Prepared for

Crisp County Power Commission
202 S. 7th Street
Cordele, Georgia 31015

2025 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

CRISP COUNTY POWER COMMISSION PLANT CRISP FORMER ASH POND Warwick, Georgia

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

July 2025

Geosyntec
consultants

CERTIFICATION BY QUALIFIED GROUNDWATER SCIENTIST

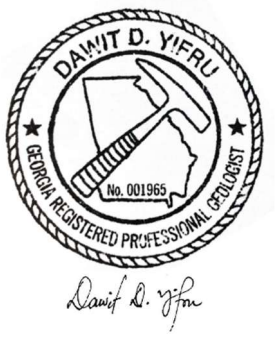
I certify that this Semi-Annual Groundwater Monitoring Report meets the requirements of Section 40 C.F.R. §257 of the Federal Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule (40 C.F.R. §257) and the Georgia EPD Solid Waste Management Rule for Coal Combustion Residuals (391-3-4-.10). The Semi-Annual Groundwater Monitoring Report includes statistical methods and narrative description appropriate for evaluating the groundwater monitoring data for the CCR management area.

DAWIT YIFRU

Printed Name of Qualified Groundwater Scientist

PG001965 — Registration No.

Georgia — Registration State



07/30/2025

Stamp/Signature/Date

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

LIST OF ACRONYMS AND ABBREVIATIONS

CCPC	Crisp County Power Commission
CCR	Coal Combustion Residuals
C.F.R.	Code of Federal Regulations
cm/sec	Centimeters per Second
DNR	Department of Natural Resources
DO	Dissolved Oxygen
ft/day	Feet per Day
ft/ft	Feet per Foot
ft/year	Feet per Year
GA EPD	Georgia Environmental Protection Division
GWPS	Groundwater Protection Standard
K_h	Horizontal Hydraulic Conductivity
LSADS	Laboratory Services and Applied Science Division
MCL	Maximum Contaminant Level
mg/L	Milligram per Liter
MW	Megawatt
NTU	Nephelometric Turbidity Units
ORP	Oxidation Reduction Potential
PE	Professional Engineer
QA/QC	Quality Assurance/Quality Control
SESD	Science and Ecosystem Support Division
SOP	Standard Operating Procedure
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
SU	Standard Unit
TDS	Total Dissolved Solids
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit

EXECUTIVE SUMMARY

Crisp County Power Commission (CCPC) has been monitoring the groundwater quality at the Plant Crisp former Ash Pond (former ash pond) in accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (C.F.R.) Part 257, Subpart D] and the Georgia Environmental Protection Division (GA EPD) Rule for CCR (391-3-4-.10). The timeline and status of the monitoring program and the relevant findings and conclusions derived for the reporting period (i.e., between January and June 2025) are summarized as follows:

- In compliance with 40 C.F.R. §257.94, a groundwater detection monitoring program was conducted between February 2017 and September 2017.

- In compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program in March 2018. The former ash pond has been monitored under the assessment monitoring program from March 2018 through the current reporting period.

- Pursuant to 40 C.F.R. §257.95 and GA EPD Rule 391-3-4-.10(6), Statistically Significant Increases (SSIs) above background levels were identified for the Appendix III[1] constituents set forth below where concentrations of Appendix III constituents in the downgradient monitoring wells were statistically higher than the concentrations of background wells. No values exceeded regulatory levels or maximum contaminant levels. No Statistically Significant Levels (SSLs) above the Groundwater Protection Standards were identified for Appendix IV[2] constituents during the reporting period. A summary of SSIs of Appendix III and SSLs of Appendix IV parameters during the April 2025 monitoring is provided in the table below[3].

Appendix III Parameter	SSIs in Monitoring Well
Calcium	MW-D1, MW-D2, MW-D3
Fluoride	MW-D1, MW-D3
Sulfate	MW-D1, MW-D2, MW-D3
Total Dissolved Solids (TDS)	MW-D1, MW-D2, MW-D3
Appendix IV Parameter[4]	**No SSLs**

[1] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[2] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228
[3] Concentration of select detected constituents were below their laboratory reporting limit (i.e., values shown with "J" flag represent approximate concentrations) as shown in Table 4 and Table 5.
[4] A statistically significant level (SSL) is determined by comparing the confidence intervals developed for each constituent to their groundwater protection standard (GWPS). The GWPS is either the constituent's MCL, if available, or the USEPA Regional Screening Level (RSL), if no MCL is available. If the calculated background interwell tolerance limit is higher than the MCL or the RSL, the background concentration is used as GWPS (40 CFR § 257.95(h)).

- The CCR removal at the former ash pond has been completed in 2023. The concentrations of the Appendix IV constituents continue to remain below their respective GWPS since monitoring began in 2017 (i.e., for 24 monitoring events). CCPC will continue assessment monitoring from the former ash pond wells one more time in October 2025. If the October assessment monitoring results continue to remain below their GWPS, CCPC will discuss with the Georgia EPD the option of discontinuing groundwater monitoring from the former ash pond monitoring wells.

1.0 INTRODUCTION

1.1 Overview

Geosyntec Consultants (Geosyntec) of Kennesaw, Georgia, at the request of Crisp County Power Commission (CCPC), prepared this 2025 Semi-Annual Groundwater Monitoring Report for the former ash pond located at CCPC's Plant Crisp (the Site). Plant Crisp is located in Warwick, Georgia, on the southern end of Lake Blackshear (**Figure 1**). CCPC installed a groundwater monitoring well network in February 2017 in compliance with the requirements of the 40 Code of Federal Regulations (C.F.R.) §257.91 and Section 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) Coal Combustion Residuals (CCR) Rule.

A groundwater detection monitoring program was conducted between February and September 2017 in compliance with the requirements of the 40 C.F.R. §257.94. The first Annual Groundwater Monitoring Report summarizing the results of detection groundwater monitoring activities was prepared in January 2018 [Geosyntec, 2018]. Based on the detection monitoring results and in compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program for the former ash pond in March 2018. The assessment monitoring continued in 2025 by performing a semi-annual monitoring event in April 2025. The April 2025 assessment monitoring event was performed for constituents listed in Appendix III to part §257 (referred herein as Appendix III constituents) and Appendix IV to part §257 (referred herein as Appendix IV constituents) (40 C.F.R. §257.95(b)). The groundwater monitoring and statistical analyses were performed consistent with the Groundwater Monitoring and Statistical Analysis Plan prepared for the former ash pond in October 2017 and revised in April 2020.

The purpose of this report is to present a summary of the April 2025 groundwater assessment monitoring activities and associated laboratory and statistical analysis results. The report has been prepared to meet the semi-annual reporting requirements of GA EPD CCR Rule 391-3-4-.10(6)(c)[5].

In summary, the April 2025 sampling event detected concentrations of 40 C.F.R. §257, Appendix IV constituents, but at concentrations below their respective United States Environmental Protection Agency's (USEPA's) maximum contaminant levels (MCLs)

[5] The semi-annual groundwater monitoring report is a state requirement under DNR Rule 391-3-4.10(6)(c): The owner or operator of a CCR unit must submit a semi-annual report to the Division to coincide with the semi-annual sampling event. A qualified groundwater scientist must certify the report.

(Appendix I to 40 C.F.R. §257)[6] or groundwater protection standard (GWPS), if MCL is not available for the constituent.

1.2 Site History

Plant Crisp is a dual-fuel (coal and natural gas) electrical generation facility, with a 12.5-megawatt (MW) capacity coal-fired unit and 5 MW capacity natural gas combustion turbine. The byproducts of power generation from the combustion of coal (commonly referred to as CCR) at Plant Crisp included mainly fly ash and bottom ash. The CCR was disposed into a 6.5-acre former ash pond located within the plant property using wet sluicing method. The former ash pond was constructed in the mid-1970s, as an unlined pond [CDM Smith, 2014], and started to receive sluiced ash in 1976. The coal burning and resulting ash disposal was conducted until August 2015. The coal burn unit was briefly re-activated in December 2016 to eliminate an existing small coal supply. The last burning of coal took place on March 22, 2017. The electrical generation facility, former ash pond, and hydroelectric dam are located on approximately 100 acres of CCPC property near Lake Blackshear and the Flint River (**Figure 1**). The former ash pond was classified as a low hazard unit during the USEPA's CCR impoundment assessment, dated February 2014 and conducted by CDM Smith [CDM Smith, 2014].

In October 2016, CCPC submitted notification of closure by removal in accordance with 40 C.F.R. §257. The original schedule for closure would have removed CCR by February 2018, however, Georgia Department of Natural Resources (DNR) CCR management regulations were issued in November 2016, DNR Rule 391-3-4-.07(5), after the initial closure plan. DNR Rule 391-3-4-.07(5) required GA EPD's approval of CCR management plans for the receiving landfill. GA EPD approved the CCR management plan for the receiving landfill on March 28, 2019. On November 19, 2018, CCPC submitted a CCR permit application for the existing impoundment and closure of the former ash pond by removal in accordance with 40 C.F.R. §257.102(c) and the GA EPD CCR Rule 391-3-4-.10 and other GA EPD regulations as applicable. GA EPD issued a permit on August 17, 2020.

The former ash pond closure construction started in 2021 and was completed in 2023, including CCR removal and final site restoration activities. Closure Construction certification reports from a third-party Professional Engineer have been completed and reviewed by GA EPD in 2024 and 2025. In addition, on 24 January 2025, GA EPD

[6] MCLs are the maximum contaminant levels for potable drinking water which are established setting a lifetime consumption risk or acute level and would be applied to municipal or other drinking water sources (40 CFR § 141.62 and 40 CFR § 141.66).

completed their review of a Major Modification application to the Solid Waste Handling Permit 159-007D (CCR) and issued approval.

1.3 Geologic and Hydrogeologic Setting

CCPC is located in the Coastal Plain Physiographic Province of Georgia, which is generally characterized by gently rolling to nearly flat topography. The Coastal Plain Physiographic Province of Georgia is characterized by Late Cretaceous and Cenozoic sedimentary rocks and sediments. Based on the Geologic Map of Georgia [Georgia Department of Natural Resources, 1997], the Site is underlain by Quaternary-aged stream alluvium and undifferentiated terrace deposits underlain by residual soil derived by the weathering of Eocene-aged limestone. Beneath the residuum is Eocene-aged limestone (the Ocala Limestone) that dips gently to the southeast and generally thicken in that direction [Hicks et al, 1987]. The Ocala Limestone comprises part of the Upper Floridan aquifer, which is underlain by low permeability zones within the Lisbon Formation (argillaceous limestone). Subsurface investigations at the Site generally describe the surface geology as embankment fill, alluvium, residuum and limestone bedrock [ND&T, 1994, Rizzo, 2015, Geosyntec, 2019].

The uppermost aquifer at the Site is the unconfined groundwater aquifer that occurs in the alluvium and some upper portions of the residuum. The alluvial sediments consist of alternating layers of clay, silty sand, silty clayey sand, and some gravel (SM, SM-SC). While most of the of the residuum consists of clays and calcareous clay (marl) with limestone fragments, there may be sandy clay and gravelly clay lenses that could act along with the overlying alluvium as part of the uppermost aquifer. Based on field observations (increasing clay content with depth in the residuum and increasing blow counts with depth), the hydraulic conductivity of the residuum is expected to decline with depth. As such, the lower part of the residuum is likely a confining unit and represents the lower boundary of the uppermost aquifer. Recharge to the uppermost aquifer is from infiltration of precipitation.

In March 2019, Geosyntec performed slug testing in four monitoring wells to estimate horizontal hydraulic conductivity (K_h) of the uppermost aquifer. Based on the slug testing results, the geometric mean of the K_h in the uppermost aquifer was estimated as 1.44×10^{-4} centimeter per second (cm/sec) [0.41 feet per day (ft/day)]. This value is similar to the K_h estimated for the alluvium and residuum during previous investigations.

Under natural conditions, the water table surface is a subdued reflection of the topography, with groundwater generally flowing from southeast to northwest from the higher elevations to lower elevations toward the Flint River. The movement of groundwater in the uppermost aquifer can be characterized as porous media flow.

1.4 Groundwater Monitoring Well Network

In accordance with 40 C.F.R. §257.91, a groundwater monitoring system was installed that (1) consists of a sufficient number of wells; (2) is installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer; and (3) represents the groundwater quality both upgradient of the units (i.e., background conditions) and passing the waste boundary of the units. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions. The well network was certified by a professional engineer (PE) on June 14, 2017; the certification is maintained in the facility's Operating Record. Well construction diagrams of the monitoring wells were included in the January 2018 Annual Groundwater Monitoring Report [Geosyntec, 2018] as well as the Groundwater Monitoring and Statistical Analysis Plan [Geosyntec, 2020]. The certified groundwater monitoring well network includes one monitoring well (MW-U1) located upgradient of the former ash pond, representing background groundwater conditions, and three monitoring wells (MW-D1, MW-D2, and MW-D3) located downgradient of the former ash pond. The locations of the monitoring wells are shown on **Figure 1** and well construction details are provided in **Table 1**. The monitoring wells are screened in the uppermost aquifer underlying the former ash pond, which occurs in the alluvium and some upper portions of the residuum.

CCPC does not currently plan to expand the certified monitoring well network for the former ash pond. During the monitoring period: (i) all wells were functioning properly; (ii) there were no dry wells; and (iii) no additional well installation or abandonment was conducted. Therefore, no corrective action is needed for any of the four monitoring wells.

2.0 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS RESULTS

2.1 Groundwater Sampling and Laboratory Analysis

Groundwater assessment monitoring event for this reporting period was conducted on April 29, 2025. The groundwater samples were collected in accordance with the USEPA Laboratory Services & Applied Science Division (LSASD) Operating Procedure (LSASDPROC-301-R6) [USEPA, Athens, Georgia, 2023].

Prior to sampling, depth to groundwater and total well depth were measured for each monitoring well using an electrical water level indicator. The water level indicator was cleaned between wells following the decontamination procedure listed under SESDPROC-205-R3 [USEPA, Athens, Georgia, 2015]. Depth to groundwater data and groundwater elevations are summarized in **Table 2**[7]. The groundwater elevation data was used to prepare a potentiometric surface map, provided as **Figure 2**. Based on the potentiometric surface map, groundwater flow direction is from southeast towards northwest with a hydraulic gradient of approximately 0.012 feet per foot (ft/ft) (**Table 3**). The average horizontal groundwater flow velocity was calculated using Darcy's equation as approximately 9 feet per year (ft/year) (**Table 3**).

Groundwater sampling was performed using a low-flow sampling method. To assess that the samples collected were representative of the groundwater in the aquifer, field water quality parameters were measured during purging using a Horiba U-52 water quality meter. These parameters include temperature, pH, conductivity, oxidation-reduction potential (ORP), and dissolved oxygen (DO). Measurements were taken within an enclosed flow-through cell to minimize effects of contact with air. Turbidity was measured using LaMotte 2020we turbidity meter. Purging was considered complete when the following stabilization criteria were met for at least three consecutive measurements (as defined by LSASD operating Procedure ID. LSASDPROC-301-R6):

- pH ± 0.1 Standard Units (SU);
- Conductivity ± 5%;
- Turbidity measured less than 10 nephelometric turbidity units (NTU);

[7] In addition to the ash pond monitoring wells (MW-D1, MW-D2, MW-D3, and MW-U1), depth to groundwater level measurements and the calculated groundwater elevations in monitoring wells installed in 2022 for secondary ash areas (MW-D4 through MW-D9 and MW-U2) are presented in Table 2. Groundwater elevation data from the ash pond monitoring wells, the secondary ash areas monitoring wells, and water level data from Lake Blackshear are used to make the potentiometric surface map.

- Other parameters used are dissolved oxygen ±0.2 milligrams per liter (mg/L) or ±10% change in saturation, whichever is greater and ORP (reasonable ORP stability goal is ± 20 mV).

Field groundwater sampling forms are provided in **Appendix A.**

The groundwater samples were collected in laboratory-provided containers. Following sampling, the bottles were sealed, labeled, packed in ice, and shipped under chain-of-custody protocol to Eurofins Environment Testing in Pensacola, FL, a certified laboratory pursuant to the Georgia State Program. The chain-of-custody procedures were conducted in accordance with SESDPROC-005-R2 [USEPA, Athens, Georgia 2013]. The groundwater samples were analyzed for Appendix III constituents (i.e., boron, calcium, chloride, fluoride, sulfate, total dissolved solids) and Appendix IV constituents (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, radium 226 and 228 combined, selenium, and thallium). The metal constituents were analyzed as total recoverable as the samples were not field filtered. Radium was analyzed at Eurofins Environment Testing in St. Louis, MO. Groundwater pH, also an Appendix III constituent, was measured in the field using a Horiba water quality meter.

Field duplicate sample (DUP-24) was collected from monitoring well MW-D3 for quality assurance/quality control (QA/QC). The duplicate sample was collected in laboratory-provided bottles and shipped to Eurofins Environment Testing laboratories using the same chain-of-custody as the primary samples for analysis of the same parameters. Results from the duplicate sample are presented in **Table 4** and **Table 5**. Field sampling quality control samples (field blank and equipment blank) were also collected during the April 2025 monitoring event.

2.2 Groundwater Monitoring Results

Laboratory analytical results for Appendix III constituents from the April 2025 monitoring event are summarized in **Table 4**. Appendix III constituents were detected in the upgradient and downgradient monitoring well locations.

Laboratory analytical results for Appendix IV constituents are summarized in **Table 5**. Low levels of Appendix IV constituents (barium, cadmium, fluoride, lithium, molybdenum, and radium 226 and 228 combined) were detected in the downgradient monitoring wells. Low levels of barium, chromium, and fluoride were detected in the background/upgradient monitoring well MW-U1. **Table 5** shows that all the detected concentrations of Appendix IV constituents are below their respective USEPA's MCLs or groundwater protection standards (GWPS). Low level Appendix IV constituents

detected during the April 2025 monitoring event can be naturally occurring as some of these constituents were also detected at low concentrations in the background well. Laboratory reports are included in **Appendix B**. Results of the field sampling quality control samples (field blank and equipment blank) are also provided in **Appendix B**.

The April 2025 assessment monitoring results were statistically evaluated in accordance with 40 C.F.R. §257.93(g). The statistical analysis results are discussed in Section 3.

3.0 STATISTICAL DATA ANALYSIS PROCEDURES

Statistical analysis of the groundwater data collected during the assessment monitoring event was performed in accordance with the methods listed in the Groundwater Monitoring and Statistical Analysis Plan [Geosyntec, 2020]. The statistical methods meet the requirements of the methods specified in 40 C.F.R. §257.93(f) (1) through (5) and the performance standards specified in 40 C.F.R. §257.93(g). Statistical analysis was performed using Sanitas™ v.9.6.05 software for Appendix III and Appendix IV constituents. Sanitas™ is a decision-support software package, that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA document Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance (Unified Guidance) (USEPA, 2009).

The primary objectives of the statistical data analysis conducted during this reporting period are:

(i) To assess if Appendix III constituents have returned to background levels.

(ii) To calculate statistically derived background concentration for each Appendix IV constituent. The statistically derived background concentration is used as GWPS when the statistically derived background concentration is higher than the MCL (if an MCL has been established under 40 C.F.R. §161.62 and §141.66) or the standard listed under 40 C.F.R. §257.95 (h)(2) for those constituents without an established MCL.

(iii) To construct a lower confidence interval for each Appendix IV constituent at each downgradient well and compare the lower confidence interval to an established GWPS and determine whether a statistically significant level (SSL) is present at any of the downgradient monitoring wells.

Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in Sections 3.1 and 3.2.

3.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs). Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background limit to assess whether there are significant statistical increases (SSIs). An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient compliance monitoring well exceeds the constituent's associated PL.

3.2 Appendix IV Statistical Methods

As a first step in developing the GWPS, groundwater data from the background well were screened for potential outlier (anomalous) data. In addition to visual inspection using time-series plots, statistical methods, such as the USEPA 1989 Outlier Screening method, were used to identify outliers in the groundwater data (when the data was normally distributed). Tukey's Outlier Screening method was used when background well data was not normally distributed. Although outliers were detected, they were not removed from the statistical analysis due to: (i) a large number of non-detects (also referred as censored data in the USEPA Unified Guidance) in the data set; and (ii) the USEPA Unified Guidance recommendation on screening data only if the source of the outlier is known. Data distribution was checked using Shapiro Wilk method at 99% confidence level. This method is appropriate for a sample size of less than 50. For statistical data analysis, non-detect laboratory results were replaced with their reporting limit in accordance with the USEPA Unified Guidance recommendation [USEPA, 2009].

The USEPA Unified Guidance recommends utilizing upper tolerance limits (UTL) from the background well to establish background concentrations. In addition, the CCR Rule lists the UTL method, calculated using data from the background well, as one of the methods acceptable for CCR data analysis [40 C.F.R. §257.93(f)(3)]. As a result, the GWPSs for the site were developed utilizing the UTL method and generally consisted of the following procedures:

- Parametric tolerance limits (95% coverage and 95% confidence) were constructed when the background data followed a normal or transformed-normal distribution.

- Non-parametric tolerance limits were calculated for data sets with greater than 50% non-detect values, and for data sets which do not follow a normal or transformed-normal distribution.

- The UTL was calculated for each constituent using background well data collected during the eight detection monitoring events and the assessment monitoring events conducted to date.

As described in 40 C.F.R. §257.95(h), which was adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022, the GWPS is:

(1) the maximum contaminant level (MCL) established under 40 C.F.R. §141.62 and §141.66.

(2) where an MCL has not been established:

(i) Cobalt 0.006 mg/L;

(ii) Lead 0.015 mg/L;

(iii) Lithium 0.040 mg/L; and

(iv) Molybdenum 0.100 mg/L.

(3) the UTL computed from background well data for constituents where the UTL is higher than the MCL or rule-specified GWPS.

3.3 Evaluation of SSLs for Appendix IV Constituents

The USEPA Unified Guidance [USEPA, 2009] recommends utilizing the lower confidence interval from a downgradient well along with the double quantification rule to evaluate SSLs. A 99% lower confidence interval was constructed for each constituent at each downgradient well and the double quantification rule was used to evaluate SSLs. Under this rule, an SSL can be concluded if the lower confidence limit is higher than the GWPS.

4.0 STATISTICAL ANALYSIS RESULTS

Appendix III statistical analyses results identified SSIs for the following constituents: calcium, fluoride, sulfate, and TDS. The PL for each constituent and the list of wells with SSIs are summarized in **Table 6**. Appendix III statistical analyses results indicated that groundwater conditions have not returned to background levels.

The statistical analysis results for Appendix IV constituents are summarized in **Table 7**, which shows the (i) ratio of non-detects to total number of samples; (ii) basic statistics for each constituent in a monitoring well such as minimum and maximum; (iii) UTL of each constituent constructed based on the background well data; (iv) an MCL value for the constituent (if available) established under 40 C.F.R. §161.62 and 40 C.F.R. §141.66 or the standard listed under 40 C.F.R. §257.95(h)(2); and (v) the selected GWPS for each constituent.

