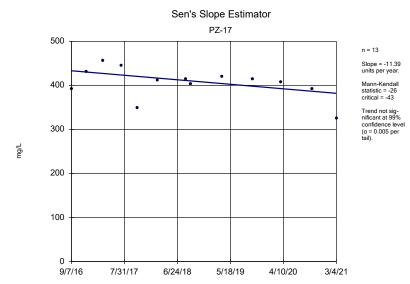
Constituent: Sulfate Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: Sulfate Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



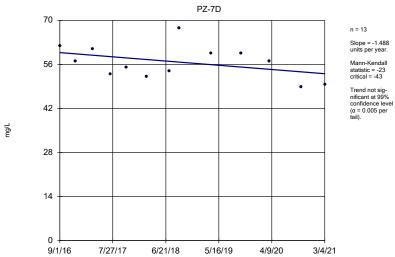
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



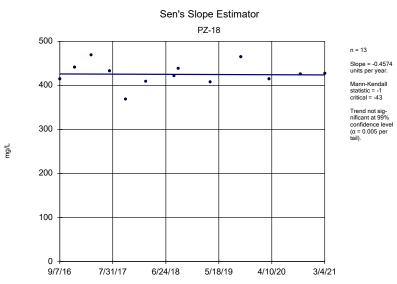
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

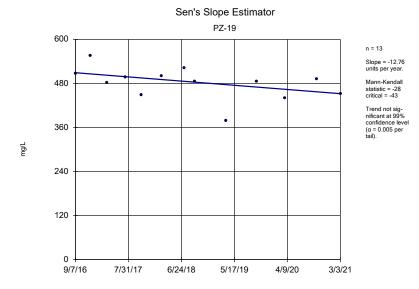
Sen's Slope Estimator



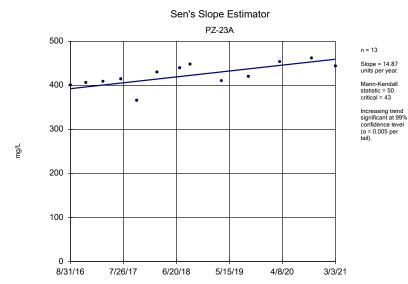
Constituent: Sulfate Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: TDS Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

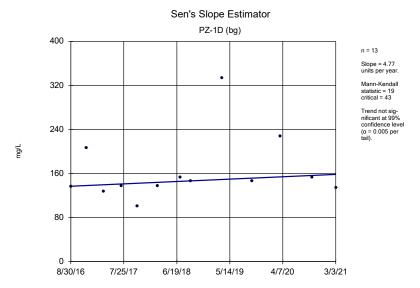


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

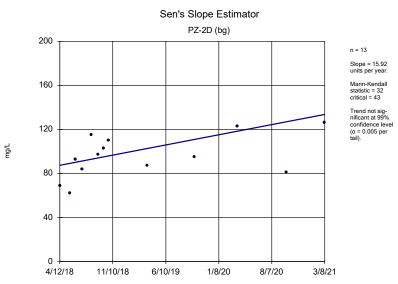


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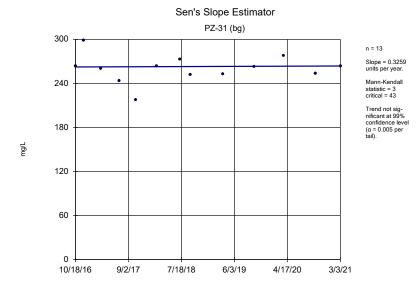
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: TDS Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

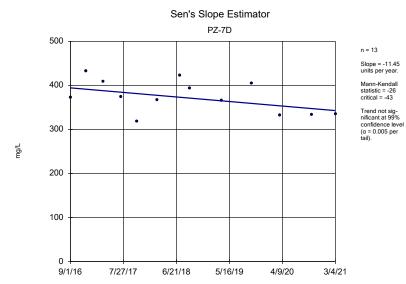


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

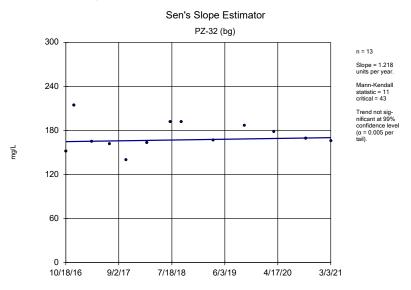


Constituent: TDS Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Constituent: TDS Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR



Constituent: TDS Analysis Run 4/7/2021 9:28 AM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE F.

Upper Tolerance Limits

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 4/6/2021, 11:44 AM %NDs ND Adj. Constituent $\underline{\text{Upper Lim.}} \quad \underline{\text{Lower Lim.}} \quad \underline{\text{Sig.}} \quad \underline{\text{Bg N}}$ Bg Mean Std. Dev. <u>Transform</u> <u>Alpha</u> Method 0.0035 n/a 52 n/a 53.85 0.06944 NP Inter(NDs) Antimony (mg/L) n/a n/a n/a n/a 0.005 n/a 86.36 0.1047 NP Inter(NDs) Arsenic (mg/L) n/a 44 n/a n/a n/a Barium (mg/L) 0.05465 n/a 52 -4.334 0.6953 1.923 None ln(x) 0.05 Inter n/a NP Inter(NDs) Beryllium (mg/L) 0.003 n/a 36 94.44 n/a 0.1578 Cadmium (mg/L) 0.1578 NP Inter(NDs) 0.0025 n/a n/a 36 n/a n/a 100 n/a n/a 0.06944 NP Inter(normality) Chromium (mg/L) 0.011 n/a 52 n/a n/a 25 n/a n/a Cobalt (mg/L) n/a 96.15 n/a 0.06944 NP Inter(NDs) 0.005 n/a n/a 52 n/a n/a Combined Radium 226 + 228 (pCi/L) 1.754 n/a 50 0.7553 0.2755 0 None sqrt(x) 0.05 Inter NP Inter(normality) Fluoride (mg/L) 0.29 n/a 56 n/a 46.43 0.05656 n/a n/a n/a n/a Lead (mg/L) 0.001 n/a 52 75 n/a 0.06944 NP Inter(NDs) Lithium (mg/L) 0.03 0.06944 NP Inter(NDs) n/a n/a 52 n/a n/a 80.77 n/a n/a Mercury (mg/L) 0.0002 n/a 44 90.91 0.1047 NP Inter(NDs) Molybdenum (mg/L) 0.06944 NP Inter(NDs) 0.01 n/a 52 78.85 n/a n/a n/a n/a n/a Selenium (mg/L) 0.005 n/a 52 100 n/a 0.06944 NP Inter(NDs) Thallium (mg/L) 0.001 n/a 52 88.46 n/a 0.06944 NP Inter(NDs) n/a n/a n/a n/a

FIGURE G.

PLANT MITCHELL ASH POND GWPS			
Constituent Name	MCL	Background Limit	GWPS
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	0.055	2
Beryllium, Total (mg/L)	0.004	0.003	0.004
Cadmium, Total (mg/L)	0.005	0.0025	0.005
Chromium, Total (mg/L)	0.1	0.011	0.1
Cobalt, Total (mg/L)	n/a	0.005	0.005
Combined Radium, Total (pCi/L)	5	1.75	5
Fluoride, Total (mg/L)	4	0.29	4
Lead, Total (mg/L)	n/a	0.001	0.001
Lithium, Total (mg/L)	n/a	0.03	0.03
Mercury, Total (mg/L)	0.002	0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.01	0.01
Selenium, Total (mg/L)	0.05	0.005	0.05
Thallium, Total (mg/L)	0.002	0.001	0.002

^{*}MCL = Maximum Contaminant Level

^{*}GWPS = Groundwater Protection Standard

FIGURE H.