Table 8 shows the lower confidence limit constructed for each Appendix IV constituent at each downgradient well and the results of comparison between the lower confidence limit and the selected GWPS to evaluate if there are any SSLs. Comparison of the lower confidence limit to the selected GWPS revealed no SSLs during the reporting period. The Sanitas™ statistical calculations and time-series graphs for each constituent are provided in **Appendix C**.

The former ash pond has been closed by removal and the Appendix IV constituents continue to remain statistically below the GWPS since monitoring began in 2017 (i.e., for 24 monitoring events). CCPC will continue the assessment monitoring one more time in October 2025. If Appendix IV constituents continue to remain below their GWPS during the next monitoring, CCPC will discuss with the Georgia EPD the option of discontinuing the assessment monitoring.

5.0 FUTURE GROUNDWATER MONITORING PROGRAM

Data collected during the assessment monitoring event indicated that Appendix IV constituents detected in the downgradient monitoring wells were below their respective GWPS. Pursuant to the CCR Rule 40 C.F.R. §257.95(d)(1) and GA EPD's CCR Rules, CCPC will continue groundwater sampling semi-annually for Appendix III and Appendix IV constituents. The next semi-annual groundwater monitoring will be in October 2025 and a report will be submitted by January 31, 2026 pursuant to the GA EPD CCR Rule 391-3-4-.10(6)(c).

The CCR removal at the former ash pond has been completed in 2023. Appendix IV constituents continue to remain statistically below the GWPS since monitoring began in 2017 (i.e., for 24 monitoring events). If the Appendix IV constituents continue to remain below their GWPS during the next monitoring, CCPC will discuss with the Georgia EPD the option of discontinuing the assessment monitoring from the former ash pond monitoring wells.

6.0 REFERENCES

CDM Smith, (2014). "Assessment of Dam Safety of Coal Combustion Surface Impoundments – Final Report: Crisp County Power Commission Plant Crisp Warwick, Georgia." Prepared for U.S. Environmental Protection Agency Washington, D.C., Rev. 1, February 2014.

Geologic Map of Georgia, (1976, Reprinted in 1997), Georgia Department of Natural Resources, Geologic and Water Resources Division, Georgia Geologic Survey.

Geosyntec (2018). Annual Groundwater Monitoring Report. Plant Crisp Ash Pond. Prepared for Crisp County Power Commission, January 2018.

Geosyntec (2019). Supplemental Hydrogeologic Assessment Report for Plant Crisp Ash Pond Revision 1, Crisp County Power Commission. December 2019.

Geosyntec (2020). Groundwater Monitoring and Statistical Analysis Plan. Crisp County Power Commission, Plant Crisp Ash Pond. April 2020.

Hicks, D.W., Gill, H.E., and Longsworth S.A. (1987). Hydrogeology, Chemical Quality, and Availability of Ground Water in the Upper Floridan Aquifer, Albany Area, Georgia (USGS).

ND&T (1994). Report of Geotechnical Investigation, Lake Blackshear Dam Repairs, November 1994.

Rizzo Associates. (2015). "Dam Safety Assessment Report Plant Crisp Coal Combustion Waste Impoundment." Submitted to Crisp County Power Commission, 14-5232, Rev. 0, January 2015.

USEPA (2009). Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March 2009.

USEPA (2013). Science and Ecosystem Support Division (SESD, Athens, Georgia) Sample and Evidence Management (SESDPROC-005-R2).

USEPA (2015). Science and Ecosystem Support Division (SESD, Athens, Georgia) Field Equipment Cleaning and Decontamination (SESDPROC-205-R3).

USEPA (2023). Laboratory Services & Applied Science Division (LSASD, Athens, Georgia) Operating Procedure (LSASDPROC-301-R6).

TABLES

Table 1. Monitoring Well Network Summary
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Well ID	Hydraulic Location	Installation Date	Well Depth (ft BTOC)	Easting[(1)]	Northing[(1)]	TOC Elevation[(2)] (ft MSL)	Screen Interval Elevation[(2)] (ft MSL)
MW-D1	Downgradient	2/22/2017	22.82	2365315.12	670708.47	241.77	218.85 - 228.85
MW-D2	Downgradient	2/21/2017	22.51	2365308.73	671291.61	232.66	209.64 - 219.64
MW-D3	Downgradient	2/22/2017	22.72	2365715.53	671291.07	233.77	210.52 - 220.52
MW-U1	Upgradient	2/23/2017	37.35	2366420.55	669996.79	249.52	212.78 - 222.78

Notes:
ft = Feet
MSL = Mean sea level
TOC = Top of casing
BTOC = Below top of casing
The easting, northing, and TOC elevations were obtained from a revised survey performed by J.B. Faircloth & Associates, P.C. on 26 November 2019.
(1): The easting and northing coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.
(2): Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

Table 2. Groundwater Elevation Summary
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Well ID	Monitoring CCR Unit	TOC Elevation (ft MSL)[(1)]	Date: 4/29/2025	
			Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-D1	Former Ash Pond	241.77	15.62	226.15
MW-D2		232.66	12.69	219.97
MW-D3		233.78	6.98	226.80
MW-U1		249.52	12.06	237.46
MW-D4	Former Secondary Ash Area	246.51	10.96	235.55
MW-D5		241.16	8.53	232.63
MW-D6		252.63	22.05	230.58
MW-D7		230.18	7.35	222.83
MW-D8		226.76	7.65	219.11
MW-D9		221.42	7.01	214.41
MW-U2		248.79	11.56	237.23
Lake Blackshear[(2)]	--	--	--	236.91

Notes:
ft = Feet
MSL = Mean sea level
TOC = Top of casing
BTOC = Below top of casing
-- : Not applicable
[(1)]: Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
[(2)]: Surface water elevation at 12 pm on 4/29/2025.

Table 3. Hydraulic Gradient and Groundwater Flow Velocity Calculations
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Location	Hydraulic Gradient (4/29/2025)				Groundwater Flow Velocity (4/29/2025)		
	h_1 (ft)	h_2 (ft)	Δl (ft)	$\Delta h/\Delta l$ (ft/ft)	K_h(ft/day)	ηe	V (ft/year)[1]
Between MW-U1 (h_1) and MW-D9 (h_2)	237.46	214.41	2,075	0.011	0.41	0.20	8.3
Between MW-D4 (h_1) and MW-D9 (h_2)	235.55	214.41	1,690	0.013	0.41	0.20	9.4
Between Lake Blackshear (h_1) and MW-D3 (h_2)	236.91	226.80	905	0.011	0.41	0.20	8.4
Average	**0.012**				**8.7**		

Notes:

ft = Feet

ft/day = Feet per day

ft/ft = Feet per foot

ft/year = Feet per year

h_1 and h_2 = Groundwater elevation for upgradient and downgradient locations, respectively.

$\Delta h/\Delta l$ = Hydraulic gradient

K_h = Hydraulic conductivity geometric mean of 0.41 ft/day estimated using slug testing in ash pond monitoring wells.

Δl = Distance between h_1 and h_2 locations.

ηe = Effective porosity (estimated based on fine-grained sand aquifer) (Kresic, 2007)

V = Groundwater flow velocity

(1) Groundwater flow velocity equation: $V = [K_h * (\Delta h/\Delta l)] / \eta e$

Table 4. Appendix III Analytical Data Summary - Sampling Performed on 29 April 2025
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Appendix III to 40 C.F.R. Part 257 - Constituents for Detection Monitoring

Constituent	Unit	MCL[1]	MDL[2]	Upgradient Well ID	Downgradient Well ID			
				MW-U1	MW-D1	MW-D2	MW-D3	
							MW-D3	DUP-24
Boron	mg/L	N/A	0.022	ND	0.073	0.12	0.12	0.13
Calcium	mg/L	N/A	0.14	38	54	130	57	60
Chloride	mg/L	N/A	1.4	<2.0 (1.6 J)	4.8	4.4	3.5	3.3
Fluoride	mg/L	4	0.022	<0.10 (0.060 J)	0.11	<0.10 (0.070 J)	0.13	0.13
Sulfate	mg/L	N/A	1.4	ND	19	21	23	23
pH[3]	SU	N/A	--	7.89	7.49	6.88	7.48	7.48
Total Dissolved Solids	mg/L	N/A	5.0	110	170	360	190	180

Notes:
mg/L = Milligrams per liter.
ND = The constituent was not detected above the analytical method detection limit (MDL).
MCL = Maximum contaminant level
MDL = Method detection limit
S.U. = Standard unit.
N/A = Not applicable because the constituent does not have an MCL.
J = Result is less than the reporting level but greater than or equal to the MDL and the reported concentration is an approximate value.
-- = Not applicable
DUP-24 is a duplicate sample collected from MW-D3.
(1): MCLs indicate USEPA maximum contaminant levels. MCLs are established under 40 CFR §141.62 and 40 CFR §141.66.
(2): MDL indicates minimum detection limit, which is the minimum concentration of analyte that can be measured and reported.
(3): The pH value was recorded at the time of sample collection in the field.

Table 5. Appendix IV Analytical Data Summary - Sampling Performed on 29 April 2025
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Appendix IV to 40 C.F.R. Part 257 - Constituents for Assessment Monitoring

Constituent	Unit	MCL[1]	CCR-Rule Specified[2]	MDL	Upgradient Well ID	Downgradient Well ID			
					MW-U1	MW-D1	MW-D2	MW-D3	
								MW-D3	DUP-24
Antimony	mg/L	0.006	N/A	0.00034	ND	ND	ND	ND	ND
Arsenic	mg/L	0.01	N/A	0.00086	ND	ND	ND	ND	ND
Barium	mg/L	2	N/A	0.00089	<0.0025 (0.0020 J)	0.0095	0.13	0.030	0.031
Beryllium	mg/L	0.004	N/A	0.0002	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	N/A	0.000078	ND	ND	<0.0010 (0.000085 J)	ND	ND
Chromium	mg/L	0.1[3]	N/A	0.0012	<0.0025 (0.0013 J)	ND	ND	ND	ND
Cobalt	mg/L	0.006[4]	0.006	0.00022	ND	ND	ND	ND	ND
Fluoride	mg/L	4	N/A	0.022	<0.10 (0.060 J)	0.11	<0.10 (0.070 J)	0.13	0.13
Lead	mg/L	0.015[4,5]	N/A	0.00021	ND	ND	ND	ND	ND
Lithium	mg/L	0.04[4]	0.04	0.002	ND	0.0038	ND	<0.0025 (0.0021 J)	0.0032
Mercury	mg/L	0.002[6]	N/A	0.00008	ND	ND	ND	ND	ND
Molybdenum	mg/L	0.1[4]	0.1	0.00086	ND	ND	ND	<0.010 (0.0047 J)	<0.010 (0.0050 J)
Radium 226 and 228 Combined	pCi/L	5	N/A	--[7]	0.710 U	0.0610 U	0.382 U	0.712	0.0602 U
Selenium	mg/L	0.05	N/A	0.00099	ND	ND	ND	ND	ND
Thallium	mg/L	0.002	N/A	0.00026	ND	ND	ND	ND	ND

Notes:
mg/L = Milligrams per liter.
pCi/L = Picocuries per liter.
ND = The constituent was not detected above the analytical method detection limit (MDL).
J = Concentration is less than the reporting level but greater than or equal to the MDL and the reported concentration is an approximate value.
U = Result is less than the sample detection limit.
N/A = Not applicable for the constituent.
[1]: MCLs indicate USEPA maximum contaminant levels. MCLs are established under 40 CFR §141.62 and 40 CFR §141.66.
[2]: On February 22, 2022, the Georgia Environmental Protection Division (GA EPD) adopted the federally promulgated Groundwater Protection Standard (GWPS) for cobalt, lithium, lead, and molybdenum.
[3]: MCL value for total chromium.
[4]: Groundwater Protection Standard (GWPS) obtained from 40 C.F.R. §257.95(h)(2).
[5]: Lead Treatment Technology Action Level is 0.015 mg/L.
[6]: Value for inorganic mercury.
[7]: During the analysis of radium, background concentrations are substracted, thus each sample have a different Minimum Detectable Concentration (MDC). The MDCs were as follows: 0.763 pCi/L for MW-U1, 0.660 pCi/L for MW-D1, 0.637 pCi/L for MW-D2, 0.638 pCi/L for MW-D3, and 0.781 pCi/L for DUP-24.

Table 6. Evaluation of SSIs for Appendix III Constituents
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Appendix III to Part 257 Constituents for Detection Monitoring	Upper Prediction Limit[1]	Wells with SSI (April 2025 Monitoring)
Boron (mg/L)	0.34	None
Calcium (mg/L)	38.1	MW-D1, MW-D2, MW-D3
Chloride (mg/L)	9.833	None
Field pH (SU)	<5.07 or >9.43	None
Fluoride (mg/L)	0.09461	MW-D1, MW-D3
Sulfate (mg/L)	4.595	MW-D1, MW-D2, MW-D3
Total Dissolved Solids (TDS) (mg/L)	128	MW-D1, MW-D2, MW-D3

Notes:

mg/L = Milligrams per liter.

SSI = Statistically Significant Increases compared to background.

SU = Standard Unit

[1]: The upper prediction limit values were calculated using data collected from the background well MW-U1 between February 2017 and April 2025. The April 2025 concentrations from MW-D1, MW-D2, and MW-D3 were compared to the upper predication limit values.

Table 7. Summary of Basic Groundwater Statistics and GWPS for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Appendix IV to Part 257 - Constituents for Assessment Monitoring	Well ID	Number of Samples	Number of Non-detects	% Non-detects	Minimum	Maximum	Upper Tolerance Limit[1]	Maximum Contaminant Level (MCL established under 40 CFR §161.62 and 40 CFR §141.66) or Groundwater Protection Standard (GWPS listed under 40 CFR §257.95(h)(2))	Selected GWPS for the Site
Antimony [mg/L]	MW-D1	16	16	100%	<0.0005	<0.0025		0.006	0.006
	MW-D2	16	16	100%	<0.0005	<0.0025			
	MW-D3	16	16	100%	<0.0005	<0.0025			
	MW-U1	16	16	100%	<0.0005	<0.0025	0.0025		
Arsenic [mg/L]	MW-D1	23	23	100%	<0.00025	<0.0025		0.01	0.01
	MW-D2	23	19	83%	0.00027 (B)	<0.0025			
	MW-D3	23	7	30%	0.00048 (J)	<0.0025			
	MW-U1	24	20	83%	0.00015 (JB)	<0.0025	0.0025		
Barium [mg/L]	MW-D1	24	0	0%	0.0095	0.027		2	2
	MW-D2	24	0	0%	0.087	0.190			
	MW-D3	24	0	0%	0.030	0.230			
	MW-U1	25	0	0%	0.0018	0.0062	0.0062		
Beryllium [mg/L]	MW-D1	16	16	100%	<0.0004	<0.0025		0.004	0.004
	MW-D2	16	16	100%	<0.0004	<0.0025			
	MW-D3	16	16	100%	<0.0004	<0.0025			
	MW-U1	17	17	100%	<0.0004	<0.0025	0.002		
Cadmium [mg/L]	MW-D1	17	17	100%	<0.0002	<0.0025		0.005	0.005
	MW-D2	17	15	88%	0.000075 (J)	<0.0025			
	MW-D3	17	16	94%	0.000071 (J)	<0.0025			
	MW-U1	18	18	100%	<0.0002	<0.0025	0.001		
Chromium [mg/L]	MW-D1	22	19	86%	<0.0005	0.0050		0.1	0.1
	MW-D2	22	19	86%	<0.0005	0.0038			
	MW-D3	22	19	86%	<0.0005	0.0037 (J)			
	MW-U1	23	2	9%	0.0011	0.0051	0.0051		
Cobalt [mg/L]	MW-D1	21	20	95%	<0.0005	<0.0025		0.006	0.006
	MW-D2	21	19	90%	0.00047 (J)	<0.0025			
	MW-D3	21	6	29%	0.00035 (J)	<0.0025			
	MW-U1	23	22	96%	<0.0005	<0.0025	0.0025		
Fluoride [mg/L]	MW-D1	24	0	0%	0.040	0.180		4	4
	MW-D2	24	3	13%	0.040	0.12 (B)			
	MW-D3	24	0	0%	0.060	0.200 (F1)			
	MW-U1	25	3	12%	0.040	0.130	0.1226		

Table 7. Summary of Basic Groundwater Statistics and GWPS for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Lead [mg/L]	MW-D1	16	15	94%	<0.00025	<0.0013		0.015	0.0015
	MW-D2	16	14	88%	<0.00025	<0.0013			
	MW-D3	16	16	100%	<0.00025	<0.0013			
	MW-U1	18	18	100%	<0.00025	<0.0013	0.0013		
Lithium [mg/L]	MW-D1	19	17	89%	<0.0005	<0.005		0.04	0.04
	MW-D2	19	17	89%	<0.0005	<0.005			
	MW-D3	19	15	79%	<0.00048	<0.005			
	MW-U1	20	18	90%	0.00034 (J)	0.0058	0.0058		
Mercury [mg/L]	MW-D1	16	15	94%	0.000077 (JB)	<0.0002		0.002	0.002
	MW-D2	16	14	88%	0.00011 (JB)	<0.0002			
	MW-D3	16	15	94%	0.00011 (JB)	<0.0002			
	MW-U1	17	16	94%	0.000099 (JB)	<0.0002	0.0002		
Molybdenum [mg/L]	MW-D1	22	22	100%	<0.002	<0.02		0.10	0.10
	MW-D2	22	19	86%	0.0012 (J)	<0.02			
	MW-D3	22	4	18%	0.0017 (J)	<0.01			
	MW-U1	23	22	96%	0.0011	<0.02	0.02		
Radium 226 and 228 228 Combined [pCi/L]	MW-D1	24	7	29%	0.0994	1.420		5	5
	MW-D2	24	7	29%	0.0139	1.280			
	MW-D3	24	7	29%	0.0000	1.280			
	MW-U1	24	8	33%	-0.150	1.720	3.305		
Selenium [mg/L]	MW-D1	19	16	84%	<0.00025	<0.0014		0.05	0.05
	MW-D2	19	15	79%	<0.00025	<0.0026			
	MW-D3	19	13	68%	0.00021 (J)	0.0028			
	MW-U1	21	14	67%	0.00039	<0.0013	0.0013		
Thallium [mg/L]	MW-D1	20	20	100%	<0.0001	<0.0005		0.002	0.002
	MW-D2	20	10	50%	0.000085 (J)	<0.0005			
	MW-D3	20	6	30%	0.000095 (J)	<0.0005			
	MW-U1	21	21	100%	<0.0001	<0.0005	0.0005		

Notes:
mg/L = Milligrams per liter
pCi/L = Picocuries per liter
GWPS = Groundwater Protection Standard
Highlighted cells show the background well (MW-U1).
J - Result is less than the reporting level but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.
B - Compound was found in the blank and sample.

Table 8. Evaluation of SSLs for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp - Former Ash Pond

Appendix IV to Part 257 - Constituents for Assessment Monitoring	Well ID	Selected Groundwater Protection Standard (GWPS) for the Site (From Table 7)	Lower Confidence Limit if Detected During the April 2025 Monitoring Period	Concentrations in Downgradient Well Show Statistically Significant Level (SSL) Above GWPS?
Antimony [mg/L]	MW-U1	0.006	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Arsenic [mg/L]	MW-U1	0.01	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Barium [mg/L]	MW-U1	2	Background Well	
	MW-D1		0.0095	No
	MW-D2		0.13	No
	MW-D3		0.03	No
Beryllium [mg/L]	MW-U1	0.004	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Cadmium [mg/L]	MW-U1	0.005	Background Well	
	MW-D1		ND	No
	MW-D2		0.000085 J	No
	MW-D3		ND	No
Chromium [mg/L]	MW-U1	0.1	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Cobalt [mg/L]	MW-U1	0.0060	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Fluoride [mg/L]	MW-U1	4	Background Well	
	MW-D1		0.11	No
	MW-D2		0.070 J	No
	MW-D3		0.13	No
Lead [mg/L]	MW-U1	0.0015	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Lithium [mg/L]	MW-U1	0.0400	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Mercury [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Molybdenum [mg/L]	MW-U1	0.10	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		0.0047 J	No
Radium 226 and 228 228 Combined [pCi/L]	MW-U1	5	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		0.712	No
Selenium [mg/L]	MW-U1	0.05	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Thallium [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No

Notes:
mg/L = Milligrams per liter
pCi/L = Picocuries per liter
ND = Not Detected
Highlighted cells show the background well (MW-U1).

FIGURES

Service Layer Credits: ESRI_World_Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from January 2024.

Legend

- Groundwater Monitoring Well (Former Ash Pond)
- Former Ash Pond Approximate Boundary
- Approximate CCPC Property Boundary

0 250 500 1,000 Feet

Groundwater Monitoring Well Location Map

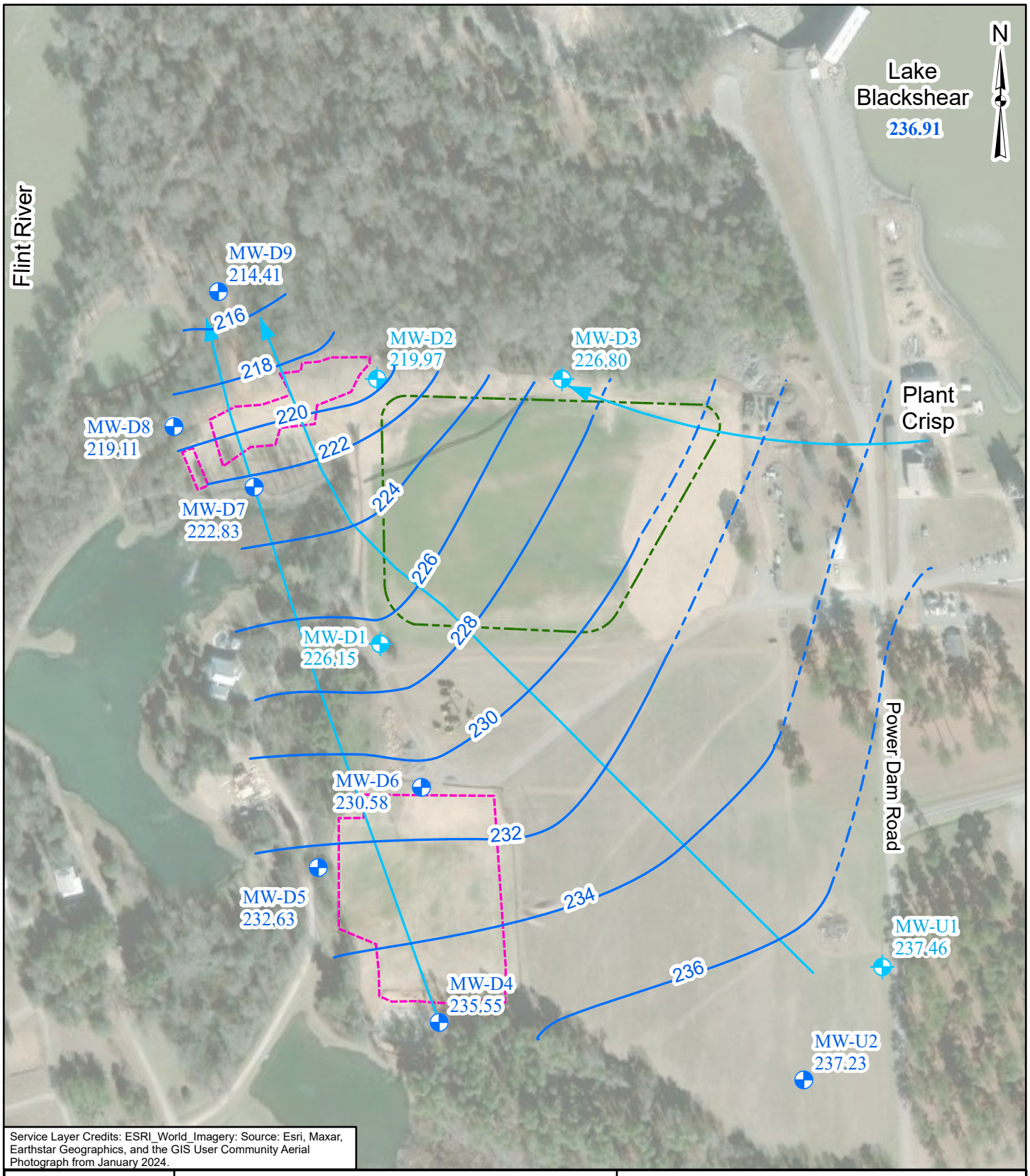
Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants

KENNESAW, GA

DATE:	JULY 2025
PROJECT NO.	GW6152
DOCUMENT NO.	GA250141
FILE NO.	FIGURE 1 GROUNDWATER MONITORING WELL LOCATION MAP
FIGURE NO.	1

\\Aro-01\prj1$\Crisp County\GIS\APRX\July 2025 Semiannual\Former Ash Area.aprx 5/23/2025 5:28 PM DY



Service Layer Credits: ESRI_World_Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from January 2024.