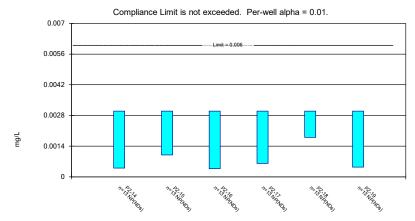
Confidence Intervals - All Results (No Significant)

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 4/6/2021, 11:53 AM Std. Dev. Constituent Well Compliance Sig. N %NDs ND Adj Alpha Method Upper Lim. Lower Lim. Mean PZ-14 0.003 0.0004 0.006 0.0028 0.0007211 92.31 NP (NDs) Antimony (mg/L) No 13 None No Antimony (mg/L) PZ-15 0.003 0.001 0.006 No 13 0.002663 0.0008261 84.62 None No 0.01 NP (NDs) PZ-16 0.003 0.002798 0.0007294 92.31 NP (NDs) Antimony (ma/L) 0.00037 0.006 No 13 0.01 None No Antimony (mg/L) PZ-17 0.003 0.00061 0.006 13 0.002469 0.001012 76.92 No 0.01 NP (NDs) Antimony (mg/L) PZ-18 0.003 0.0018 0.006 No 13 0.002785 0.000532 84.62 0.01 NP (NDs) No None Antimony (mg/L) PZ-19 0.003 0.00044 0.006 13 0.002803 0.00071 92.31 No 0.01 NP (NDs) 0.003 0.0017 No 13 0.002698 NP (NDs) Antimony (mg/L) PZ-23A 0.006 0.0007838 84.62 None No 0.01 Antimony (mg/L) PZ-33 0.003 0.00037 0.006 No 13 0.002798 0.0007294 92.31 NP (NDs) Antimony (mg/L) PZ-7D 0.003 0.00031 0.006 No 13 0.002386 0.001167 76.92 None No 0.01 NP (NDs) Barium (mg/L) PZ-14 0.03495 0.0183 2 0.0273 0.01343 None x^(1/3) 0.01 PZ-15 0.0781 0.06069 0 NP (normality) Barium (mg/L) 0.048 2 No 13 0.01632 None No 0.01 PZ-16 0.0689 0.035 2 0.04507 0.01382 NP (normality) Barium (mg/L) 13 0 2 0.07672 0 Barium (mg/L) PZ-17 0.08025 0.07318 0.004758 0.01 Param. No 13 None No Barium (mg/L) PZ-18 0.0513 0.023 2 13 0.03069 0.01444 No NP (normality) 2 ٥ Barium (mg/L) P7-19 0.05974 0.05301 No 13 0.05638 0.004526 None Nο 0.01 Param Barium (mg/L) PZ-23A 0.05362 0.03716 2 0.04539 0.01107 Param 2 Barium (mg/L) PZ-25 0.1097 0.09963 No 13 0 1047 0.006781 None Nο 0.01 Param Barium (mg/L) PZ-33 0.0752 0.0553 No 12 0.06525 0.01269 0.01 Param None No Barium (mg/L) PZ-7D 0.01047 0.007113 2 No 13 0.008792 0.002259 0 Nο 0.01 Param Chromium (ma/L) PZ-14 0.005 0.00098 0.1 Nο 13 0.003796 0.001881 69 23 No 0.01 NP (NDs) None Chromium (mg/L) PZ-16 0.005 0.0008 0.1 Nο 13 0.003132 0.00211 53.85 None No 0.01 NP (NDs) PZ-18 NP (NDs) Chromium (mg/L) 0.005 0.00056 0.1 No 13 0.004658 0.001231 92.31 0.01 None No Chromium (mg/L) PZ-19 0.005 0.00073 No 13 0.004672 0.001184 92.31 0.01 NP (NDs) 0.1 0.1 0.002592 Chromium (mg/L) PZ-23A 0.002277 0.001213 No 13 0.001611 23.08 Kaplan-Meier In(x) 0.01 Param. Chromium (mg/L) PZ-33 0.005 0.0017 0.1 0.004746 0.0009153 92.31 Kaplan-Meier No NP (NDs) Chromium (ma/L) PZ-7D 0.005 0.0005 0.1 Nο 13 0.002762 0.001979 38.46 0.01 NP (normality) None No Cobalt (mg/L) PZ-14 0.005 0.002 