DAWIT D. YIFRU
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 001965

Dawit Yifru
PG001965

Legend

- Monitoring Well (Former Ash Pond)
- Monitoring Well (Former Secondary Ash Areas)
- Groundwater Elevation Contour - 29 April 2025 (ft, MSL) (dashed where inferred)
- Groundwater Flow Direction
- Former Secondary Ash Area Approximate Boundary
- Former Ash Pond Approximate Boundary

Note: MW-U1 serves as background monitoring well for the former ash pond and former secondary ash areas.

0 150 300 Feet

Potentiometric Surface Map (April 2025)

Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants
KENNESAW, GA

DATE:	JULY 2025
PROJECT NO.	GW6152
DOCUMENT NO.	GA 250141
FILE NO.	FIGURE 2 POTENTIOMETRIC SURFACE MAP
FIGURE NO.	2

\\Aro-01\prj1$\Crisp County\GIS\APRX\July 2025 Semiannual\Former Ash Area.aprx 5/23/2025 5:28 PM

APPENDIX A

Field Groundwater Sampling Forms

Depth to Groundwater Level Measurement

1. Open all monitoring wells and wait ~15 min for the water level to equilibrate. Take a full round of water level measurements prior to sampling. **Measure total well depth at the end of the sampling event.** Decontaminate water level indicator between wells. The following table has the list of wells for water level measurement and the most recent depth to water and total well depth.

Monitoring Well ID	Total Well Depth (ft bgs)	Depth to Water (ft btoc) 10/17/2024	Depth to Water (ft btoc) 4/29/2025
MW-U1	37.35	10.84	12.06
MW-U2	30.96	10.19	11.56
MW-D1	22.82	15.20	15.62
MW-D2	22.51	12.75	12.69
MW-D3	22.72	6.77	6.98
MW-D4	29.91	10.52	10.96
MW-D5	36.05	8.49	8.53
MW-D6	37.49	21.58	22.05
MW-D7	27.03	7.48	7.35
MW-D8	27.65	7.57	7.65
MW-D9	27.31	6.61	7.01

Notes:
ft btoc = feet below the top of casing
ft bgs = feet below ground surface
MW-U1 and MW-U2 are background monitoring wells

Low-Flow Test Report:

Test Date / Time: 4/29/2025 11:48:33 AM
Project: CCPC
Operator Name: Z. Webb

Location Name: MW-U1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.35 ft** **Total Depth: 37.35 ft** **Initial Depth to Water: 12 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 32.35 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.8 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Appendix

Weather Conditions:
Clear, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/29/2025 11:48 AM	00:00	7.87 pH	24.36 °C	194.75 µS/cm	7.13 mg/L	2.45 NTU	158.0 mV	12.00 ft	200.00 ml/min
4/29/2025 11:53 AM	05:00	7.86 pH	25.82 °C	194.33 µS/cm	7.07 mg/L	2.23 NTU	361.1 mV	12.35 ft	200.00 ml/min
4/29/2025 11:58 AM	10:00	7.87 pH	24.81 °C	192.16 µS/cm	6.97 mg/L	1.90 NTU	294.8 mV	12.46 ft	200.00 ml/min
4/29/2025 12:03 PM	15:00	7.88 pH	23.22 °C	190.12 µS/cm	7.04 mg/L	1.62 NTU	301.6 mV	12.61 ft	200.00 ml/min
4/29/2025 12:08 PM	20:00	7.88 pH	22.53 °C	189.88 µS/cm	7.18 mg/L	1.18 NTU	301.5 mV	12.75 ft	200.00 ml/min
4/29/2025 12:13 PM	25:00	7.89 pH	22.25 °C	189.13 µS/cm	7.36 mg/L	1.03 NTU	300.1 mV	12.77 ft	200.00 ml/min
4/29/2025 12:18 PM	30:00	7.89 pH	22.04 °C	188.33 µS/cm	7.39 mg/L	0.97 NTU	292.6 mV	12.79 ft	200.00 ml/min
4/29/2025 12:23 PM	35:00	7.89 pH	22.12 °C	188.67 µS/cm	7.36 mg/L	0.60 NTU	290.2 mV	12.80 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-U1-20250429	Grab.

Low-Flow Test Report:

Test Date / Time: 4/29/2025 1:31:27 PM
Project: CCPC
Operator Name: Y. Wang

Location Name: MW-D1 **Well Diameter: 2 in** **Casing Type: PVC Screen** **Length: 10 ft** **Top of Screen: 13 ft** **Total Depth: 23 ft** **Initial Depth to Water: 15.62 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene Pump** **Intake From TOC: 17.5 ft** **Estimated Total Volume Pumped: 8 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: 1170065**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/29/2025 1:31 PM	05:00	7.53 pH	21.65 °C	314.75 µS/cm	4.39 mg/L	0.31 NTU	221.4 mV	16.02 ft
4/29/2025 1:36 PM	10:00	7.53 pH	21.74 °C	313.89 µS/cm	4.19 mg/L	0.31 NTU	181.4 mV	16.18 ft
4/29/2025 1:41 PM	15:00	7.53 pH	21.51 °C	314.42 µS/cm	4.25 mg/L	0.24 NTU	233.1 mV	16.21 ft
4/29/2025 1:46 PM	20:00	7.53 pH	22.18 °C	316.07 µS/cm	4.11 mg/L	0.58 NTU	187.1 mV	16.25 ft
4/29/2025 1:51 PM	25:00	7.51 pH	22.21 °C	316.41 µS/cm	4.09 mg/L	0.25 NTU	190.6 mV	16.29 ft
4/29/2025 1:56 PM	30:00	7.52 pH	22.32 °C	314.97 µS/cm	4.05 mg/L	0.35 NTU	244.1 mV	16.34 ft
4/29/2025 2:01 PM	35:00	7.49 pH	22.36 °C	316.21 µS/cm	3.90 mg/L	0.27 NTU	251.8 mV	16.39 ft
4/29/2025 2:06 PM	40:00	7.49 pH	22.47 °C	316.87 µS/cm	3.95 mg/L	0.31 NTU	258.3 mV	16.43 ft

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/29/2025 1:20:27 PM
Project: CCPC
Operator Name: Y. Wang

Location Name: MW-D2 **Well Diameter: 2 in** **Casing Type: PVC Screen** **Length: 10 ft** **Top of Screen: 13 ft** **Total Depth: 23 ft** **Initial Depth to Water: 12.69 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene Pump** **Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 1.67 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 20	+/- 5
4/29/2025 3:20 PM	05:00	6.91 pH	24.06 °C	640.22 µS/cm	0.37 mg/L	2.25 NTU	172.7 mV	13.15 ft
4/29/2025 3:25 PM	10:00	6.90 pH	23.83 °C	646.54 µS/cm	0.25 mg/L	1.43 NTU	184.0 mV	13.35 ft
4/29/2025 3:30 PM	15:00	6.91 pH	23.81 °C	645.89 µS/cm	0.23 mg/L	0.86 NTU	193.8 mV	13.48 ft
4/29/2025 3:35 PM	20:00	6.89 pH	23.92 °C	643.82 µS/cm	0.35 mg/L	0.75 NTU	293.6 mV	13.59 ft
4/29/2025 3:40 PM	25:00	6.89 pH	23.78 °C	650.86 µS/cm	0.40 mg/L	0.68 NTU	271.6 mV	13.65 ft
4/29/2025 3:44 PM	29:16	6.89 pH	23.98 °C	662.90 µS/cm	0.32 mg/L	0.51 NTU	259.9 mV	13.81 ft
4/29/2025 3:49 PM	34:16	6.88 pH	24.10 °C	659.37 µS/cm	0.31 mg/L	0.48 NTU	273.5 mV	14.36 ft

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/29/2025 5:05:47 PM
Project: CCPC
Operator Name: Z. Webb

Location Name: MW-D3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.72 ft** **Total Depth: 22.72 ft** **Initial Depth to Water: 6.98 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 17.72 ft** **Estimated Total Volume Pumped: 13 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.23 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Appendix

Weather Conditions:
Clear, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/29/2025 5:05 PM	00:00	7.43 pH	23.00 °C	343.67 µS/cm	2.92 mg/L	0.91 NTU	126.5 mV	6.98 ft	200.00 ml/min
4/29/2025 5:10 PM	05:00	7.44 pH	22.02 °C	338.19 µS/cm	3.06 mg/L	1.27 NTU	236.7 mV	8.57 ft	200.00 ml/min
4/29/2025 5:15 PM	10:00	7.46 pH	21.58 °C	333.55 µS/cm	3.25 mg/L	1.99 NTU	283.9 mV	9.62 ft	200.00 ml/min
4/29/2025 5:20 PM	15:00	7.48 pH	21.50 °C	328.56 µS/cm	3.38 mg/L	2.80 NTU	305.9 mV	10.09 ft	200.00 ml/min
4/29/2025 5:25 PM	20:00	7.48 pH	21.11 °C	327.06 µS/cm	3.39 mg/L	1.73 NTU	422.5 mV	10.13 ft	200.00 ml/min
4/29/2025 5:30 PM	25:00	7.47 pH	21.63 °C	327.59 µS/cm	3.42 mg/L	1.46 NTU	428.8 mV	10.15 ft	200.00 ml/min
4/29/2025 5:35 PM	30:00	7.48 pH	21.51 °C	326.01 µS/cm	3.45 mg/L	1.29 NTU	319.7 mV	10.17 ft	200.00 ml/min
4/29/2025 5:40 PM	35:00	7.47 pH	21.46 °C	327.36 µS/cm	3.45 mg/L	0.86 NTU	433.5 mV	10.20 ft	200.00 ml/min
4/29/2025 5:45 PM	40:00	7.48 pH	21.68 °C	326.68 µS/cm	3.51 mg/L	0.74 NTU	447.2 mV	10.20 ft	200.00 ml/min
4/29/2025 5:50 PM	45:00	7.48 pH	21.64 °C	324.82 µS/cm	3.48 mg/L	0.98 NTU	455.6 mV	10.21 ft	200.00 ml/min
4/29/2025 5:55 PM	50:00	7.48 pH	21.46 °C	326.48 µS/cm	3.49 mg/L	0.70 NTU	461.0 mV	10.21 ft	200.00 ml/min
4/29/2025 6:00 PM	55:00	7.47 pH	21.48 °C	327.60 µS/cm	3.44 mg/L	0.51 NTU	466.0 mV	10.21 ft	200.00 ml/min
4/29/2025 6:05 PM	01:00:00	7.48 pH	21.41 °C	324.43 µS/cm	3.51 mg/L	0.66 NTU	468.5 mV	10.21 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D3-20250429	Grab.

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Tony/Yw | Date: 04/30/25 | Time (start): 0803 | Time (finish): 0820

smarTroll SN: 1170065 | Turbidity Meter Type: Hach 2100Q | SN: 24090D000222

Weather Conditions: Sunny | Facility and Unit: CCPC | Project No: GW6152

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218 01/2026	21.02	4490	4510.6	4492.4	+/- 5 %	Yes No	
pH (4)			4.00	4.04	4.00	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	~~22.36~~	YW	4.00	~~4~~ YW		+/- 0.1 SU	Yes No	
pH (7)	24014266 01/2026	22.36	7.00	6.99	7.00	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check		YW	7.00			+/- 0.1 SU	Yes No	
pH (10)	24011537 01/2026	23.13	10.00	9.90	10.01	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check		YW	10.00			+/- 0.1 SU	Yes No	
ORP (mV)	~~24490162~~ 01/2026	23.32	228	228.8	228.8	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	98.07	100.22	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0.10	9.91	9.97	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			~~1.00~~ 20	20.7	20.1	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			~~10.00~~ 100	102	99.8	+/- 0.5 NTU	Yes No	YW

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Zain Webb | Date: 4-30-25 | Time (start): 0806 | Time (finish): 0834

smarTroll SN: 1167968 | Turbidity Meter Type: HACH 2100Q | SN: 23060D600290

Weather Conditions: Clear, 75°F | Facility and Unit: — | Project No: GW6152/03

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218 01/2026	22.2C	4490	4361.8	4490	+/- 5 %	Yes No	—
pH (4)			4.00	3.99	4.00	+/- 0.1 SU	Yes No	—
Mid-Day pH (4) check	—	—	4.00	—	—	+/- 0.1 SU	~~Yes~~ ~~No~~	—
pH (7)	24014266 01/2026	23.0C	7.00	6.95	7.00	+/- 0.1 SU	Yes No	—
Mid-Day pH (7) check	—	—	7.00	—	—	+/- 0.1 SU	~~Yes~~ ~~No~~	—
pH (10)	24011537 01/2026	23.3C	10.00	9.97	10.00	+/- 0.1 SU	Yes No	—
Mid-Day pH (10) check	—	—	10.00	—	—	+/- 0.1 SU	~~Yes~~ ~~No~~	—
ORP (mV)		22.9C	228	227.2	228.0	+/- 20mV	Yes No	—
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	97.0%	100.0%	+/- 6 % saturation	Yes No	—
Turbidity 20 NTU			20	22.5	20	+/- 0.5 NTU	Yes No	—
Turbidity ~~1~~ NTU 100			~~1.00~~ 100	97.6	100	+/- 0.5 NTU	Yes No	—
Turbidity ~~10~~ NTU 800			~~10.00~~ 800	757	800	+/- 0.5 NTU	Yes No	—

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Yongli Wang | Date: 04/29/25 | Time (start): 1045 | Time (finish): 1105

smarTroll SN: 170065 | Turbidity Meter Type: Hach 2100Q | SN: 24090123000274

Weather Conditions: Sunny | Facility and Unit: CCPC | Project No: 6W6152

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218 01/2026	23.61	4490	4178	4484.3	+/- 5 %	Yes No	
pH (4)			4.00	4.02	4.00	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	—	YW	4.00	—	—	+/- 0.1 SU	Yes No	
pH (7)	24014266 01/2026	24.07	7.00	6.97	7.00	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	—	YW	7.00	—	—	+/- 0.1 SU	Yes No	
pH (10)	24011537 01/2026	24.06	10.00	9.90	10.01	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	—	YW	10.00	—	—	+/- 0.1 SU	Yes No	
ORP (mV)	22490162 01/2026	24.11	228	223.7	227.9	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	103.32	99.81	+/- 6 % saturation	Yes No	
Turbidity 0 NTU	[redacted]		0.10	10.5	10.1	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU	[redacted]		~~1.00~~ 20	21	19.9	+/- 0.5 NTU	Yes No	YW
Turbidity 10 NTU	[redacted]		~~10.00~~ 100	103	101	+/- 0.5 NTU	Yes No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Zain Webb | Date: 4-29-25 | Time (start): 0909 | Time (finish): 0929

smarTroll SN: 116798 | Turbidity Meter Type: HACH 2100Q | SN: 23060D000290

Weather Conditions: Cloudy, 75°F | Facility and Unit: — | Project No: GW6152103

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218 01/2026	23.5C	4490	4318.	449000	+/- 5 %	(Yes) No	—
pH (4)			4.00	3.99	4.00	+/- 0.1 SU	(Yes) No	—
Mid-Day pH (4) check	24014218 01/2026	26.8C	4.00	4.10	4.00	+/- 0.1 SU	(Yes) No	—
pH (7)	24014266 01/2026	28.8C	7.00	6.97	7.00	+/- 0.1 SU	(Yes) No	—
Mid-Day pH (7) check	24014266 01/2026	27.7C	7.00	7.06	7.00	+/- 0.1 SU	(Yes) No	—
pH (10)	24011537 01/2026	23.9C	10.00	10.39	10.00	+/- 0.1 SU	(Yes) No	—
Mid-Day pH (10) check	24011537 01/2026	28.0C	10.00	10.02	10.00	+/- 0.1 SU	(Yes) No	—
ORP (mV)	22490162 01/2026	23.7C	228	223.8	228.0	+/- 20mV	(Yes) No	—
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	99.4%	100%	+/- 6 % saturation	(Yes) No	—
Turbidity 20 NTU	[redacted]		20	20.1	20	+/- 0.5 NTU	(Yes) No	—
Turbidity 100 NTU	[redacted]		~~100~~ 100 (2nd)	97.9	100	+/- 0.5 NTU	(Yes) No	—
Turbidity 800 NTU	[redacted]		~~10.00~~ 800 (2nd)	767	800	+/- 0.5 NTU	(Yes) No	—

APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 5/13/2025 8:43:46 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275207-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

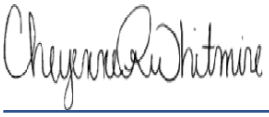
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
5/13/2025 8:43:46 PM

Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Job ID: 400-275207-1 — Eurofins Pensacola

Job Narrative
400-275207-1

Receipt
The samples were received on 5/2/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-708010 was outside control limits. Sample non-homogeneity is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275207-1

Client Sample ID: MW-D1-20250429 — Lab Sample ID: 400-275207-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0095		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.073		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	54		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0038		0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.11		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	19		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.49				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D2-20250429 — Lab Sample ID: 400-275207-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.13		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.12		0.050	0.022	mg/L	1		6020B	Total Recoverable
Cadmium	0.000085	J	0.0010	0.000078	mg/L	1		6020B	Total Recoverable
Calcium	130		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	360		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.070	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	21		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.88				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D3-20250429 — Lab Sample ID: 400-275207-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.030		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.12		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	57		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0021	J	0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0047	J	0.010	0.00086	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	190		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.5		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.13		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	23		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.48				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-24-20250429 — Lab Sample ID: 400-275207-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.031		0.0025	0.00089	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: DUP-24-20250429 (Continued)

Lab Sample ID: 400-275207-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.13		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	60		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0032		0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0050	J	0.010	0.00086	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.13		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	23		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275207-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275207-1	MW-D1-20250429	Water	04/29/25 14:09	05/02/25 10:10
400-275207-2	MW-D2-20250429	Water	04/29/25 15:52	05/02/25 10:10
400-275207-3	MW-D3-20250429	Water	04/29/25 18:10	05/02/25 10:10
400-275207-4	DUP-24-20250429	Water	04/29/25 00:00	05/02/25 10:10

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-D1-20250429
Lab Sample ID: 400-275207-1
Date Collected: 04/29/25 14:09
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:42	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:42	1
Barium	**0.0095**		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:42	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:42	1
Boron	**0.073**		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:42	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:42	1
Calcium	**54**		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:42	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:42	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:42	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:42	1
Lithium	**0.0038**		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:56	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:42	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:42	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	**4.8**		2.0	1.4	mg/L			05/09/25 11:08	1
Fluoride (SM 4500 F C)	**0.11**		0.10	0.022	mg/L			05/05/25 12:15	1
Sulfate (SM 4500 SO4 E)	**19**		5.0	1.4	mg/L			05/08/25 13:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.49**				SU			04/29/25 13:09	1

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-D2-20250429
Lab Sample ID: 400-275207-2
Date Collected: 04/29/25 15:52
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:45	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:45	1
Barium	**0.13**		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:45	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:45	1
Boron	**0.12**		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:45	1
Cadmium	**0.000085**	**J**	0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:45	1
Calcium	**130**		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:45	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:45	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:45	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:45	1
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:18	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:45	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:45	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**360**		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	**4.4**		2.0	1.4	mg/L			05/09/25 11:07	1
Fluoride (SM 4500 F C)	**0.070**	**J**	0.10	0.022	mg/L			05/05/25 12:22	1
Sulfate (SM 4500 SO4 E)	**21**		5.0	1.4	mg/L			05/08/25 13:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.88**				SU			04/29/25 14:52	1

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-D3-20250429
Lab Sample ID: 400-275207-3
Date Collected: 04/29/25 18:10
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:32	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:32	1
Barium	**0.030**		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:32	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:32	1
Boron	**0.12**		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:32	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:32	1
Calcium	**57**		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:32	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:32	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:32	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:32	1
Lithium	**0.0021**	**J**	0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:46	1
Molybdenum	**0.0047**	**J**	0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:32	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:32	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**190**		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	**3.5**		2.0	1.4	mg/L			05/09/25 11:06	1
Fluoride (SM 4500 F C)	**0.13**		0.10	0.022	mg/L			05/05/25 12:25	1
Sulfate (SM 4500 SO4 E)	**23**		5.0	1.4	mg/L			05/08/25 13:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.48**				SU			04/29/25 17:10	1

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Client Sample ID: DUP-24-20250429
Lab Sample ID: 400-275207-4
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:40	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:40	1
Barium	**0.031**		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:40	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:40	1
Boron	**0.13**		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:40	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:40	1
Calcium	**60**		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:40	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:40	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:40	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:40	1
Lithium	**0.0032**		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:54	1
Molybdenum	**0.0050**	**J**	0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:40	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:40	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**180**		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	**3.3**		2.0	1.4	mg/L			05/09/25 11:06	1
Fluoride (SM 4500 F C)	**0.13**		0.10	0.022	mg/L			05/05/25 12:28	1
Sulfate (SM 4500 SO4 E)	**23**		5.0	1.4	mg/L			05/08/25 13:47	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: MW-D1-20250429
Lab Sample ID: 400-275207-1

Date Collected: 04/29/25 14:09
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:42
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 08:56
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:05
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:08
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:15
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:44
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 13:09

Client Sample ID: MW-D2-20250429
Lab Sample ID: 400-275207-2

Date Collected: 04/29/25 15:52
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:45
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:18
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:10
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:07
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:22
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:45
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 14:52

Client Sample ID: MW-D3-20250429
Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:32
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 08:46
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:07
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:06
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:25

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-D3-20250429
Lab Sample ID: 400-275207-3
Date Collected: 04/29/25 18:10
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:46
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 17:10

Client Sample ID: DUP-24-20250429
Lab Sample ID: 400-275207-4
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:40
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 08:54
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 16:55
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:06
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:28
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:47

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Metals

Prep Batch: 881808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total Recoverable	Water	3005A	
400-275207-2	MW-D2-20250429	Total Recoverable	Water	3005A	
400-275207-3	MW-D3-20250429	Total Recoverable	Water	3005A	
400-275207-4	DUP-24-20250429	Total Recoverable	Water	3005A	
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-275207-3 MS	MW-D3-20250429	Total Recoverable	Water	3005A	
400-275207-3 MSD	MW-D3-20250429	Total Recoverable	Water	3005A	

Prep Batch: 881859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	7470A	
400-275207-2	MW-D2-20250429	Total/NA	Water	7470A	
400-275207-3	MW-D3-20250429	Total/NA	Water	7470A	
400-275207-4	DUP-24-20250429	Total/NA	Water	7470A	
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-275207-4 MS	DUP-24-20250429	Total/NA	Water	7470A	
400-275207-4 MSD	DUP-24-20250429	Total/NA	Water	7470A	

Analysis Batch: 881880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total Recoverable	Water	6020B	881808
400-275207-2	MW-D2-20250429	Total Recoverable	Water	6020B	881808
400-275207-3	MW-D3-20250429	Total Recoverable	Water	6020B	881808
400-275207-4	DUP-24-20250429	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-3 MS	MW-D3-20250429	Total Recoverable	Water	6020B	881808
400-275207-3 MSD	MW-D3-20250429	Total Recoverable	Water	6020B	881808

Analysis Batch: 881883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	7470A	881859
400-275207-2	MW-D2-20250429	Total/NA	Water	7470A	881859
400-275207-3	MW-D3-20250429	Total/NA	Water	7470A	881859
400-275207-4	DUP-24-20250429	Total/NA	Water	7470A	881859
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	881859
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	881859
400-275207-4 MS	DUP-24-20250429	Total/NA	Water	7470A	881859
400-275207-4 MSD	DUP-24-20250429	Total/NA	Water	7470A	881859

Analysis Batch: 881964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total Recoverable	Water	6020B	881808
400-275207-2	MW-D2-20250429	Total Recoverable	Water	6020B	881808
400-275207-3	MW-D3-20250429	Total Recoverable	Water	6020B	881808
400-275207-4	DUP-24-20250429	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-3 MS	MW-D3-20250429	Total Recoverable	Water	6020B	881808

Metals (Continued)

Analysis Batch: 881964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-3 MSD	MW-D3-20250429	Total Recoverable	Water	6020B	881808

General Chemistry

Analysis Batch: 708010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 2540C	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 2540C	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 2540C	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 2540C	
MB 400-708010/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-708010/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-275207-1 DU	MW-D1-20250429	Total/NA	Water	SM 2540C	

Analysis Batch: 708098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 4500 F C	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 4500 F C	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 4500 F C	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 4500 F C	
MB 400-708098/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-708098/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-708098/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-275207-1 MSD	MW-D1-20250429	Total/NA	Water	SM 4500 F C	
400-275223-B-3 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 708576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 4500 SO4 E	
MB 400-708576/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-708576/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-708576/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 708680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 4500 Cl- E	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 4500 Cl- E	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 4500 Cl- E	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 4500 Cl- E	
MB 400-708680/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-708680/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-708680/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-275211-B-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-275211-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Field Service / Mobile Lab

Analysis Batch: 708168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	Field Sampling	
400-275207-2	MW-D2-20250429	Total/NA	Water	Field Sampling	
400-275207-3	MW-D3-20250429	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:27	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:27	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:27	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:27	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:27	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:27	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:27	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:27	1

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:41	1

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0515		mg/L		103	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.102		mg/L		102	80 - 120
Beryllium	0.0500	0.0550		mg/L		110	80 - 120
Boron	0.400	0.409		mg/L		102	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	5.00	5.21		mg/L		104	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0547		mg/L		109	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Molybdenum	0.100	0.106		mg/L		106	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.0500	0.0505		mg/L		101	80 - 120

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.498		mg/L		100	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 400-275207-3 MS
Matrix: Water
Analysis Batch: 881880

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.0500	0.0504		mg/L		101	75 - 125
Arsenic	ND		0.100	0.0993		mg/L		99	75 - 125
Barium	0.030		0.100	0.130		mg/L		100	75 - 125
Beryllium	ND		0.0500	0.0545		mg/L		109	75 - 125
Boron	0.12		0.400	0.506		mg/L		97	75 - 125
Cadmium	ND		0.0500	0.0514		mg/L		103	75 - 125
Calcium	57		5.00	60.5	4	mg/L		74	75 - 125
Chromium	ND		0.100	0.0991		mg/L		99	75 - 125
Cobalt	ND		0.0500	0.0524		mg/L		105	75 - 125
Lead	ND		0.500	0.505		mg/L		101	75 - 125
Molybdenum	0.0047	J	0.100	0.108		mg/L		103	75 - 125
Selenium	ND		0.100	0.0984		mg/L		98	75 - 125
Thallium	ND		0.0500	0.0499		mg/L		100	75 - 125

Lab Sample ID: 400-275207-3 MS
Matrix: Water
Analysis Batch: 881964

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125

Lab Sample ID: 400-275207-3 MSD
Matrix: Water
Analysis Batch: 881880

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.0500	0.0520		mg/L		104	75 - 125	3	20
Arsenic	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Barium	0.030		0.100	0.133		mg/L		102	75 - 125	2	20
Beryllium	ND		0.0500	0.0563		mg/L		113	75 - 125	3	20
Boron	0.12		0.400	0.528		mg/L		103	75 - 125	4	20
Cadmium	ND		0.0500	0.0529		mg/L		106	75 - 125	3	20
Calcium	57		5.00	62.7	4	mg/L		118	75 - 125	4	20
Chromium	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Cobalt	ND		0.0500	0.0542		mg/L		108	75 - 125	3	20
Lead	ND		0.500	0.515		mg/L		103	75 - 125	2	20
Molybdenum	0.0047	J	0.100	0.112		mg/L		107	75 - 125	3	20
Selenium	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Thallium	ND		0.0500	0.0515		mg/L		103	75 - 125	3	20

Lab Sample ID: 400-275207-3 MSD
Matrix: Water
Analysis Batch: 881964

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-881859/1-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 16:46	1

Lab Sample ID: LCS 680-881859/2-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881859

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00236		mg/L		94	80 - 120		

Lab Sample ID: 400-275207-4 MS
Matrix: Water
Analysis Batch: 881883

Client Sample ID: DUP-24-20250429
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00100	0.000943		mg/L		94	80 - 120		

Lab Sample ID: 400-275207-4 MSD
Matrix: Water
Analysis Batch: 881883

Client Sample ID: DUP-24-20250429
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00105		mg/L		105	80 - 120	10	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-708010/1
Matrix: Water
Analysis Batch: 708010

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		5.0	5.0	mg/L			05/03/25 16:40	1

Lab Sample ID: LCS 400-708010/2
Matrix: Water
Analysis Batch: 708010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	260		mg/L		89	78 - 122		

Lab Sample ID: 400-275207-1 DU
Matrix: Water
Analysis Batch: 708010

Client Sample ID: MW-D1-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	170			182	F3	mg/L				6	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-708680/13
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.0	1.4	mg/L			05/09/25 10:59	1

Lab Sample ID: LCS 400-708680/14
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: MRL 400-708680/15
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.68	J	mg/L		84	50 - 150

Lab Sample ID: 400-275211-B-2 MS
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4	J	20.0	20.0		mg/L		100	73 - 120

Lab Sample ID: 400-275211-B-2 MSD
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	J	20.0	21.6		mg/L		108	73 - 120	8	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-708098/9
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.10	0.022	mg/L			05/05/25 12:07	1

Lab Sample ID: LCS 400-708098/11
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.92		mg/L		98	90 - 110

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 400-708098/10
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.103		mg/L		103	50 - 150		

Lab Sample ID: 400-275207-1 MSD
Matrix: Water
Analysis Batch: 708098

Client Sample ID: MW-D1-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.11		1.00	1.13		mg/L		102	75 - 125	0	4

Lab Sample ID: 400-275223-B-3 DU
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.092	J		0.0884	J	mg/L				4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-708576/12
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.4	mg/L			05/08/25 13:37	1

Lab Sample ID: LCS 400-708576/13
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	14.6		mg/L		98	90 - 110		

Lab Sample ID: MRL 400-708576/14
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	3.76	J	mg/L		75	50 - 150		

Lab Sample ID: 240-223608-A-5 MS
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	45	J F1	10.0	48.0	J 4	mg/L		26	77 - 128		

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275207-1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 240-223608-A-5 MSD
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	45	J F1	10.0	47.7	J 4	mg/L		24	77 - 128	1	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Yongli Wang & Jacob Tracy	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-134357-29334.1
Client Contact: Dawit Yifru	Phone: 515-708-3635	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:	Analysis Requested
City: Kennesaw	TAT Requested (days): Standard	
State, Zip: GA, 30144	Compliance Project: Δ Yes X No	
Phone: 770-371-6027	PO #: Purchase Order not required	
Email: dyifru@geosyntec.com	WO #:	
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960	
Site: Crisp County Power Commission	SSOW#:	

Preservation Codes:
D - HNO3
N - None

400-275207 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH					Total Number	Special Instructions/Note:
Preservation Code:							D	N	D	D	N	N	N	N					X	
MW-D1 - 20250429	04/29/25	1409	G	Water	N	N	X	X	X	X	X	X	X	X						pH = 7.49
MW-D2 - 20250429	04/29/25	1552	G	Water	N	N	X	X	X	X	X	X	X	X						pH = 6.88
MW-D3 - 20250429	04/29/25	1810	G	Water	N	N	X	X	X	X	X	X	X	X						pH = 7.48
DUP-24 - 20250429	04/29/25	0000	G	Water	N	N	X	X	X	X	X	X	X	X						

Possible Hazard Identification
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Yongli Wang	05/01/25 0831	Geosyntec		5-2-25 1010	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8

Ver: 03/27/2025

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275207-1

Login Number: 275207

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-1
Project/Site: Crisp County Power Commission

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 6/5/2025 7:33:31 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275207-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

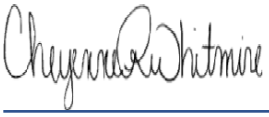
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
6/5/2025 7:33:31 PM

Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275207-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275207-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275207-1	MW-D1-20250429	Water	04/29/25 14:09	05/02/25 10:10
400-275207-2	MW-D2-20250429	Water	04/29/25 15:52	05/02/25 10:10
400-275207-3	MW-D3-20250429	Water	04/29/25 18:10	05/02/25 10:10
400-275207-4	DUP-24-20250429	Water	04/29/25 00:00	05/02/25 10:10

Client Sample ID: MW-D1-20250429
Lab Sample ID: 400-275207-1

Date Collected: 04/29/25 14:09
Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0166	U	0.144	0.144	1.00	0.290	pCi/L	05/06/25 07:55	06/03/25 20:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:07*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0445	U	0.362	0.362	1.00	0.660	pCi/L	05/06/25 08:02	06/03/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*
Y Carrier	*74.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0610	U	0.390	0.390	5.00	0.660	pCi/L		06/04/25 12:19	1

Client Sample ID: MW-D2-20250429
Lab Sample ID: 400-275207-2

Date Collected: 04/29/25 15:52
Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0251	U	0.200	0.200	1.00	0.384	pCi/L	05/06/25 07:55	06/03/25 20:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:07*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.357	U	0.391	0.392	1.00	0.637	pCi/L	05/06/25 08:02	06/03/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*
Y Carrier	*77.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.382	U	0.439	0.440	5.00	0.637	pCi/L		06/04/25 12:19	1

Client Sample ID: MW-D3-20250429
Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.152	U	0.186	0.187	1.00	0.307	pCi/L	05/06/25 07:55	06/03/25 20:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:07*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.561	U	0.415	0.418	1.00	0.638	pCi/L	05/06/25 08:02	06/03/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.712**		0.455	0.458	5.00	0.638	pCi/L		06/04/25 12:19	1

Client Sample ID: DUP-24-20250429
Lab Sample ID: 400-275207-4

Date Collected: 04/29/25 00:00
Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0810	U	0.106	0.106	1.00	0.288	pCi/L	05/06/25 07:55	06/03/25 20:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.141	U	0.443	0.443	1.00	0.781	pCi/L	05/06/25 08:02	06/03/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0602	U	0.456	0.456	5.00	0.781	pCi/L		06/04/25 12:19	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-2
Project/Site: Crisp County Power Commission

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 400-275207-2
Project/Site: Crisp County Power Commission

Client Sample ID: MW-D1-20250429
Lab Sample ID: 400-275207-1
Date Collected: 04/29/25 14:09
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:07
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:52
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-D2-20250429
Lab Sample ID: 400-275207-2
Date Collected: 04/29/25 15:52
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:07
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-D3-20250429
Lab Sample ID: 400-275207-3
Date Collected: 04/29/25 18:10
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:07
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: DUP-24-20250429
Lab Sample ID: 400-275207-4
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-2
Project/Site: Crisp County Power Commission

Rad

Prep Batch: 716183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	PrecSep-21	
400-275207-2	MW-D2-20250429	Total/NA	Water	PrecSep-21	
400-275207-3	MW-D3-20250429	Total/NA	Water	PrecSep-21	
400-275207-4	DUP-24-20250429	Total/NA	Water	PrecSep-21	
MB 160-716183/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-716183/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-267632-AQ-5-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 716185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	PrecSep_0	
400-275207-2	MW-D2-20250429	Total/NA	Water	PrecSep_0	
400-275207-3	MW-D3-20250429	Total/NA	Water	PrecSep_0	
400-275207-4	DUP-24-20250429	Total/NA	Water	PrecSep_0	
MB 160-716185/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-716185/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-267632-AQ-5-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-716183/1-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716183

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2029	U	0.194	0.195	1.00	0.296	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Lab Sample ID: LCS 160-716183/2-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716183

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.885		1.20	1.00	0.389	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.0*		*30 - 110*

Lab Sample ID: 500-267632-AQ-5-A DU
Matrix: Water
Analysis Batch: 720467

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716183

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.540			0.5347		0.256	1.00	0.283	pCi/L			0.01	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*90.5*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-716185/1-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716185

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1763	U	0.360	0.360	1.00	0.624	pCi/L	05/06/25 08:02	06/03/25 11:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:50*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:50*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-716185/2-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716185

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.38	11.10		1.46	1.00	0.564	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.0*		*30 - 110*
Y Carrier	*77.0*		*30 - 110*

Lab Sample ID: 500-267632-AQ-5-B DU
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716185

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.577	U		0.4695	U	0.382	1.00	0.590	pCi/L			0.13	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*90.5*		*30 - 110*
Y Carrier	*75.5*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Yongli Wang & Jacob Tracy	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-134357-29334.1
Client Contact: Dawit Yifru	Phone: 515-708-3635	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:

Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:	Analysis Requested
City: Kennesaw	TAT Requested (days): Standard	
State, Zip: GA, 30144	Compliance Project: Δ Yes X No	
Phone: 770-371-6027	PO #: Purchase Order not required	
Email: dyifru@geosyntec.com	WO #:	
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960	
Site: Crisp County Power Commission	SSOW#:	

Preservation Codes:
D - HNO3
N - None

400-275207 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH					Total Number	Special Instructions/Note:
Preservation Code:							D	N	D	D	N	N	N	N					X	
MW-D1 – 20250429	04/29/25	1409	G	Water	N	N	X	X	X	X	X	X	X	X						pH = 7.49
MW-D2 – 20250429	04/29/25	1552	G	Water	N	N	X	X	X	X	X	X	X	X						pH = 6.88
MW-D3 – 20250429	04/29/25	1810	G	Water	N	N	X	X	X	X	X	X	X	X						pH = 7.48
DUP-24 – 20250429	04/29/25	0000	G	Water	N	N	X	X	X	X	X	X	X	X						

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Yongli Wang	05/1/25 0831	Geosyntec	[illegible]	5-2-25 1010	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8

Ver: 03/27/2025

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275207-2

Login Number: 275207

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275207-2
Project/Site: Crisp County Power Commission

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 5/13/2025 8:44:15 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275211-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

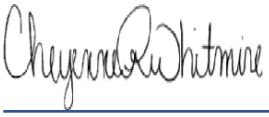
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
5/13/2025 8:44:15 PM

Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Job Narrative
400-275211-1

Receipt
The samples were received on 5/2/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-708010 was outside control limits. Sample non-homogeneity is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275211-1

Client Sample ID: MW-U1-20250429 — Lab Sample ID: 400-275211-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0020	J	0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	38		0.25	0.14	mg/L	1		6020B	Total Recoverable
Chromium	0.0013	J	0.0025	0.0012	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	110		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.6	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.060	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Field pH	7.89				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-U2-20250429 — Lab Sample ID: 400-275211-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.011		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	13		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0021	J	0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	66		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.4	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.038	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	19		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.17				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-20250430 — Lab Sample ID: 400-275211-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0031		0.0025	0.0020	mg/L	1		6020B	Total Recoverable

Client Sample ID: FB-20250430 — Lab Sample ID: 400-275211-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0030		0.0025	0.0020	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275211-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275211-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275211-1	MW-U1-20250429	Water	04/29/25 12:28	05/02/25 10:10
400-275211-2	MW-U2-20250429	Water	04/29/25 12:22	05/02/25 10:10
400-275211-3	EB-20250430	Water	04/30/25 11:48	05/02/25 10:10
400-275211-4	FB-20250430	Water	04/30/25 11:37	05/02/25 10:10

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-U1-20250429
Lab Sample ID: 400-275211-1

Date Collected: 04/29/25 12:28
Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:58	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:58	1
Barium	**0.0020**	**J**	0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:58	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:58	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:58	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:58	1
Calcium	**38**		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:58	1
Chromium	**0.0013**	**J**	0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:58	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:58	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:58	1
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:08	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:58	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:58	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	**1.6**	**J**	2.0	1.4	mg/L			05/09/25 11:05	1
Fluoride (SM 4500 F C)	**0.060**	**J**	0.10	0.022	mg/L			05/05/25 12:30	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/08/25 13:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.89**				SU			04/29/25 11:28	1

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-U2-20250429
Lab Sample ID: 400-275211-2
Date Collected: 04/29/25 12:22
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 18:00	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 18:00	1
Barium	**0.011**		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 18:00	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 18:00	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 18:00	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 18:00	1
Calcium	**13**		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 18:00	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 18:00	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 18:00	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 18:00	1
Lithium	**0.0021**	**J**	0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:10	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 18:00	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 18:00	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 18:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**66**		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	**1.4**	**J**	2.0	1.4	mg/L			05/09/25 11:04	1
Fluoride (SM 4500 F C)	**0.038**	**J**	0.10	0.022	mg/L			05/05/25 12:33	1
Sulfate (SM 4500 SO4 E)	**19**		5.0	1.4	mg/L			05/08/25 13:48	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.17**				SU			04/29/25 11:22	1

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Client Sample ID: EB-20250430
Lab Sample ID: 400-275211-3

Date Collected: 04/30/25 11:48
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:47	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:47	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:47	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:47	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:47	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:47	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:47	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:47	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:47	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:47	1
Lithium	**0.0031**		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:00	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:47	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:47	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/09/25 11:03	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			05/05/25 12:36	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/08/25 13:48	1

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Client Sample ID: FB-20250430
Lab Sample ID: 400-275211-4

Date Collected: 04/30/25 11:37
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:50	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:50	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:50	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:50	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:50	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:50	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:50	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:50	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:50	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:50	1
Lithium	**0.0030**		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:06	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:50	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:50	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/09/25 11:02	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			05/05/25 12:39	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/08/25 13:49	1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Client Sample ID: MW-U1-20250429
Lab Sample ID: 400-275211-1
Date Collected: 04/29/25 12:28
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:58
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:08
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:12
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:05
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:30
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:47
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 11:28

Client Sample ID: MW-U2-20250429
Lab Sample ID: 400-275211-2
Date Collected: 04/29/25 12:22
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 18:00
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:10
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:02
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:04
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:33
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:48
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 11:22

Client Sample ID: EB-20250430
Lab Sample ID: 400-275211-3
Date Collected: 04/30/25 11:48
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:47
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:00
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:21
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:03
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:36

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Client Sample ID: EB-20250430
Lab Sample ID: 400-275211-3
Date Collected: 04/30/25 11:48
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:48

Client Sample ID: FB-20250430
Lab Sample ID: 400-275211-4
Date Collected: 04/30/25 11:37
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:50
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:06
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:14
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 Cl- E		1	708680	CJK	EET PEN	05/09/25 11:02
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:39
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:49

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Metals

Prep Batch: 881808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total Recoverable	Water	3005A	
400-275211-2	MW-U2-20250429	Total Recoverable	Water	3005A	
400-275211-3	EB-20250430	Total Recoverable	Water	3005A	
400-275211-4	FB-20250430	Total Recoverable	Water	3005A	
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-275207-C-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-275207-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 881859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	7470A	
400-275211-2	MW-U2-20250429	Total/NA	Water	7470A	
400-275211-3	EB-20250430	Total/NA	Water	7470A	
400-275211-4	FB-20250430	Total/NA	Water	7470A	
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-275207-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	
400-275207-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 881880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total Recoverable	Water	6020B	881808
400-275211-2	MW-U2-20250429	Total Recoverable	Water	6020B	881808
400-275211-3	EB-20250430	Total Recoverable	Water	6020B	881808
400-275211-4	FB-20250430	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-C-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	881808
400-275207-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	881808

Analysis Batch: 881883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	7470A	881859
400-275211-2	MW-U2-20250429	Total/NA	Water	7470A	881859
400-275211-3	EB-20250430	Total/NA	Water	7470A	881859
400-275211-4	FB-20250430	Total/NA	Water	7470A	881859
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	881859
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	881859
400-275207-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	881859
400-275207-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	881859

Analysis Batch: 881964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total Recoverable	Water	6020B	881808
400-275211-2	MW-U2-20250429	Total Recoverable	Water	6020B	881808
400-275211-3	EB-20250430	Total Recoverable	Water	6020B	881808
400-275211-4	FB-20250430	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-C-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	881808

Metals (Continued)

Analysis Batch: 881964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	881808