0.005 13 0.004408 0.001487 84.62 0.01 NP (NDs) No No Cobalt (mg/L) PZ-15 0.005 0.0004 0.003308 0.002237 NP (NDs) 0.005 No 13 61.54 No 0.01 None Cobalt (mg/L) PZ-16 0.005 0.0005 0.005 13 0.004654 0.001248 NP (NDs) 92.31 No PZ-17 0.005 No 13 0.002971 Cobalt (mg/L) 0.0005 0.005 0.002288 53.85 None No 0.01 NP (NDs) Cobalt (mg/L) PZ-18 0.005 0.0011 0.005 13 0.0047 0.001082 92.31 NP (NDs) P7-19 0.005 0.0012 0.004392 0.01 NP (NDs) Cobalt (mg/L) 0.005 No 13 0.001485 84 62 None Nο Cobalt (mg/L) PZ-23A 0.005 0.00049 0.005 13 0.003295 0.002247 61.54 None No NP (NDs) Cobalt (mg/L) PZ-25 0.0018 0.0008 0.001504 7.692 0.01 NP (normality) 0.005 No 13 0.001113 None No Cobalt (mg/L) PZ-33 0.005 0.00053 13 0.003295 0.002117 NP (NDs) Combined Radium 226 + 228 (pCi/L) PZ-14 1.073 0.3087 5 No 13 0.7294 0.596 0 None sqrt(x) 0.01 Param. Combined Radium 226 + 228 (pCi/L) PZ-15 1.117 0.6519 5 No 13 0.8999 0.362 0 None x^(1/3) 0.01 Param 0.3294 Combined Radium 226 + 228 (pCi/L) PZ-16 0.9047 0.4507 5 Nο 13 0.6908 0 sqrt(x) 0.01 Param Combined Radium 226 + 228 (pCi/L) 5 0 PZ-17 1.298 0.6704 No 12 0.9842 0.3999 0.01 Param None No Combined Radium 226 + 228 (pCi/L) PZ-18 1.351 0.4742 5 No 0.9126 0.5261 0 No 0.01 Param 11 None 0.7215 Combined Radium 226 + 228 (pCi/L) PZ-19 1.417 No 13 1.069 0.4678 0.01 Param None No Combined Radium 226 + 228 (pCi/L) PZ-23A 1.297 0.7891 5 No 13 1.043 0.3415 0 None Nο 0.01 Param Combined Radium 226 + 228 (pCi/L) PZ-25 1.253 0.7952 5 No 13 1.024 0.3079 0.01 Param None No Combined Radium 226 + 228 (pCi/L) PZ-33 1.099 0.6208 5 No 13 0.8602 0.3218 No 0.01 Param None Combined Radium 226 + 228 (pCi/L) PZ-7D 0.6435 No 13 0.4362 0.3593 0 Param 0.1816 None 0.01 sart(x) PZ-14 0.11 4 14 0.08971 57.14 Fluoride (mg/L) 0.056 No 0.0255 0.01 NP (NDs) Fluoride (mg/L) PZ-15 0.134 0.07109 4 No 0.111 0.04821 28.57 0.01 Param 14 Kaplan-Meier sqrt(x) Fluoride (mg/L) PZ-16 0.1 0.08307 0.02496 57.14 Kaplan-Meier NP (NDs) 0.05 0.01 Fluoride (ma/L) PZ-17 0.1497 0.05733 4 Nο 14 0.1269 0.06633 35.71 Kaplan-Meier No 0.01 Param 4 Fluoride (mg/L) PZ-18 0.1109 0.05757 0.1028 0.0362 50 Kaplan-Meier sqrt(x) 0.01 Param 4 PZ-19 0.1453 0.1171 Fluoride (mg/L) 0.07083 No 14 0.0809 14.29 None In(x) 0.01 Param Fluoride (mg/L) PZ-23A 0.09698 0.04907 0.06363 35.71 Kaplan-Meier ln(x) 0.01 Param 4 Fluoride (mg/L) PZ-25 0.2598 0.1559 No 14 0.2079 0.07329 0 None No 0.01 Param PZ-33 4 Fluoride (mg/L) 0.15 0.06 14 0.1071 0.04576 57.14 NP (NDs) P7-7D 0.15 0.045 No 14 0 089 0.0326 64 29 0.01 NP (NDs) Fluoride (ma/L) None Nο

Confidence Intervals - All Results (No Significant)

Client: Southern Company Data: Mitchell Ash Pond CCR Printed 4/6/2021, 11:53 AM Constituent Well Compliance Sig. N Std. Dev. %NDs ND Adj. Alpha Method Upper Lim. Lower Lim. Mean PZ-15 0.001 0.00005 0.001 0.0009269 0.0002635 92.31 No 0.01 NP (NDs) Lead (mg/L) No 13 None Lead (mg/L) PZ-16 0.001 0.000081 0.001 No 13 0.0009293 0.0002549 92.31 None No 0.01 NP (NDs) PZ-18 0.001 0.00043 0.0008825 0.0002976 NP (NDs) Lead (mg/L) 0.001 No 13 84.62 0.01 None No Lead (mg/L) PZ-19 0.001 0.000042 0.001 No 13 0.0009263 0.0002657 92.31 No 0.01 NP (NDs) Lead (mg/L) PZ-23A 0.001 0.000058 0.001 No 13 0.0007888 0.0004019 76.92 0.01 NP (NDs) No None Lead (mg/L) PZ-33 0.001 0.00009 0.001 13 0.0008567 0.0003499 No 0.01 NP (NDs) 84.62 0.001 0.000041 0.001 No 13 0.0009262 NP (NDs) Lead (mg/L) PZ-7D 0.000266 92.31 None No 0.01 Lithium (mg/L) PZ-14 0.03 0.003 0.03 No 13 0.02792 0.007488 92.31 No NP (NDs) Lithium (mg/L) PZ-15 0.03 0.0012 0.03 No 13 0.01233 0.01454 38.46 None No 0.01 NP (normality) Lithium (mg/L) PZ-17 0.003 0.002 0.03 13 0.006662 0.01036 15.38 None No NP (normality) NP (normality) PZ-18 0.003 0.006885 0.01 Lithium (mg/L) 0.0024 0.03 No 13 0.01026 15.38 None No PZ-19 0.01473 0.009886 0.01231 0.003257 0 Lithium (mg/L) 0.03 13 0.01 Param 0.02109 Lithium (mg/L) PZ-23A 0.03 0.001 0.03 0.01391 69.23 0.01 NP (NDs) No 13 None No Lithium (mg/L) PZ-25 0.006713 0.005314 0.03 No 13 0.005969 0.001051 0 None x^2 Lithium (mg/L) P7-7D 0.0038 0.0023 0.03 No 13 0.004931 0.00755 7 692 None Nο 0.01 NP (normality) Mercury (mg/L) PZ-14 0.0002 0.00015 0.002 No 0.0001836 0.00004056 81.82 0.006 NP (NDs) None No Mercury (mg/L) PZ-15 0.0002 0.0002 0.002 No 11 0.0001906 0.00003106 90.91 None No 0.006 NP (NDs) PZ-16 0.0002 0.0002 0.002 0.000188 0.0000398 90.91 0.006 NP (NDs) Mercury (mg/L) No 11 No None Mercury (mg/L) PZ-17 0.0002 0.0002 0.002 No 11 0.0001896 0.00003437 90.91 No 0.006 NP (NDs) Mercury (ma/L) PZ-18 0.0002 0.0002 0.002 No 11 0.000187 0.00004312 90.91 No 0.006 NP (NDs) None Mercury (mg/L) PZ-19 0.0002 0.0001 0.002 No 11 0.0001768 0.00005302 81.82 None No 0.006 NP (NDs) 0.0002 0.00017 0.0001873 0.00003349 81.82 Mercury (mg/L) PZ-23A 0.002 No 11 No 0.006 NP (NDs) None PZ-25 0.0002 0.0002 0.002 