General Chemistry

Analysis Batch: 708010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 2540C	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 2540C	
400-275211-3	EB-20250430	Total/NA	Water	SM 2540C	
400-275211-4	FB-20250430	Total/NA	Water	SM 2540C	
MB 400-708010/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-708010/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-275207-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 708098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 4500 F C	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 4500 F C	
400-275211-3	EB-20250430	Total/NA	Water	SM 4500 F C	
400-275211-4	FB-20250430	Total/NA	Water	SM 4500 F C	
MB 400-708098/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-708098/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-708098/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-275223-B-3 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 708576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275211-3	EB-20250430	Total/NA	Water	SM 4500 SO4 E	
400-275211-4	FB-20250430	Total/NA	Water	SM 4500 SO4 E	
MB 400-708576/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-708576/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-708576/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 708680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 4500 Cl- E	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 4500 Cl- E	
400-275211-3	EB-20250430	Total/NA	Water	SM 4500 Cl- E	
400-275211-4	FB-20250430	Total/NA	Water	SM 4500 Cl- E	
MB 400-708680/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-708680/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-708680/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-275211-2 MS	MW-U2-20250429	Total/NA	Water	SM 4500 Cl- E	
400-275211-2 MSD	MW-U2-20250429	Total/NA	Water	SM 4500 Cl- E	

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275211-1

Field Service / Mobile Lab

Analysis Batch: 708168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	Field Sampling	
400-275211-2	MW-U2-20250429	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:27	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:27	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:27	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:27	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:27	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:27	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:27	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:27	1

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:41	1

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0515		mg/L		103	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.102		mg/L		102	80 - 120
Beryllium	0.0500	0.0550		mg/L		110	80 - 120
Boron	0.400	0.409		mg/L		102	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	5.00	5.21		mg/L		104	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0547		mg/L		109	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Molybdenum	0.100	0.106		mg/L		106	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.0500	0.0505		mg/L		101	80 - 120

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.498		mg/L		100	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 400-275207-C-3-B MS
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.0500	0.0504		mg/L		101	75 - 125
Arsenic	ND		0.100	0.0993		mg/L		99	75 - 125
Barium	0.030		0.100	0.130		mg/L		100	75 - 125
Beryllium	ND		0.0500	0.0545		mg/L		109	75 - 125
Boron	0.12		0.400	0.506		mg/L		97	75 - 125
Cadmium	ND		0.0500	0.0514		mg/L		103	75 - 125
Calcium	57		5.00	60.5	4	mg/L		74	75 - 125
Chromium	ND		0.100	0.0991		mg/L		99	75 - 125
Cobalt	ND		0.0500	0.0524		mg/L		105	75 - 125
Lead	ND		0.500	0.505		mg/L		101	75 - 125
Molybdenum	0.0047	J	0.100	0.108		mg/L		103	75 - 125
Selenium	ND		0.100	0.0984		mg/L		98	75 - 125
Thallium	ND		0.0500	0.0499		mg/L		100	75 - 125

Lab Sample ID: 400-275207-C-3-B MS
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125

Lab Sample ID: 400-275207-C-3-C MSD
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.0500	0.0520		mg/L		104	75 - 125	3	20
Arsenic	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Barium	0.030		0.100	0.133		mg/L		102	75 - 125	2	20
Beryllium	ND		0.0500	0.0563		mg/L		113	75 - 125	3	20
Boron	0.12		0.400	0.528		mg/L		103	75 - 125	4	20
Cadmium	ND		0.0500	0.0529		mg/L		106	75 - 125	3	20
Calcium	57		5.00	62.7	4	mg/L		118	75 - 125	4	20
Chromium	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Cobalt	ND		0.0500	0.0542		mg/L		108	75 - 125	3	20
Lead	ND		0.500	0.515		mg/L		103	75 - 125	2	20
Molybdenum	0.0047	J	0.100	0.112		mg/L		107	75 - 125	3	20
Selenium	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Thallium	ND		0.0500	0.0515		mg/L		103	75 - 125	3	20

Lab Sample ID: 400-275207-C-3-C MSD
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-881859/1-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 16:46	1

Lab Sample ID: LCS 680-881859/2-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881859

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00236		mg/L		94	80 - 120		

Lab Sample ID: 400-275207-C-4-C MS
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00100	0.000943		mg/L		94	80 - 120		

Lab Sample ID: 400-275207-C-4-D MSD
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00105		mg/L		105	80 - 120	10	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-708010/1
Matrix: Water
Analysis Batch: 708010

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		5.0	5.0	mg/L			05/03/25 16:40	1

Lab Sample ID: LCS 400-708010/2
Matrix: Water
Analysis Batch: 708010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	260		mg/L		89	78 - 122		

Lab Sample ID: 400-275207-B-1 DU
Matrix: Water
Analysis Batch: 708010

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	170			182	F3	mg/L				6	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-708680/13
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.0	1.4	mg/L			05/09/25 10:59	1

Lab Sample ID: LCS 400-708680/14
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	48.7		mg/L		97	90 - 110		

Lab Sample ID: MRL 400-708680/15
Matrix: Water
Analysis Batch: 708680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			2.00	1.68	J	mg/L		84	50 - 150		

Lab Sample ID: 400-275211-2 MS
Matrix: Water
Analysis Batch: 708680

Client Sample ID: MW-U2-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1.4	J	20.0	20.0		mg/L		100	73 - 120		

Lab Sample ID: 400-275211-2 MSD
Matrix: Water
Analysis Batch: 708680

Client Sample ID: MW-U2-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	J	20.0	21.6		mg/L		108	73 - 120	8	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-708098/9
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.10	0.022	mg/L			05/05/25 12:07	1

Lab Sample ID: LCS 400-708098/11
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			5.00	4.92		mg/L		98	90 - 110		

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 400-708098/10
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.103		mg/L		103	50 - 150		

Lab Sample ID: 400-275223-B-3 DU
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.092	J		0.0884	J	mg/L				4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-708576/12
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.4	mg/L			05/08/25 13:37	1

Lab Sample ID: LCS 400-708576/13
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	14.6		mg/L		98	90 - 110		

Lab Sample ID: MRL 400-708576/14
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			5.00	3.76	J	mg/L		75	50 - 150		

Lab Sample ID: 240-223608-A-5 MS
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	45	J F1	10.0	48.0	J 4	mg/L		26	77 - 128		

Lab Sample ID: 240-223608-A-5 MSD
Matrix: Water
Analysis Batch: 708576

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	45	J F1	10.0	47.7	J 4	mg/L		24	77 - 128	1	5

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Yongli Wang & Jacob Tracy	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-134357-29334.1
Client Contact: Dawit Yifru	Phone: 515-708-3635	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			
City: Kennesaw	TAT Requested (days): Standard			
State, Zip: GA, 30144	Compliance Project: Δ Yes X No			
Phone: 770-371-6027	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960			
Site: Crisp County Power Commission	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

400-275211 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	D	D	N	N	N	N		
MW-U1 -20250429	04/24/25	1228	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.39
MW-U2 -20250429	04/24/25	1222	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.17
EB -20250430	04/30/25	1148	G	Water	N	N	X	X	X	X	X	X	X	X		
FB -20250430	04/30/25	1137	G	Water	N	N	X	X	X	X	X	X	X	X		

Possible Hazard Identification
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client X Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Yongli Wang	5/1/25 0831	Geosyntec		5/2/25 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8

Ver: 03/27/2025

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275211-1

Login Number: 275211

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275211-1
Project/Site: Crisp County Power Commission

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 6/5/2025 7:34:30 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275211-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

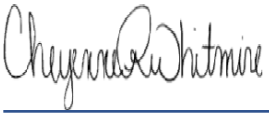
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
6/5/2025 7:34:30 PM

Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275211-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275211-2
Project/Site: Crisp County Power Commission

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275211-1	MW-U1-20250429	Water	04/29/25 12:28	05/02/25 10:10
400-275211-2	MW-U2-20250429	Water	04/29/25 12:22	05/02/25 10:10
400-275211-3	EB-20250430	Water	04/30/25 11:48	05/02/25 10:10
400-275211-4	FB-20250430	Water	04/30/25 11:37	05/02/25 10:10

Client Sample ID: MW-U1-20250429
Lab Sample ID: 400-275211-1

Date Collected: 04/29/25 12:28
Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.146	U	0.171	0.172	1.00	0.278	pCi/L	05/06/25 07:55	06/03/25 20:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.564	U	0.481	0.484	1.00	0.763	pCi/L	05/06/25 08:02	06/03/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.710	U	0.510	0.514	5.00	0.763	pCi/L		06/04/25 12:19	1

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 400-275211-2
Project/Site: Crisp County Power Commission

Client Sample ID: MW-U2-20250429
Lab Sample ID: 400-275211-2
Date Collected: 04/29/25 12:22
Matrix: Water
Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0518	U	0.149	0.149	1.00	0.283	pCi/L	05/06/25 07:55	06/03/25 20:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.171	U	0.348	0.348	1.00	0.605	pCi/L	05/06/25 08:02	06/03/25 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:36*	*1*
Y Carrier	*80.4*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:36*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.222	U	0.379	0.379	5.00	0.605	pCi/L		06/04/25 12:19	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power Commission

Job ID: 400-275211-2

Client Sample ID: EB-20250430

Date Collected: 04/30/25 11:48
Date Received: 05/02/25 10:10

Lab Sample ID: 400-275211-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.141	U	0.187	0.188	1.00	0.314	pCi/L	05/06/25 07:55	06/03/25 20:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.462	U	0.388	0.390	1.00	0.605	pCi/L	05/06/25 08:02	06/03/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:54*	*1*
Y Carrier	*80.4*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.603	U	0.431	0.433	5.00	0.605	pCi/L		06/04/25 12:19	1

Client Sample ID: FB-20250430
Lab Sample ID: 400-275211-4

Date Collected: 04/30/25 11:37
Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0818	U	0.154	0.155	1.00	0.276	pCi/L	05/06/25 07:55	06/03/25 20:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:08*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.277	U	0.368	0.369	1.00	0.615	pCi/L	05/06/25 08:02	06/03/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:54*	*1*
Y Carrier	*86.0*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.359	U	0.399	0.400	5.00	0.615	pCi/L		06/04/25 12:19	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 400-275211-2
Project/Site: Crisp County Power Commission

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 400-275211-2
Project/Site: Crisp County Power Commission

Client Sample ID: MW-U1-20250429
Lab Sample ID: 400-275211-1
Date Collected: 04/29/25 12:28
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-U2-20250429
Lab Sample ID: 400-275211-2
Date Collected: 04/29/25 12:22
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:36
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: EB-20250430
Lab Sample ID: 400-275211-3
Date Collected: 04/30/25 11:48
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: FB-20250430
Lab Sample ID: 400-275211-4
Date Collected: 04/30/25 11:37
Matrix: Water
Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275211-2
Project/Site: Crisp County Power Commission

Rad

Prep Batch: 716183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	PrecSep-21	
400-275211-2	MW-U2-20250429	Total/NA	Water	PrecSep-21	
400-275211-3	EB-20250430	Total/NA	Water	PrecSep-21	
400-275211-4	FB-20250430	Total/NA	Water	PrecSep-21	
MB 160-716183/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-716183/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-267632-AQ-5-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 716185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	PrecSep_0	
400-275211-2	MW-U2-20250429	Total/NA	Water	PrecSep_0	
400-275211-3	EB-20250430	Total/NA	Water	PrecSep_0	
400-275211-4	FB-20250430	Total/NA	Water	PrecSep_0	
MB 160-716185/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-716185/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-267632-AQ-5-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-716183/1-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716183

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2029	U	0.194	0.195	1.00	0.296	pCi/L	05/06/25 07:55	06/03/25 20:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/06/25 07:55*	*06/03/25 20:06*	*1*

Lab Sample ID: LCS 160-716183/2-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716183

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.885		1.20	1.00	0.389	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.0*		*30 - 110*

Lab Sample ID: 500-267632-AQ-5-A DU
Matrix: Water
Analysis Batch: 720467

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716183

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.540			0.5347		0.256	1.00	0.283	pCi/L			0.01	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*90.5*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-716185/1-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716185

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1763	U	0.360	0.360	1.00	0.624	pCi/L	05/06/25 08:02	06/03/25 11:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:50*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/06/25 08:02*	*06/03/25 11:50*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-716185/2-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716185

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.38	11.10		1.46	1.00	0.564	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.0*		*30 - 110*
Y Carrier	*77.0*		*30 - 110*

Lab Sample ID: 500-267632-AQ-5-B DU
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716185

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.577	U		0.4695	U	0.382	1.00	0.590	pCi/L			0.13	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*90.5*		*30 - 110*
Y Carrier	*75.5*		*30 - 110*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Yongli Wang & Jacob Tracy	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-134357-29334.1
Client Contact: Dawit Yifru	Phone: 515-708-3635	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			
City: Kennesaw	TAT Requested (days): Standard			
State, Zip: GA, 30144	Compliance Project: Δ Yes X No			
Phone: 770-371-6027	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960			
Site: Crisp County Power Commission	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None

400-275211 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	D	D	N	N	N	N		
MW-U1 -20250429	04/24/25	1228	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.39
MW-U2 -20250429	04/24/25	1222	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.17
EB -20250430	04/30/25	1148	G	Water	N	N	X	X	X	X	X	X	X	X		
FB -20250430	04/30/25	1137	G	Water	N	N	X	X	X	X	X	X	X	X		

Possible Hazard Identification
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client X Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Yongli Wang	5/1/25 0831	Geosyntec	WS	5/2/25 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8

Ver: 03/27/2025

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275211-2

Login Number: 275211

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 400-275211-2
Project/Site: Crisp County Power Commission

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

APPENDIX C

Statistical Calculations and Time-series Graphs

Prediction Limit

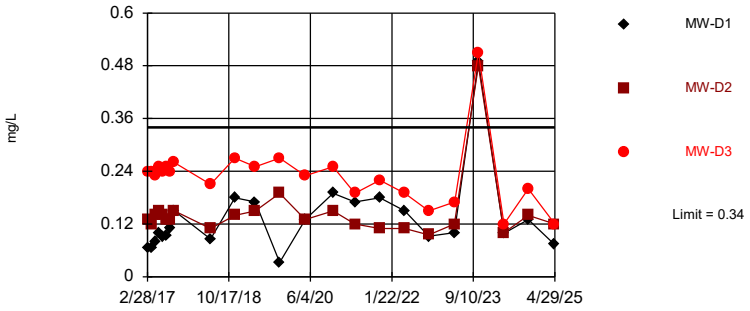
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 6/7/2025, 2:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-D1	0.34	n/a	4/29/2025	0.073	No	25	n/a	n/a	72	n/a	n/a	0.002815	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D2	0.34	n/a	4/29/2025	0.12	No	25	n/a	n/a	72	n/a	n/a	0.002815	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D3	0.34	n/a	4/29/2025	0.12	No	25	n/a	n/a	72	n/a	n/a	0.002815	NP Inter (NDs) 1 of 2
Calcium (mg/L)	**MW-D1**	**38.1**	**n/a**	**4/29/2025**	**54**	**Yes**	**24**	**35.04**	**2.493**	**0**	**None**	**No**	**0.01741**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-D2**	**38.1**	**n/a**	**4/29/2025**	**130**	**Yes**	**24**	**35.04**	**2.493**	**0**	**None**	**No**	**0.01741**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-D3**	**38.1**	**n/a**	**4/29/2025**	**57**	**Yes**	**24**	**35.04**	**2.493**	**0**	**None**	**No**	**0.01741**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-D1	9.833	n/a	4/29/2025	4.8	No	24	n/a	n/a	8.333	n/a	n/a	0.003103	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D2	9.833	n/a	4/29/2025	4.4	No	24	n/a	n/a	8.333	n/a	n/a	0.003103	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D3	9.833	n/a	4/29/2025	3.5	No	24	n/a	n/a	8.333	n/a	n/a	0.003103	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D1	9.43	5.07	4/29/2025	7.49	No	25	n/a	n/a	0	n/a	n/a	0.005631	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D2	9.43	5.07	4/29/2025	6.88	No	25	n/a	n/a	0	n/a	n/a	0.005631	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D3	9.43	5.07	4/29/2025	7.48	No	25	n/a	n/a	0	n/a	n/a	0.005631	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**MW-D1**	**0.09461**	**n/a**	**4/29/2025**	**0.11**	**Yes**	**25**	**0.2591**	**0.03976**	**12**	**None**	**sqrt(x)**	**0.01741**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-D2	0.09461	n/a	4/29/2025	0.07J	No	25	0.2591	0.03976	12	None	sqrt(x)	0.01741	Param Inter 1 of 2
Fluoride (mg/L)	**MW-D3**	**0.09461**	**n/a**	**4/29/2025**	**0.13**	**Yes**	**25**	**0.2591**	**0.03976**	**12**	**None**	**sqrt(x)**	**0.01741**	**Param Inter 1 of 2**
Sulfate (mg/L)	**MW-D1**	**4.595**	**n/a**	**4/29/2025**	**19**	**Yes**	**24**	**0.9986**	**0.4293**	**12.5**	**None**	**ln(x)**	**0.01741**	**Param Inter 1 of 2**
Sulfate (mg/L)	**MW-D2**	**4.595**	**n/a**	**4/29/2025**	**21**	**Yes**	**24**	**0.9986**	**0.4293**	**12.5**	**None**	**ln(x)**	**0.01741**	**Param Inter 1 of 2**
Sulfate (mg/L)	**MW-D3**	**4.595**	**n/a**	**4/29/2025**	**23**	**Yes**	**24**	**0.9986**	**0.4293**	**12.5**	**None**	**ln(x)**	**0.01741**	**Param Inter 1 of 2**
Total Dissolved Solids...	**MW-D1**	**128**	**n/a**	**4/29/2025**	**170**	**Yes**	**24**	**102.4**	**20.85**	**0**	**None**	**No**	**0.01741**	**Param Inter 1 of 2**
Total Dissolved Solids...	**MW-D2**	**128**	**n/a**	**4/29/2025**	**360**	**Yes**	**24**	**102.4**	**20.85**	**0**	**None**	**No**	**0.01741**	**Param Inter 1 of 2**
Total Dissolved Solids...	**MW-D3**	**128**	**n/a**	**4/29/2025**	**190**	**Yes**	**24**	**102.4**	**20.85**	**0**	**None**	**No**	**0.01741**	**Param Inter 1 of 2**

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Annual per-constituent alpha = 0.008422. Individual comparison alpha = 0.002815 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

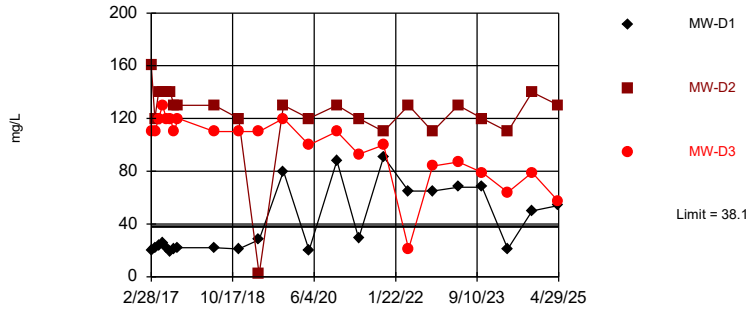
Constituent: Boron Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Exceeds Limit: MW-D1, MW-D2, MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=35.04, Std. Dev.=2.493, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9531, critical = 0.884. Kappa = 1.226 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

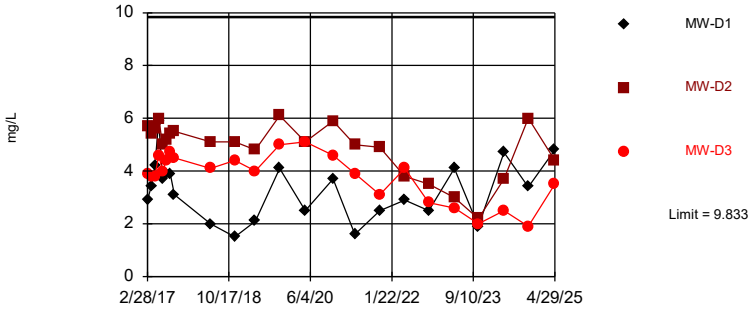
Constituent: Calcium Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Prediction Limit

Interwell Non-parametric



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. Limit is highest of 24 background values. 8.333% NDs. Annual per-constituent alpha = 0.00928. Individual comparison alpha = 0.003103 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

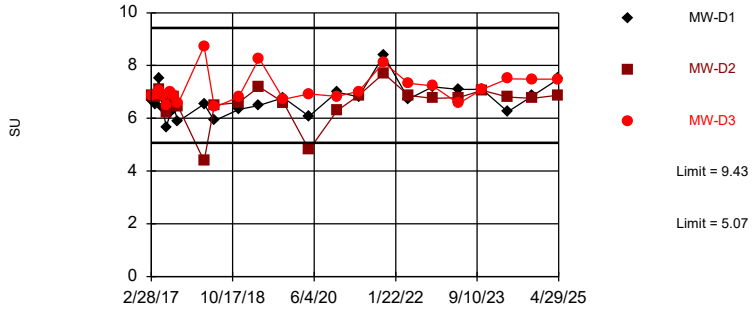
Constituent: Chloride Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limits

Prediction Limit

Interwell Non-parametric



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 25 background values. Annual per-constituent alpha = 0.01684. Individual comparison alpha = 0.005631 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Field pH Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/7/2025 2:06 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	0.065	<0.05	0.13	0.24
3/27/2017	0.066	<0.05	0.12	0.24
4/24/2017	0.079	<0.05	0.14	0.23
5/22/2017	0.1	<0.05	0.15	0.25
6/19/2017	0.091	<0.05	0.14	0.24
7/17/2017	0.094	<0.05	0.13	0.25
8/14/2017	0.11	<0.05	0.13	0.24
9/13/2017	0.15	<0.05	0.15	0.26
3/22/2018		0.0077		
6/5/2018	0.086	<0.05	0.11	0.21
11/29/2018	0.18	<0.05	0.14	0.27
4/29/2019	0.17	<0.05	0.15	0.25
10/23/2019	0.033	0.0051 (J)	0.19	0.27
4/27/2020	0.13	0.0042 (J)	0.13	0.23
11/19/2020	0.19	<0.05	0.15	0.25
4/26/2021	0.17	<0.05 (^)	0.12	0.19
10/26/2021	0.18	0.007 (J)	0.11 (B)	0.22
4/26/2022	0.15	0.0067 (J)	0.11	0.19
10/19/2022		<0.1		
10/20/2022	0.092 (J)		0.095 (J)	0.15
1/18/2023		<0.05 (^3+)		
4/26/2023	0.1 (B)	0.02 (JB)	0.12 (B)	
4/27/2023				0.17 (B)
10/17/2023	0.49	0.34	0.48	0.51
4/23/2024	0.099	<0.05	0.1	0.12
10/16/2024	0.13	<0.05	0.14	0.2
4/29/2025	0.073	<0.05	0.12	0.12