No 0.0001866 0.00004432 90.91 0.006 NP (NDs) Mercury (mg/L) 11 No Mercury (mg/L) 0.0002 0.0001631 0.00006561 72.73 0.006 NP (NDs) PZ-33 0.000043 0.002 No 11 None No Mercury (mg/L) PZ-7D 0.0002 0.00006 0.002 0.0001739 0.00005807 81.82 No 0.006 NP (NDs) Molybdenum (mg/L) PZ-14 0.01 0.0005 0.01 No 13 0.009269 0.002635 92.31 0.01 NP (NDs) None No Molybdenum (mg/L) PZ-15 0.01 0.0004 0.01 13 0.009262 0.002663 92.31 0.01 NP (NDs) No No PZ-16 0.0004 0.009262 0.002663 92.31 NP (NDs) Molybdenum (mg/L) 0.01 0.01 No 13 No 0.01 None PZ-17 0.01 0.0004 13 0.009262 0.002663 NP (NDs) Molybdenum (mg/L) 0.01 92.31 No 0.0027 0.002823 Molybdenum (mg/L) PZ-19 0.002 0.01 No 13 0.002167 7.692 None No 0.01 NP (normality) Molybdenum (mg/L) PZ-23A 0.01 0.0011 13 0.008592 0.003438 84.62 NP (NDs) P7-25 0.001 0.009308 0.002496 0.01 NP (NDs) Molybdenum (mg/L) 0.01 0.01 No 13 92 31 None Nο Selenium (mg/L) PZ-14 0.005 0.0015 0.05 No 13 0.004438 0.001372 84.62 None No NP (NDs) PZ-15 0.005 0.0018 0.004754 0.0008875 92.31 0.01 NP (NDs) Selenium (mg/L) 0.05 No 13 None No Selenium (mg/L) PZ-19 0.005 0.0016 0.05 No 13 0.003954 0.001319 No NP (NDs) None Selenium (mg/L) PZ-23A 0.005 0.0018 0.05 No 13 0.003769 0.001438 53.85 None No 0.01 NP (NDs) Selenium (mg/L) PZ-7D 0.005 0.0018 0.05 No 13 0.004254 0.001418 76.92 None No 0.01 NP (NDs) Thallium (mg/L) PZ-14 0.001 0.00006 0.002 No 13 0.0009277 0.0002607 92.31 No 0.01 NP (NDs) 0.001 0.0004052 NP (NDs) Thallium (mg/L) PZ-15 0.00016 0.002 No 13 0.0006931 61.54 0.01 No None Thallium (mg/L) PZ-16 0.001 0.00017 0.002 No 13 0.0006156 0.0004337 53.85 No 0.01 NP (NDs) None Thallium (mg/L) PZ-17 0.001 0.0002 0.002 No 13 0.0007092 0.0003862 61.54 0.01 NP (NDs) None No Thallium (mg/L) PZ-18 0.001 0.00005 0.002 No 13 0.0007816 0.000415 76.92 No 0.01 NP (NDs) Thallium (mg/L) PZ-19 0.0007588 0.0004551 0.002 No 13 0.0006069 0.0002042 7.692 0.01 Param. No None Thallium (mg/L) PZ-23A 0.001 0.00015 0.002 No 13 0.00044 0.0003916 30.77 No 0.01 NP (normality) PZ-25 Thallium (mg/L) 0.001 0.00027 0.002 No 13 0.0007392 0.0003452 61.54 0.01 NP (NDs) No None PZ-33 0.001 0.0001 0.002 13 0.0006638 0.0004431 61.54 NP (NDs) Thallium (mg/L) No Thallium (mg/L) PZ-7D 0.001 0.000085 0.002 No 13 0.0006587 0.0004503 61.54 No 0.01 NP (NDs) None

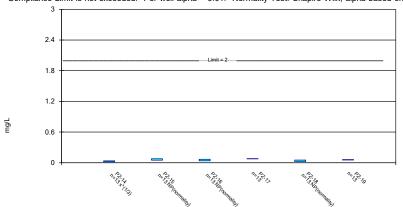
Non-Parametric Confidence Interval



Constituent: Antimony Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

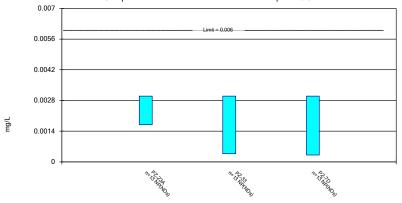
Parametric and Non-Parametric (NP) Confidence Interval Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 4/6/2021 11:52 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.

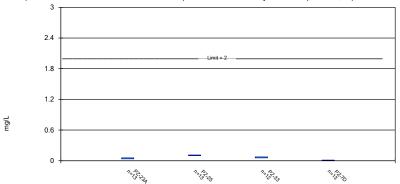


Constituent: Antimony Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

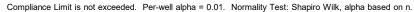
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

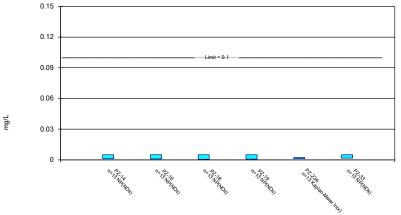
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Parametric and Non-Parametric (NP) Confidence Interval

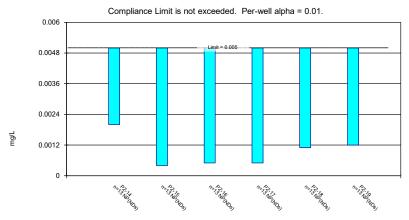




Constituent: Chromium Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

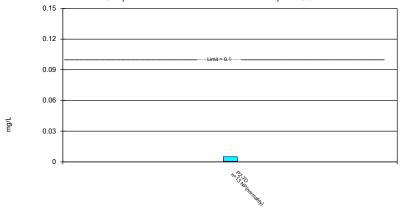
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval



Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

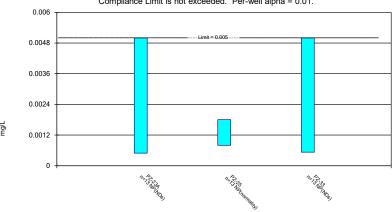


Constituent: Chromium Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

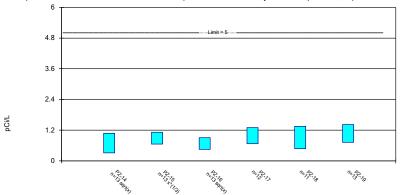
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



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 4/6/2021 11:52 AM View: Appendix IV - Confiden

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

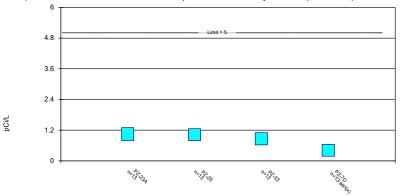
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

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 4/6/2021 11:52 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.