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/7/2025 2:06 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	20	160	110	34
3/27/2017	22	120	110	32
4/24/2017	24	140	120	40
5/22/2017	26	140	130	36
6/19/2017	22	140	120	38
7/17/2017	19 (B)	140	120	37 (B)
8/14/2017	21	130	110	33
9/13/2017	22	130	120	35
6/5/2018	22	130	110	33
11/29/2018	21	120	110	32
4/29/2019	28	2	110	34
10/23/2019	80	130 (B)	120 (B)	38
4/27/2020	20	120	100	31
11/19/2020	88	130	110	36
4/26/2021	29	120	93 (B^)	33
10/26/2021	91	110	100	36
4/26/2022	65 (B)	130 (B)	21 (B)	34 (B)
10/19/2022				31
10/20/2022	65	110	84	
1/18/2023				36 (B)
4/26/2023	68	130		37
4/27/2023			87	
10/17/2023	68	120	79	36
4/23/2024	21	110	64	33
10/16/2024	50	140	79	38
4/29/2025	54	130	57	38

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/7/2025 2:06 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	2.9	2.2	5.7 (F1)	3.9
3/27/2017	3.4	2.1	5.4	3.8
4/24/2017	4.2	1.8 (J)	5.6	3.8
5/22/2017	5.9	2.6	6	4.6
6/19/2017	3.7	1.9 (J)	5	4
7/17/2017	3.9	2.2	5.2	4.4
8/14/2017	3.9	2	5.4	4.7
9/13/2017	3.1	2.2	5.5	4.5
6/5/2018	2	1.8 (J)	5.1	4.1
11/29/2018	1.5 (J)	1.7 (J)	5.1	4.4
4/29/2019	2.1	1.4 (J)	4.8	4
10/23/2019	4.1	9.8 (D)	6.1	5
4/27/2020	2.5	2.4	5.1	5.1
11/19/2020	3.7	2.4	5.9	4.6
4/26/2021	1.6 (J)	9.833 (F1D)	5	3.9
10/26/2021	2.5	1.7 (J)	4.9	3.1
4/26/2022	2.9	1.9 (J)	3.8	4.1
10/19/2022		<2		
10/20/2022	2.5		3.5	2.8
1/18/2023		2.2		
4/26/2023	4.1	1.7 (J)	3	
4/27/2023				2.6
10/17/2023	1.9 (J)	1.9 (J)	2.2	2
4/23/2024	4.7	1.5 (J)	3.7	2.5
10/16/2024	3.4	<2	6	1.9 (J)
4/29/2025	4.8	1.6 (J)	4.4	3.5

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/7/2025 2:06 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

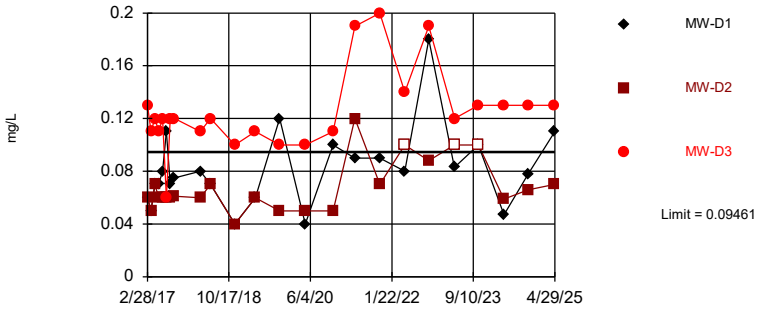
	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	6.67	7.74	6.85	6.87
3/27/2017	6.55	7.78	6.83	6.92
4/24/2017	7.5	7.45	7.1	7.03
5/22/2017	6.39	7.77	6.86	6.88
6/19/2017	5.66	5.07	6.22	6.47
7/17/2017	6.2	6.37	6.68	7.01
8/14/2017	6.36	7.45	6.81	6.86
9/13/2017	5.88	7.63	6.44	6.56
3/22/2018	6.54	7.87	4.38	8.73
6/5/2018	5.91	6.74	6.5	6.42
11/29/2018	6.33	7.72	6.6	6.8
4/29/2019	6.49	7.84	7.19	8.27
10/23/2019	6.78	7.54	6.6	6.72
4/27/2020	6.08	6.05	4.8	6.93
11/19/2020	6.99	7.47	6.28	6.83
4/26/2021	6.82	7.91	6.87	7.02
10/26/2021	8.38	9.28	7.7	8.11
4/26/2022	6.73	8.1	6.86	7.32
10/19/2022		7.98		
10/20/2022	7.19		6.75	7.23
1/18/2023		9.43		
4/26/2023	7.09	7.82	6.78	
4/27/2023				6.56
10/17/2023	7.1	8.1	7.06	7.1
4/23/2024	6.25	7.92	6.8	7.5
10/16/2024	6.84	7.95	6.76	7.48
4/29/2025	7.49	7.89	6.88	7.48

Hollow symbols indicate censored values.

Exceeds Limit: MW-D1, MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=0.2591, Std. Dev.=0.03976, n=25, 12% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9091, critical = 0.888. Kappa = 1.22 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

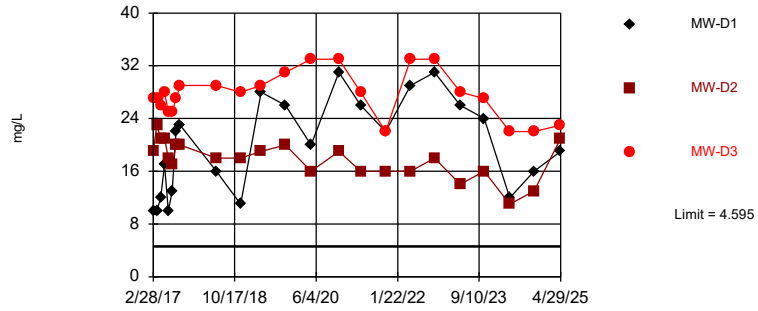
Constituent: Fluoride Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Exceeds Limit: MW-D1, MW-D2, MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=0.9986, Std. Dev.=0.4293, n=24, 12.5% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9157, critical = 0.884. Kappa = 1.226 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

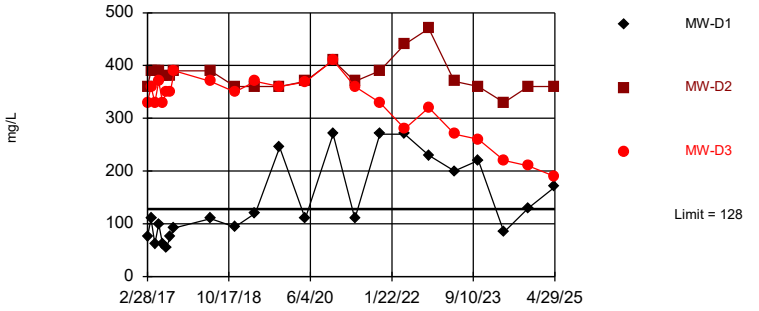
Constituent: Sulfate Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Exceeds Limit: MW-D1, MW-D2, MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=102.4, Std. Dev.=20.85, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9063, critical = 0.884. Kappa = 1.226 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/7/2025 2:05 PM View: Sanitas Sampling 2025 April Ev

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/7/2025 2:06 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	0.06 (J)	0.06 (J)	0.13	0.06 (J)
3/27/2017	0.05 (J)	0.05 (J)	0.11	0.04 (J)
4/24/2017	0.07 (J)	0.07 (J)	0.12	0.06 (J)
5/22/2017	0.07 (J)	0.06 (J)	0.11	0.06 (J)
6/19/2017	0.08 (J)	0.06 (J)	0.12	0.06 (J)
7/17/2017	0.11	0.06 (J)	0.06 (J)	0.06 (J)
8/14/2017	0.07 (J)	0.06 (J)	0.12	0.05 (J)
9/13/2017	0.075 (J)	0.061 (J)	0.12	0.058 (J)
3/22/2018	0.08 (J)	0.06 (J)	0.11	0.07 (J)
6/5/2018	0.07 (J)	0.07 (J)	0.12	0.06 (J)
11/29/2018	0.04 (J)	0.04 (J)	0.1	0.04 (J)
4/29/2019	0.06 (J)	0.06 (J)	0.11	<0.1
10/23/2019	0.12 (B)	0.05 (JB)	0.1 (B)	0.05 (JB)
4/27/2020	0.04 (J)	0.05 (J)	0.1	0.05 (J)
11/19/2020	0.1	0.05 (J)	0.11	0.07 (J)
4/26/2021	0.09 (JB)	0.12 (B)	0.19 (B)	0.1 (B)
10/26/2021	0.09 (J)	0.07 (J)	0.2 (F1)	<0.1
4/26/2022	0.08 (J)	<0.1	0.14	0.07 (J)
10/19/2022				0.13
10/20/2022	0.18	0.088 (J)	0.19	
1/18/2023				0.075 (J)
4/26/2023	0.083 (J)	<0.1		<0.1
4/27/2023			0.12	
10/17/2023	0.1	<0.1	0.13	0.079 (J)
4/23/2024	0.047 (J)	0.059 (J)	0.13	0.05 (J)
10/16/2024	0.078 (J)	0.066 (J)	0.13	0.064 (J)
4/29/2025	0.11	0.07 (J)	0.13	0.06 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/7/2025 2:06 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	10	19	27	2.8 (J)
3/27/2017	10	23	27	2.4 (J)
4/24/2017	12	21 (F1)	26	1.4 (J)
5/22/2017	17	21	28	1.5 (J)
6/19/2017	10	18	25	1.8 (J)
7/17/2017	13	17	25	2.8 (J)
8/14/2017	22	20	27	2.6 (J)
9/13/2017	23	20	29	3.1 (J)
6/5/2018	16	18	29	2.9 (J)
11/29/2018	11	18	28	2 (J)
4/29/2019	28	19	29	<5
10/23/2019	26	20	31	2.8 (J)
4/27/2020	20	16	33	2.6 (J)
11/19/2020	31	19	33	2.3 (J)
4/26/2021	26	16	28	8.867 (D)
10/26/2021	22	16	22	<5
4/26/2022	29	16	33	4.3 (J)
10/19/2022				2.4 (J)
10/20/2022	31	18	33	
1/18/2023				1.9 (J)
4/26/2023	26	14		2 (J)
4/27/2023			28	
10/17/2023	24	16	27	2 (J)
4/23/2024	12	11	22	2.3 (J)
10/16/2024	16	13	22	2.3 (J)
4/29/2025	19	21	23	<5

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/7/2025 2:07 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	76	360	330	80
3/27/2017	110	390	360	120
4/24/2017	62	390	330	44
5/22/2017	100	390	370	100
6/19/2017	62	380	330	92
7/17/2017	54	380	350	78
8/14/2017	76	380	350	86
9/13/2017	92	390	390	110
6/5/2018	110	390	370	110
11/29/2018	94	360	350	66
4/29/2019	120	360	370	120
10/23/2019	245 (D)	360	360	120
4/27/2020	110	370	369 (D)	120
11/19/2020	270	410	410	130
4/26/2021	110	370	360	98
10/26/2021	270	390	330	86
4/26/2022	270	440	280	98
10/19/2022				130
10/20/2022	230	470	320	
1/18/2023				110
4/26/2023	200	370		110
4/27/2023			270	
10/17/2023	220 (H)	360 (H)	260 (H)	110 (H)
4/23/2024	84	330	220	120
10/16/2024	130 (H)	360 (H)	210 (H)	110 (H)
4/29/2025	170	360	190	110

Summary Report

Constituent: Antimony Analysis Run 6/7/2025 2:09 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 66
ND/Trace = 66
Wells = 4
Minimum Value = 0.0005
Maximum Value = 0.0025
Mean Value = 0.002379
Median Value = 0.0025
Standard Deviation = 0.0004809
Coefficient of Variation = 0.2021
Skewness = -3.683

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	16	16	0.0005	0.0025	0.002375	0.0025	0.0005	0.2105	-3.615
MW-D2	16	16	0.0005	0.0025	0.002375	0.0025	0.0005	0.2105	-3.615
MW-D3	16	16	0.0005	0.0025	0.002375	0.0025	0.0005	0.2105	-3.615
MW-U1 (bg)	18	18	0.0005	0.0025	0.002389	0.0025	0.0004714	0.1973	-3.881

Summary Report

Constituent: Arsenic Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 93
ND/Trace = 86
Wells = 4
Minimum Value = 0.00015
Maximum Value = 0.0025
Mean Value = 0.001234
Median Value = 0.0013
Standard Deviation = 0.000403
Coefficient of Variation = 0.3265
Skewness = 0.4114

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	23	23	0.00025	0.0025	0.001307	0.0013	0.0003399	0.2601	0.6163
MW-D2	23	19	0.00027	0.0025	0.001236	0.0013	0.0003944	0.3191	0.454
MW-D3	23	7	0.00048	0.0025	0.0011	0.0011	0.0004538	0.4127	1.024
MW-U1 (bg)	24	20	0.00015	0.0025	0.001292	0.0013	0.0004079	0.3157	-0.0515

Summary Report

Constituent: Barium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 97
ND/Trace = 16
Wells = 4
Minimum Value = 0.0018
Maximum Value = 0.23
Mean Value = 0.07032
Median Value = 0.027
Standard Deviation = 0.07229
Coefficient of Variation = 1.028
Skewness = 0.5911

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	24	0	0.0095	0.027	0.01445	0.014	0.004584	0.3172	1.243
MW-D2	24	0	0.087	0.19	0.1428	0.14	0.02324	0.1628	-0.06876
MW-D3	24	0	0.03	0.23	0.1243	0.115	0.06686	0.5378	0.1668
MW-U1 (bg)	25	0	0.0018	0.0062	0.002516	0.0022	0.0009173	0.3646	2.825

Summary Report

Constituent: Beryllium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 65
ND/Trace = 65
Wells = 4
Minimum Value = 0.0004
Maximum Value = 0.0025
Mean Value = 0.001932
Median Value = 0.002
Standard Deviation = 0.0004135
Coefficient of Variation = 0.214
Skewness = -3.039

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	16	16	0.0004	0.0025	0.001931	0.002	0.000427	0.2211	-3.009
MW-D2	16	16	0.0004	0.0025	0.001931	0.002	0.000427	0.2211	-3.009
MW-D3	16	16	0.0004	0.0025	0.001931	0.002	0.000427	0.2211	-3.009
MW-U1 (bg)	17	17	0.0004	0.0025	0.001935	0.002	0.0004137	0.2138	-3.124

Summary Report

Constituent: Cadmium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 69
ND/Trace = 69
Wells = 4
Minimum Value = 0.000071
Maximum Value = 0.0025
Mean Value = 0.001024
Median Value = 0.001
Standard Deviation = 0.0004338
Coefficient of Variation = 0.4238
Skewness = 1.671

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	17	17	0.0002	0.0025	0.001041	0.001	0.0004229	0.4062	2.137
MW-D2	17	15	0.000075	0.0025	0.00098	0.001	0.000496	0.5061	1.084
MW-D3	17	16	0.000071	0.0025	0.001034	0.001	0.0004397	0.4254	1.713
MW-U1 (bg)	18	18	0.0002	0.0025	0.001039	0.001	0.0004104	0.395	2.214

Summary Report

Constituent: Chromium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 89
ND/Trace = 83
Wells = 4
Minimum Value = 0.0005
Maximum Value = 0.0051
Mean Value = 0.002304
Median Value = 0.0025
Standard Deviation = 0.0008071
Coefficient of Variation = 0.3502
Skewness = 0.75

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	22	19	0.0005	0.005	0.002486	0.0025	0.0007729	0.3109	0.7942
MW-D2	22	19	0.0005	0.0038	0.002414	0.0025	0.0005866	0.243	-1.476
MW-D3	22	19	0.0005	0.0037	0.002445	0.0025	0.0005422	0.2217	-1.744
MW-U1 (bg)	23	2	0.0011	0.0051	0.001891	0.0014	0.001087	0.575	2.191

Summary Report

Constituent: Cobalt Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 86
ND/Trace = 85
Wells = 4
Minimum Value = 0.00035
Maximum Value = 0.0025
Mean Value = 0.00213
Median Value = 0.0025
Standard Deviation = 0.0006676
Coefficient of Variation = 0.3134
Skewness = -1.446

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	21	20	0.0005	0.0025	0.002362	0.0025	0.0004695	0.1988	-3.389
MW-D2	21	19	0.00047	0.0025	0.002332	0.0025	0.0005375	0.2305	-2.88
MW-D3	21	6	0.00035	0.0025	0.001539	0.0014	0.0006937	0.4509	0.2854
MW-U1 (bg)	23	22	0.0005	0.0025	0.002274	0.0025	0.0006129	0.2695	-2.393

Summary Report

Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 96
ND/Trace = 29
Wells = 4
Minimum Value = -0.15
Maximum Value = 1.72
Mean Value = 0.4907
Median Value = 0.495
Standard Deviation = 0.3279
Coefficient of Variation = 0.6682
Skewness = 0.8687

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	24	7	0.0994	1.42	0.4922	0.448	0.3155	0.6409	0.9876
MW-D2	24	7	0.0139	1.28	0.5442	0.5125	0.2865	0.5264	0.5946
MW-D3	24	7	0	1.28	0.5465	0.55	0.2927	0.5355	0.5067
MW-U1 (bg)	24	8	-0.15	1.72	0.3801	0.3	0.3974	1.046	1.546

Summary Report

Constituent: Fluoride Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 97
ND/Trace = 65
Wells = 4
Minimum Value = 0.04
Maximum Value = 0.2
Mean Value = 0.0856
Median Value = 0.075
Standard Deviation = 0.03464
Coefficient of Variation = 0.4047
Skewness = 1.114

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	24	0	0.04	0.18	0.08138	0.079	0.03006	0.3694	1.372
MW-D2	24	3	0.04	0.12	0.06808	0.06	0.01962	0.2882	1.145
MW-D3	24	0	0.06	0.2	0.125	0.12	0.03079	0.2463	0.968
MW-U1 (bg)	25	3	0.04	0.13	0.06864	0.06	0.02193	0.3195	1.117

Summary Report

Constituent: Lead Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 66
ND/Trace = 66
Wells = 4
Minimum Value = 0.00025
Maximum Value = 0.0013
Mean Value = 0.001193
Median Value = 0.0013
Standard Deviation = 0.0002994
Coefficient of Variation = 0.251
Skewness = -2.535

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	16	15	0.00025	0.0013	0.001203	0.0013	0.0002831	0.2353	-2.787
MW-D2	16	14	0.00025	0.0013	0.001126	0.0013	0.0003763	0.3341	-1.657
MW-D3	16	16	0.00025	0.0013	0.001234	0.0013	0.0002625	0.2127	-3.615
MW-U1 (bg)	18	17	0.00025	0.0013	0.001206	0.0013	0.0002833	0.235	-2.743

Summary Report

Constituent: Lithium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 77
ND/Trace = 74
Wells = 4
Minimum Value = 0.00034
Maximum Value = 0.0058
Mean Value = 0.00249
Median Value = 0.0025
Standard Deviation = 0.0008587
Coefficient of Variation = 0.3449
Skewness = 0.838

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	19	17	0.0005	0.005	0.002584	0.0025	0.0008112	0.3139	0.7281
MW-D2	19	17	0.0005	0.005	0.002484	0.0025	0.0008355	0.3363	0.5571
MW-D3	19	15	0.00048	0.005	0.002436	0.0025	0.0008118	0.3333	0.8407
MW-U1 (bg)	20	18	0.00034	0.0058	0.002457	0.0025	0.001014	0.4125	1.057

Summary Report

Constituent: Mercury Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 65
ND/Trace = 65
Wells = 4
Minimum Value = 0.000077
Maximum Value = 0.0002
Mean Value = 0.0001935
Median Value = 0.0002
Standard Deviation = 0.00002474
Coefficient of Variation = 0.1279
Skewness = -3.716

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	16	15	0.000077	0.0002	0.0001923	0.0002	0.00003075	0.1599	-3.615
MW-D2	16	14	0.00011	0.0002	0.0001931	0.0002	0.00002272	0.1176	-3.358
MW-D3	16	15	0.00011	0.0002	0.0001944	0.0002	0.0000225	0.1158	-3.615
MW-U1 (bg)	17	16	0.000099	0.0002	0.0001941	0.0002	0.0000245	0.1262	-3.75

Summary Report

Constituent: Molybdenum Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 89
ND/Trace = 89
Wells = 4
Minimum Value = 0.0011
Maximum Value = 0.02
Mean Value = 0.008439
Median Value = 0.01
Standard Deviation = 0.004053
Coefficient of Variation = 0.4803
Skewness = 0.07161

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	22	22	0.002	0.02	0.01032	0.01	0.002982	0.289	0.7975
MW-D2	22	19	0.0012	0.02	0.009195	0.01	0.004248	0.462	-0.09968
MW-D3	22	4	0.0017	0.01	0.004805	0.00375	0.00304	0.6328	0.7822
MW-U1 (bg)	23	22	0.0011	0.02	0.009396	0.01	0.003592	0.3823	-0.04046

Summary Report

Constituent: Selenium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 78
ND/Trace = 71
Wells = 4
Minimum Value = 0.00021
Maximum Value = 0.0028
Mean Value = 0.001178
Median Value = 0.0013
Standard Deviation = 0.0004614
Coefficient of Variation = 0.3917
Skewness = 0.4206

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	19	16	0.00025	0.0014	0.001174	0.0013	0.0003311	0.282	-2.186
MW-D2	19	15	0.00025	0.0026	0.001209	0.0013	0.0004813	0.3981	0.4582
MW-D3	19	13	0.00021	0.0028	0.001281	0.0013	0.0006333	0.4945	0.6109
MW-U1 (bg)	21	14	0.00039	0.0013	0.00106	0.0013	0.0003552	0.335	-0.8526

Summary Report

Constituent: Thallium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 4/29/2025, a summary of the selected data set:

Observations = 81
ND/Trace = 79
Wells = 4
Minimum Value = 0.000085
Maximum Value = 0.0005
Mean Value = 0.0003777
Median Value = 0.0005
Standard Deviation = 0.0001799
Coefficient of Variation = 0.4764
Skewness = -0.7953

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	20	20	0.0001	0.0005	0.00048	0.0005	0.00008944	0.1863	-4.129
MW-D2	20	10	0.000085	0.0005	0.0003125	0.00038	0.0001954	0.6253	-0.0744
MW-D3	20	6	0.000095	0.0005	0.0002323	0.00012	0.0001805	0.7771	0.8506
MW-U1 (bg)	21	21	0.0001	0.0005	0.000481	0.0005	0.00008729	0.1815	-4.249

Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 6/7/2025, 2:13 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	16	0.002375	0.0005	unknown	ShapiroWilk
Antimony (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	16	0.002375	0.0005	unknown	ShapiroWilk
Antimony (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	16	0.002375	0.0005	unknown	ShapiroWilk
Antimony (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	18	0.002389	0.0004714	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	23	0.001307	0.0003399	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	23	0.001236	0.0003944	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D3	No	n/a	n/a	EPA 1989	0.05	23	0.0011	0.0004538	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.001292	0.0004079	unknown	ShapiroWilk
Barium (mg/L)	MW-D1	No	n/a	n/a	EPA 1989	0.05	24	0.01445	0.004584	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D2	No	n/a	n/a	Rosner`s	0.01	24	0.1428	0.02324	normal	ShapiroWilk
Barium (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	24	0.1243	0.06686	unknown	ShapiroWilk
Barium (mg/L)	**MW-U1 (bg)**	**Yes**	**0.0062**	**11/19/2020**	**NP (nrm)**	**NaN**	**25**	**0.002516**	**0.0009173**	**unknown**	**ShapiroWilk**
Beryllium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001931	0.000427	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001931	0.000427	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001931	0.000427	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001935	0.0004137	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001041	0.0004229	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	17	0.00098	0.000496	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001034	0.0004397	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	18	0.001039	0.0004104	unknown	ShapiroWilk
Chromium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	22	0.002486	0.0007729	unknown	ShapiroWilk
Chromium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	22	0.002414	0.0005866	unknown	ShapiroWilk
Chromium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	22	0.002445	0.0005422	unknown	ShapiroWilk
Chromium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP (nrm)	NaN	23	0.001891	0.001087	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	21	0.002362	0.0004695	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	21	0.002332	0.0005375	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	21	0.001539	0.0006937	unknown	ShapiroWilk
Cobalt (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	23	0.002274	0.0006129	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D1	No	n/a	n/a	EPA 1989	0.05	24	0.4922	0.3155	ln(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D2	No	n/a	n/a	Rosner`s	0.01	24	0.5442	0.2865	ln(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	**MW-D3**	**Yes**	**1.28**	**9/13/2017**	**NP (nrm)**	**NaN**	**24**	**0.5465**	**0.2927**	**unknown**	**ShapiroWilk**
Combined Radium 226 + 228 (pCi/L)	MW-U1 (bg)	No	n/a	n/a	NP (nrm)	NaN	24	0.3801	0.3974	unknown	ShapiroWilk
Fluoride (mg/L)	MW-D1	No	n/a	n/a	EPA 1989	0.05	24	0.08138	0.03006	ln(x)	ShapiroWilk
Fluoride (mg/L)	**MW-D2**	**Yes**	**0.12**	**4/26/2021**	**NP (nrm)**	**NaN**	**24**	**0.06808**	**0.01962**	**unknown**	**ShapiroWilk**
Fluoride (mg/L)	**MW-D3**	**Yes**	**0.06**	**7/17/2017**	**NP (nrm)**	**NaN**	**24**	**0.125**	**0.03079**	**unknown**	**ShapiroWilk**
Fluoride (mg/L)	MW-U1 (bg)	No	n/a	n/a	EPA 1989	0.05	25	0.06864	0.02193	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001203	0.0002831	unknown	ShapiroWilk
Lead (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001126	0.0003763	unknown	ShapiroWilk
Lead (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001234	0.0002625	unknown	ShapiroWilk
Lead (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	18	0.001206	0.0002833	unknown	ShapiroWilk
Lithium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	19	0.002584	0.0008112	unknown	ShapiroWilk
Lithium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	19	0.002484	0.0008355	unknown	ShapiroWilk
Lithium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.002436	0.0008118	unknown	ShapiroWilk
Lithium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	20	0.002457	0.001014	unknown	ShapiroWilk
Mercury (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	16	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	16	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	16	0.000...	0.0000225	unknown	ShapiroWilk
Mercury (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	17	0.000...	0.0000245	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	22	0.01032	0.002982	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	22	0.009195	0.004248	unknown	ShapiroWilk

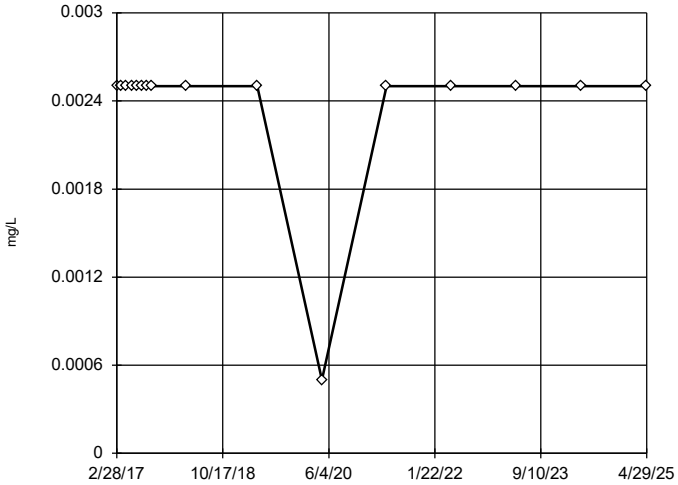
Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 6/7/2025, 2:13 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Molybdenum (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	22	0.004805	0.00304	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	23	0.009396	0.003592	unknown	ShapiroWilk
Selenium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	19	0.001174	0.0003311	unknown	ShapiroWilk
Selenium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	19	0.001209	0.0004813	unknown	ShapiroWilk
Selenium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.001281	0.0006333	unknown	ShapiroWilk
Selenium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP (nrm)	NaN	21	0.00106	0.0003552	unknown	ShapiroWilk
Thallium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	20	0.00048	0.0000...	unknown	ShapiroWilk
Thallium (mg/L)	MW-D2	No	n/a	n/a	NP (nrm)	NaN	20	0.000...	0.0001954	unknown	ShapiroWilk
Thallium (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	20	0.000...	0.0001805	unknown	ShapiroWilk
Thallium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	21	0.000481	0.0000...	unknown	ShapiroWilk

Tukey's Outlier Screening

MW-D1



n = 16

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

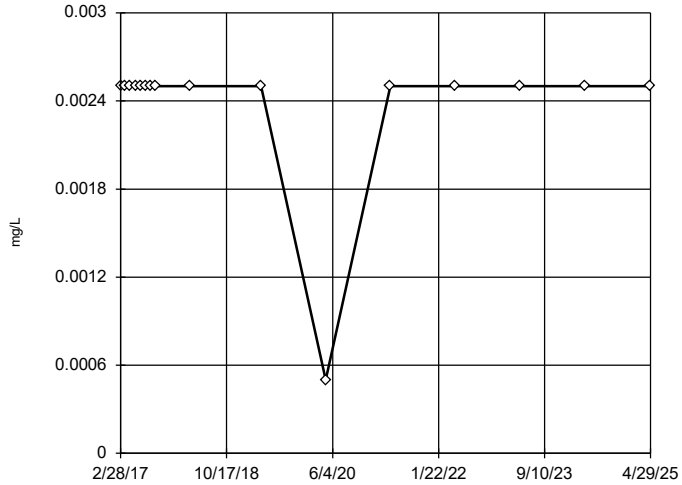
Constituent: Antimony Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 16

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

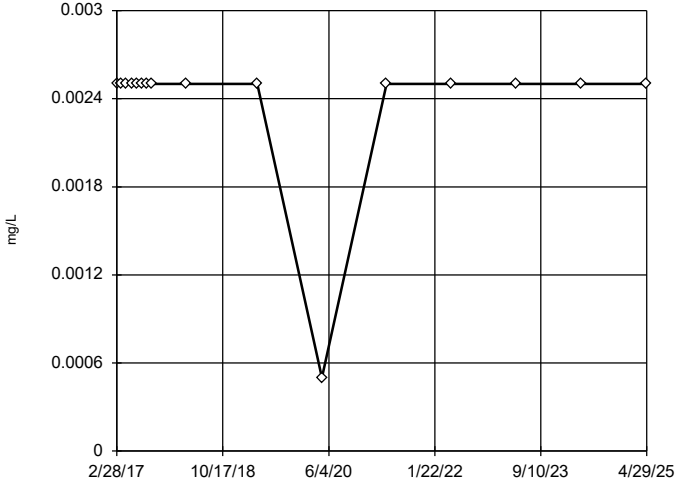
Constituent: Antimony Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 16

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

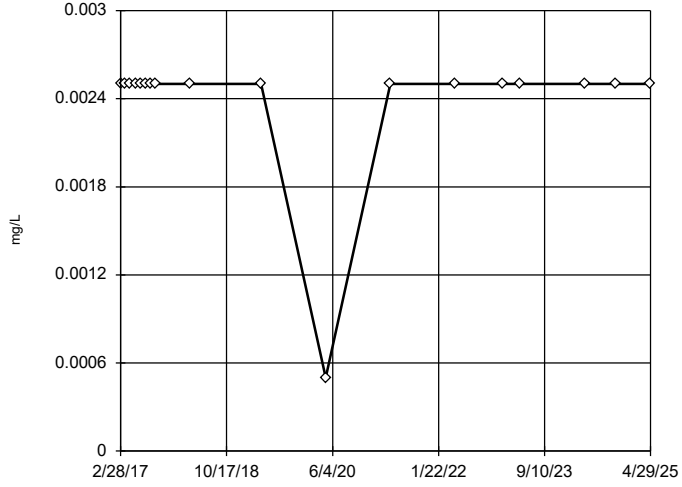
Constituent: Antimony Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 18

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

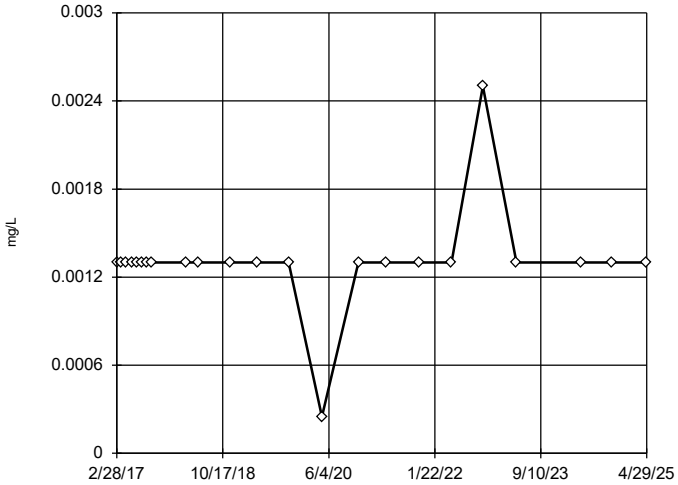
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 23

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

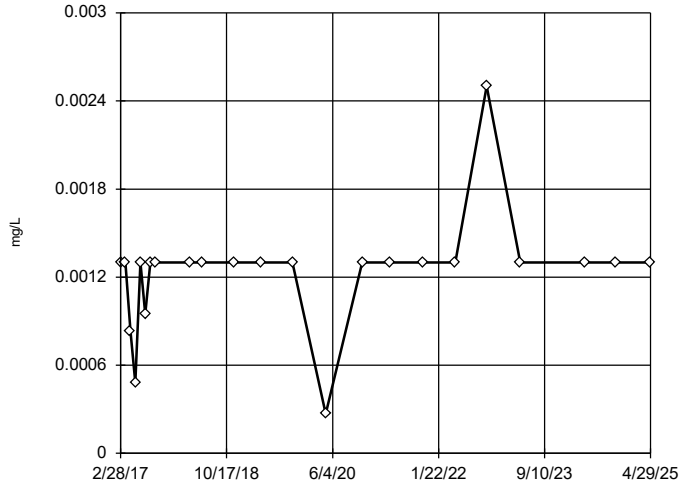
Constituent: Arsenic Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 23

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

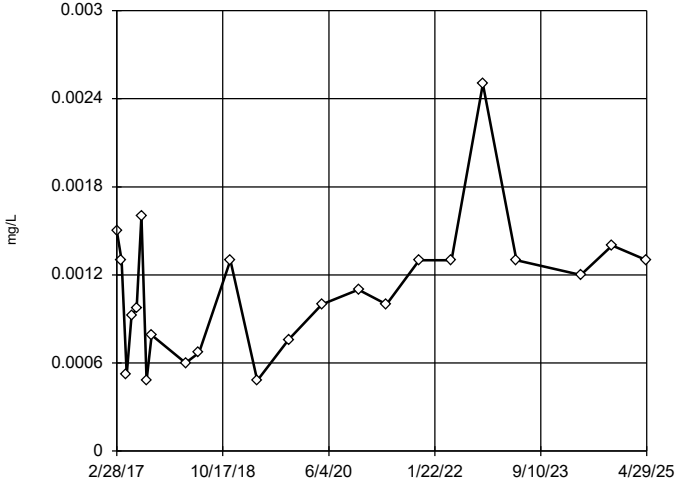
Constituent: Arsenic Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

EPA Screening (suspected outliers for Rosner's Test)

MW-D3



n = 23

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Mean 0.0011, std. dev. 0.0004538, critical Tn 2.624

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9421
Critical = 0.928 (after natural log transformation)
The distribution was found to be log-normal.

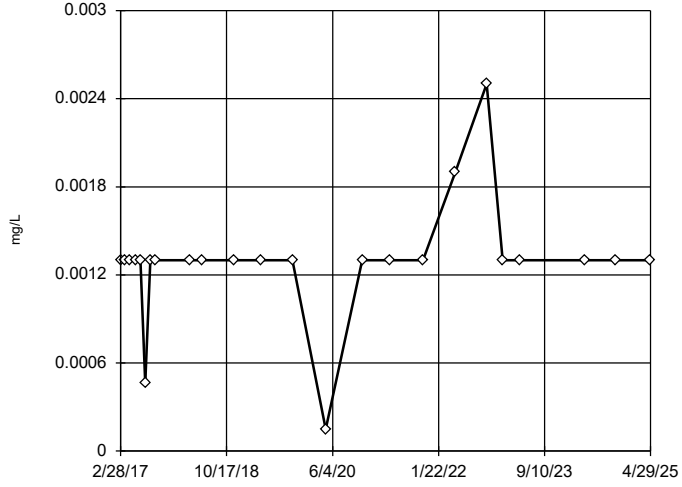
Constituent: Arsenic Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 24

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

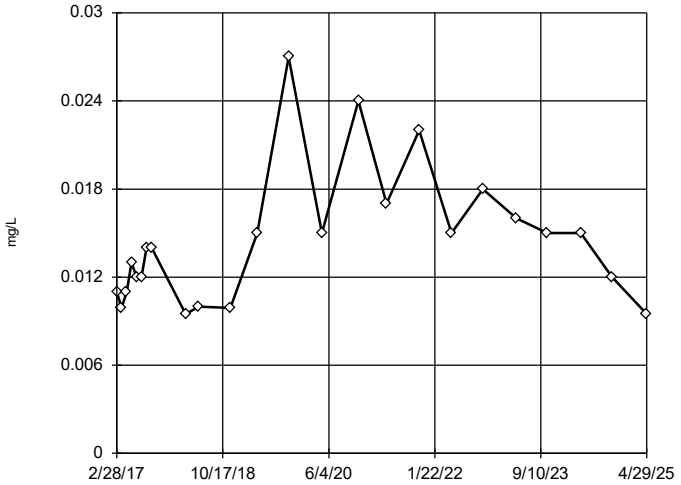
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

EPA Screening (suspected outliers for Rosner's Test)

MW-D1



n = 24

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Mean 0.01445, std. dev. 0.004584, critical Tn 2.644

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9325
Critical = 0.93 (after natural log transformation)
The distribution was found to be log-normal.

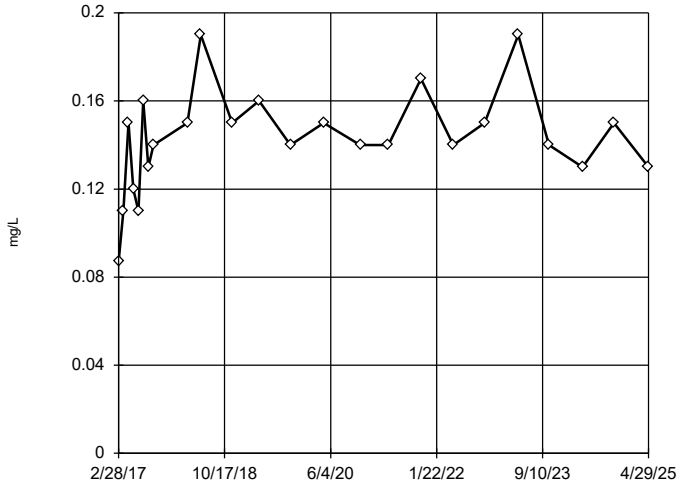
Constituent: Barium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Rosner's Outlier Test

MW-D2



n = 24

No statistical outliers.

k = 1
r = 2.401
Tabulated value = 2.824
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9311
Critical = 0.928
The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3

n = 24

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.306, low cutoff = -0.001582, based on IQR multiplier of 3.

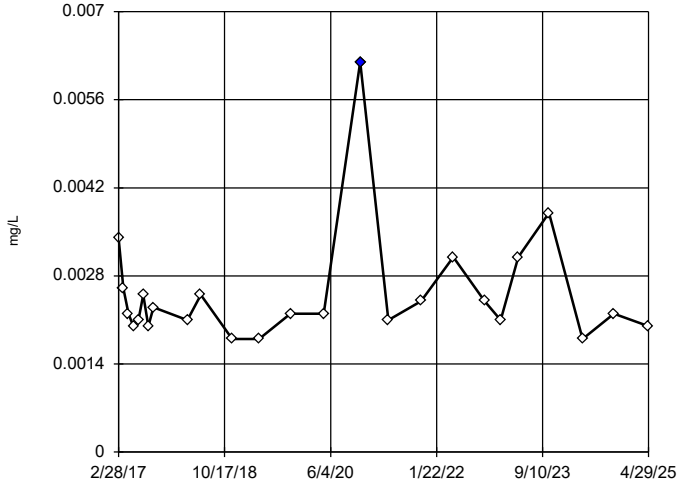
Constituent: Barium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 25

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

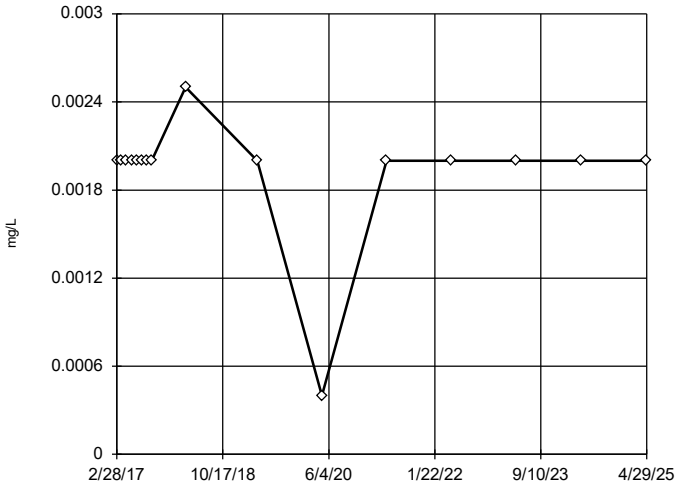
High cutoff = 0.004909, low cutoff = 0.001064, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

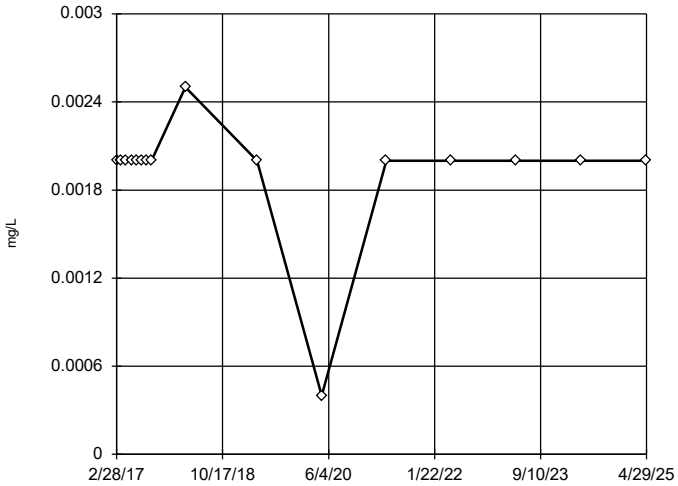
Constituent: Beryllium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

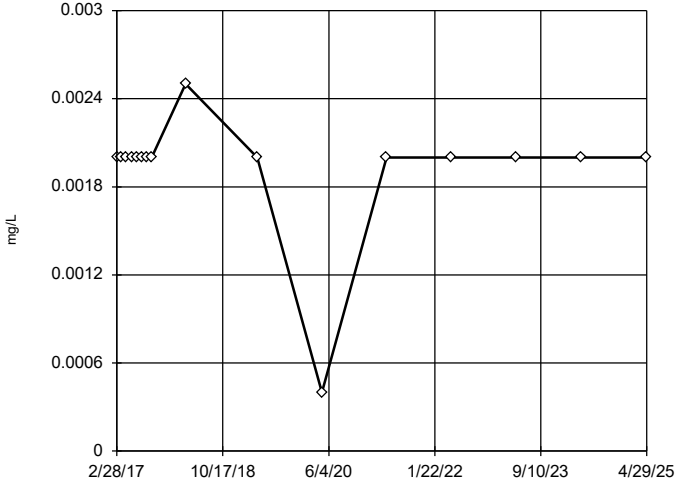
Constituent: Beryllium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

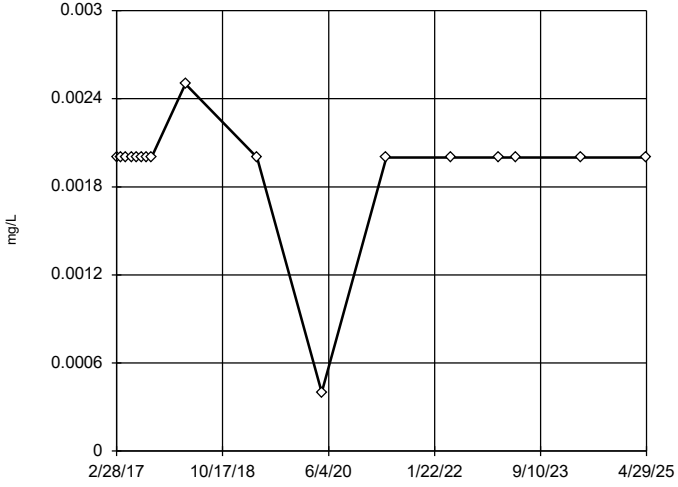
Constituent: Beryllium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube transformed to achieve best W statistic (graph shown in original units).

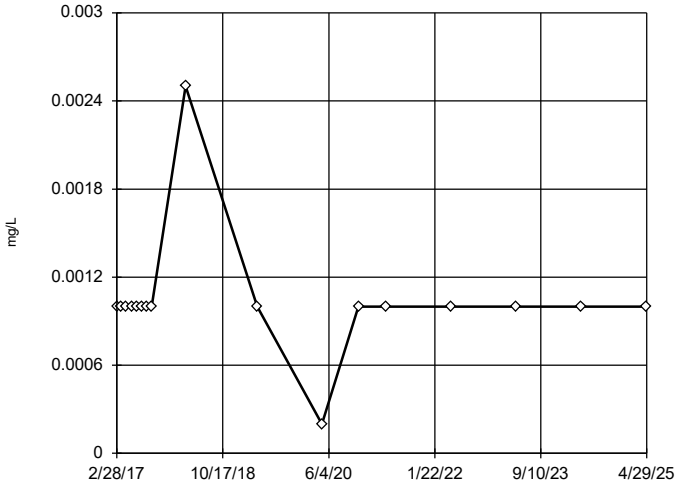
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

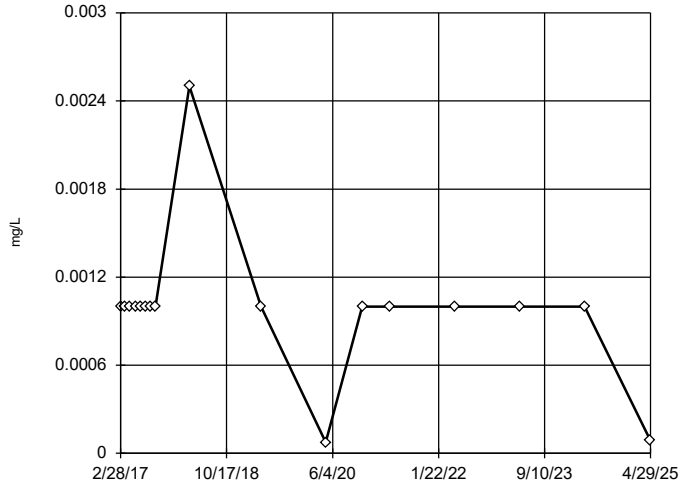
Constituent: Cadmium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

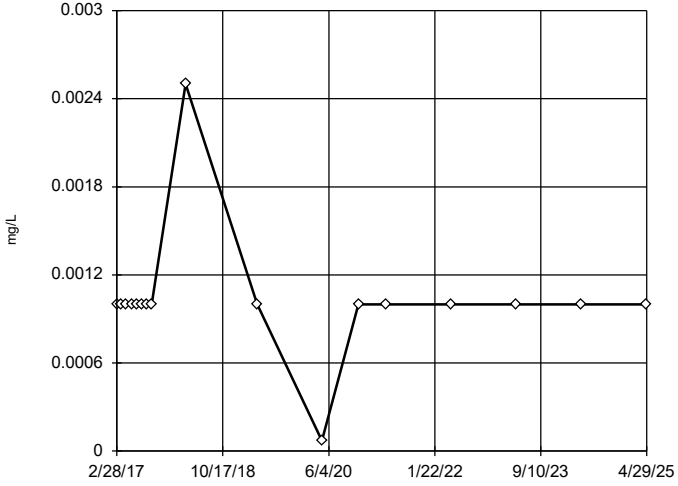
Constituent: Cadmium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

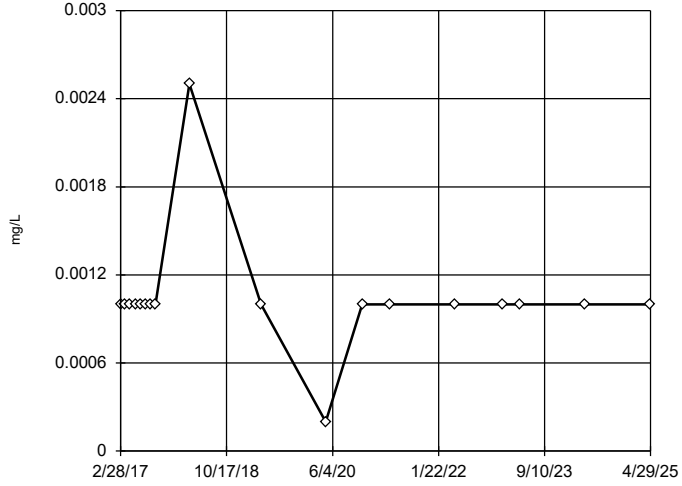
Constituent: Cadmium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 18

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

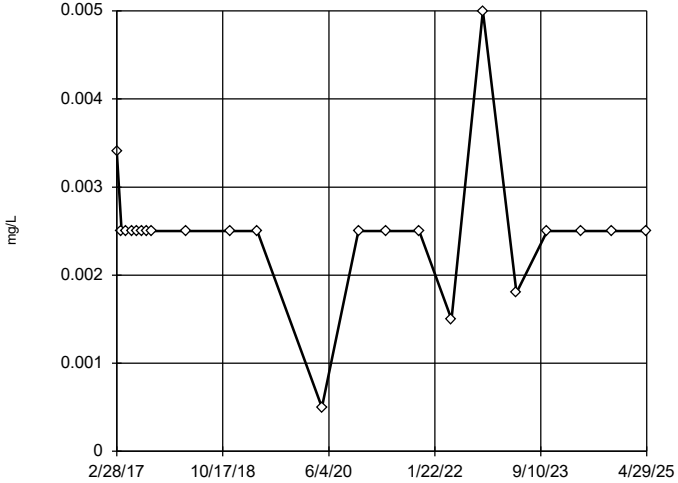
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 6/7/2025 2:10 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 22

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

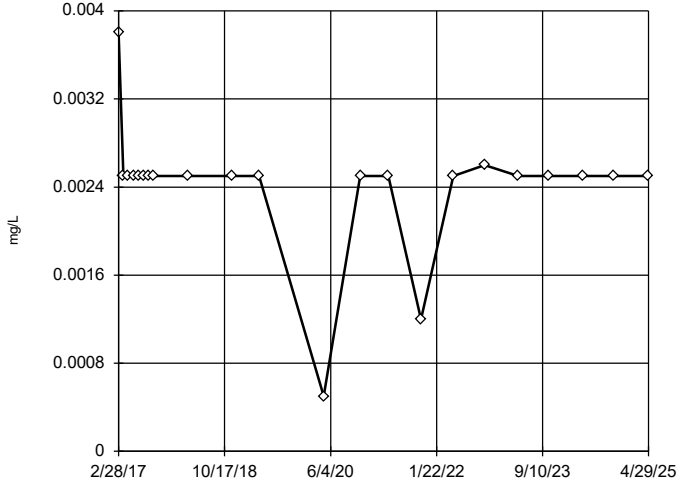
Constituent: Chromium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 22

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

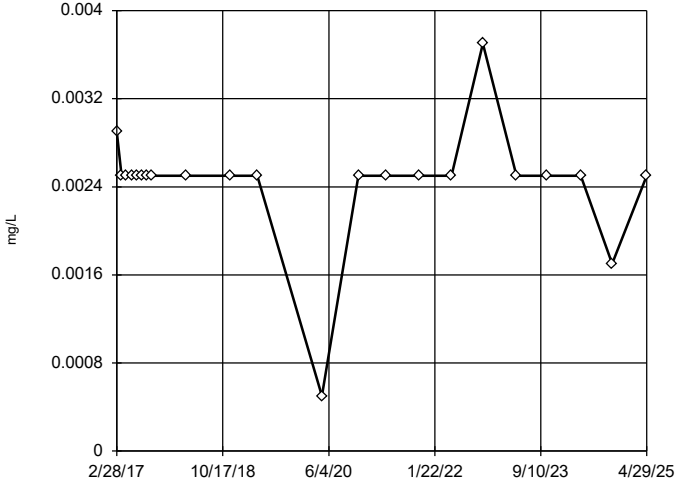
Constituent: Chromium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 22

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

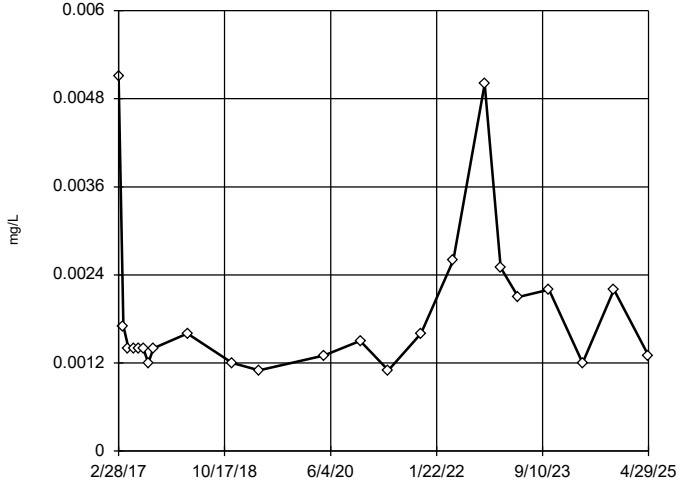
Constituent: Chromium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 23

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

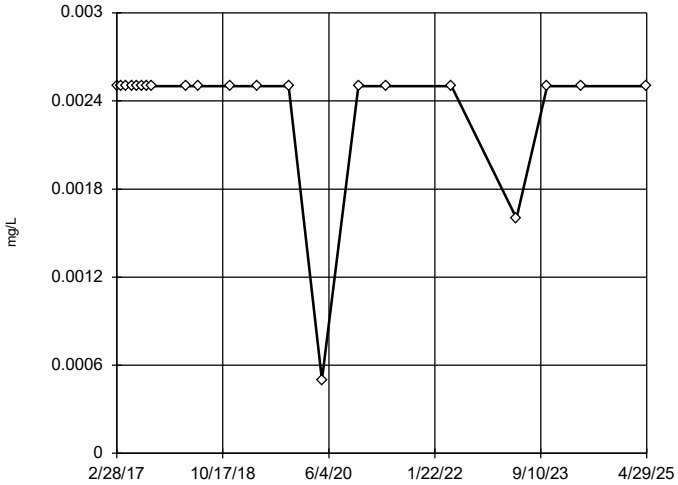
High cutoff = 0.01066, low cutoff = 0.0002682, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 21

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

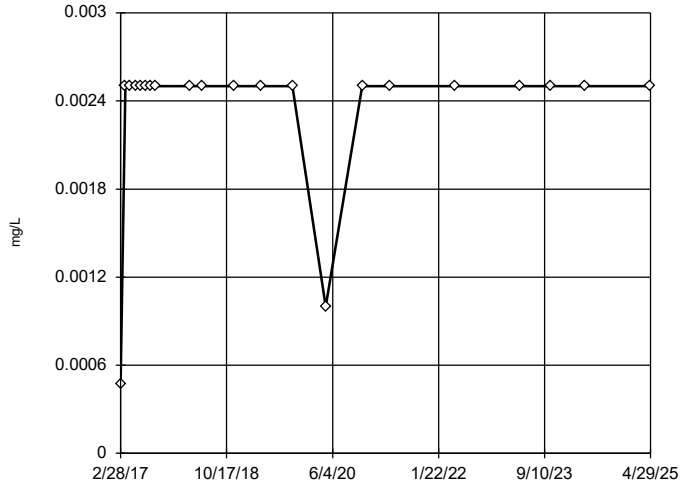
Constituent: Cobalt Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 21

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

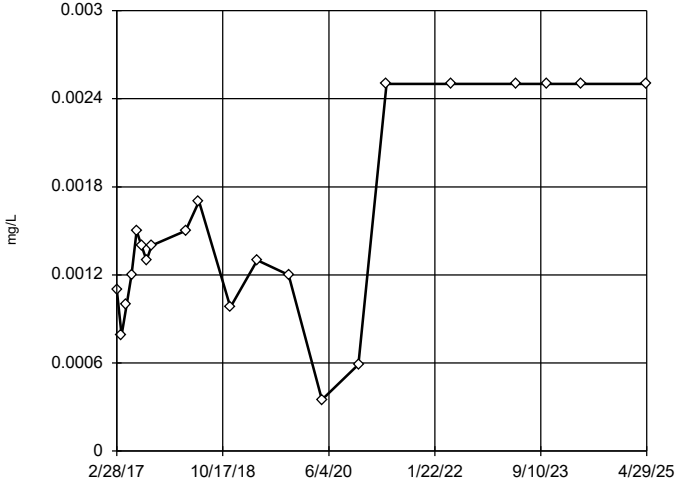
Constituent: Cobalt Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 21

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01349, low cutoff = -3.5e-10, based on IQR multiplier of 3.

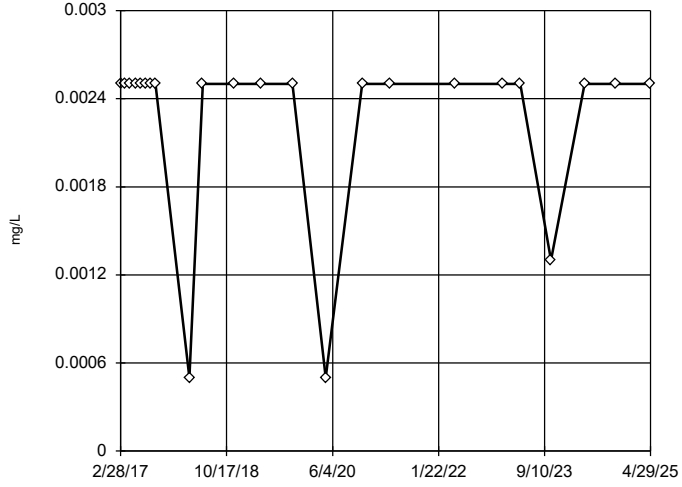
Constituent: Cobalt Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 23

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

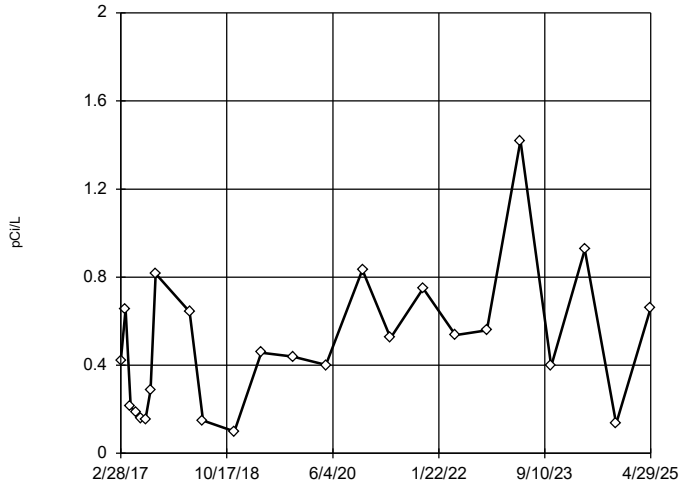
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

EPA Screening (suspected outliers for Rosner's Test)

MW-D1



n = 24

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Mean 0.4922, std. dev. 0.3155, critical Tn 2.644

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9452
Critical = 0.93 (after natural log transformation)
The distribution was found to be log-normal.

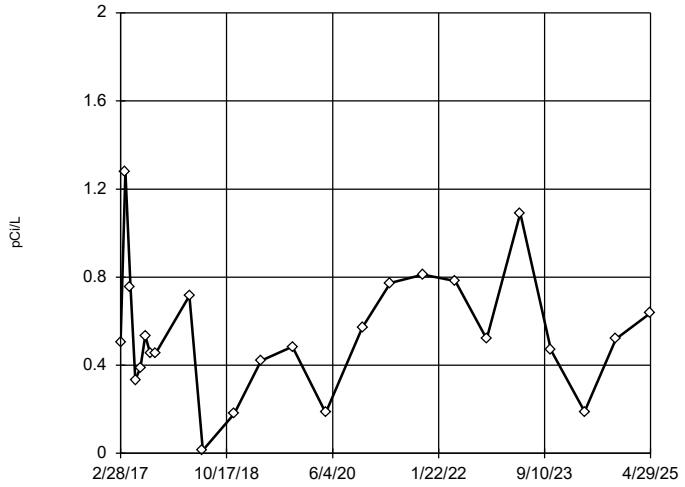
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Rosner's Outlier Test

MW-D2



n = 24

No statistical outliers.

k = 1
r = 2.569
Tabulated value = 2.824
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.974
Critical = 0.928 (after natural log transformation)
The distribution was found to be log-normal.

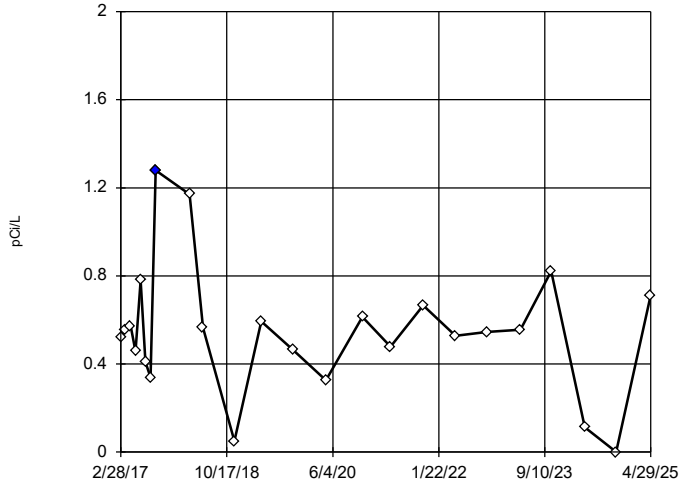
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 24

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 1.261, low cutoff = -0.188, based on IQR multiplier of 3.

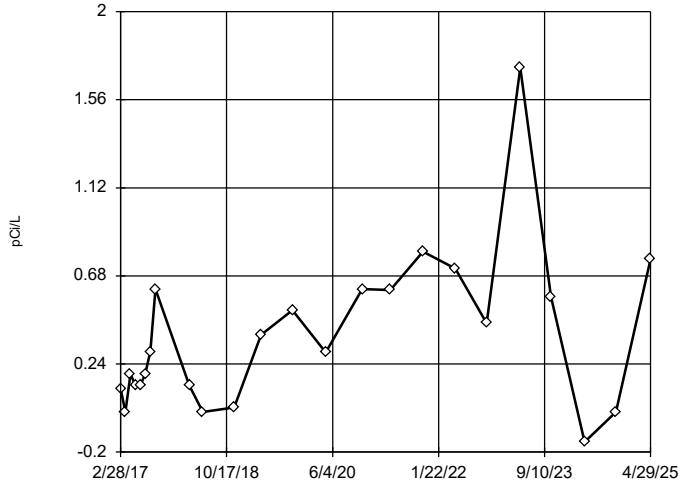
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 24

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

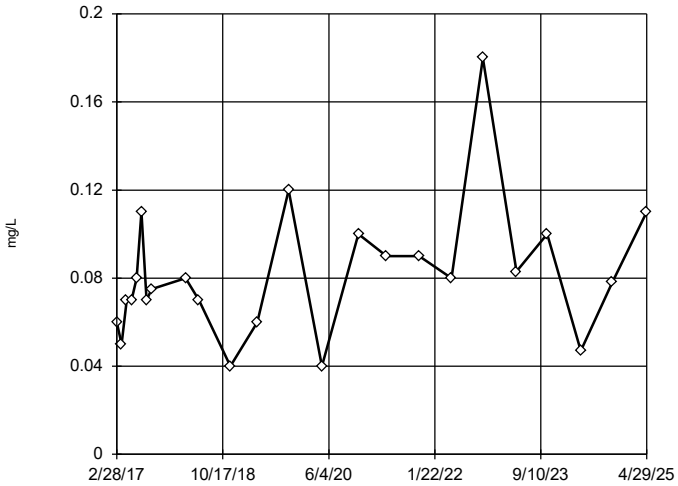
High cutoff = 6.856, low cutoff = -0.1686, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

EPA Screening (suspected outliers for Rosner's Test)

MW-D1



n = 24

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Mean 0.08138, std. dev. 0.03006, critical Tn 2.644

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9675
Critical = 0.93 (after natural log transformation)
The distribution was found to be log-normal.

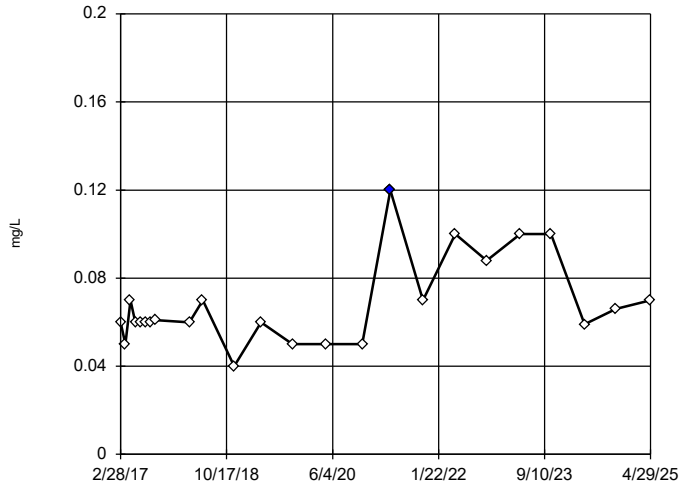
Constituent: Fluoride Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 24

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.114, low cutoff = 0.03654, based on IQR multiplier of 3.

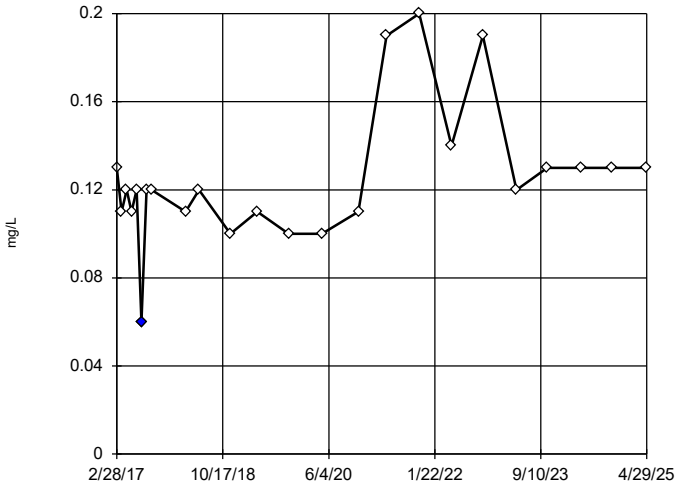
Constituent: Fluoride Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 24

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2042, low cutoff = 0.06249, based on IQR multiplier of 3.

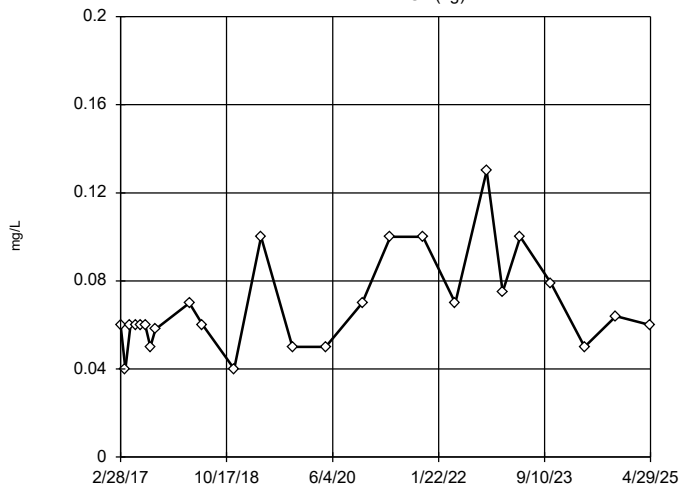
Constituent: Fluoride Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

EPA Screening (suspected outliers for Rosner's Test)

MW-U1 (bg)



n = 25

Rosner's will not be run.
No suspect values identified or unable to establish suspect values.
Mean 0.06864, std. dev. 0.02193, critical Tn 2.663