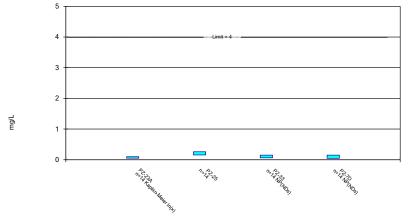


Constituent: Combined Radium 226 + 228 Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confiden
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

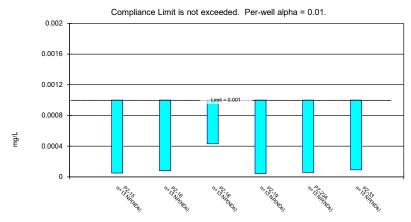
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

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.



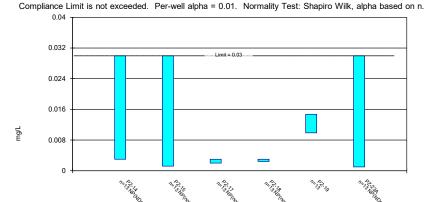
Non-Parametric Confidence Interval



Constituent: Lead Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval



Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Constituent: Lithium Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals

Non-Parametric Confidence Interval

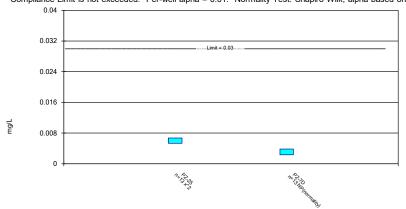
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Constituent: Lead Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

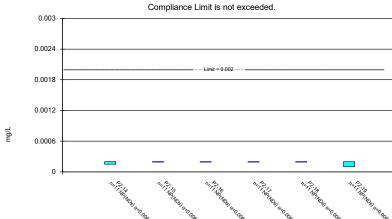
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

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.



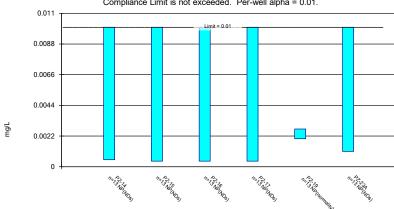




Constituent: Mercury Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

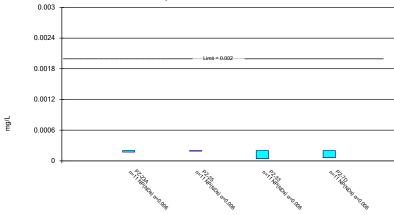
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval Compliance Limit is not exceeded. Per-well alpha = 0.01.



Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

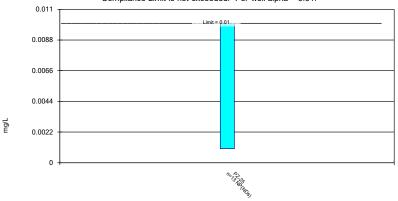


Constituent: Mercury Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

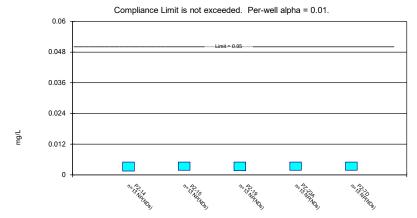
Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



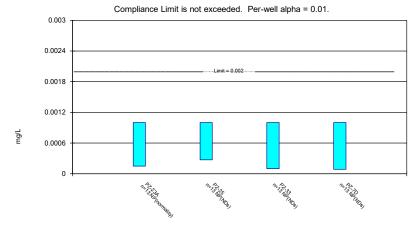
Non-Parametric Confidence Interval



Constituent: Selenium Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

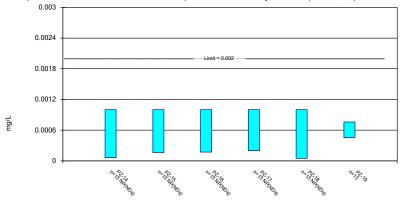


Constituent: Thallium Analysis Run 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.9.6.28 Groundwater Stats Consulting. UG

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 4/6/2021 11:52 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR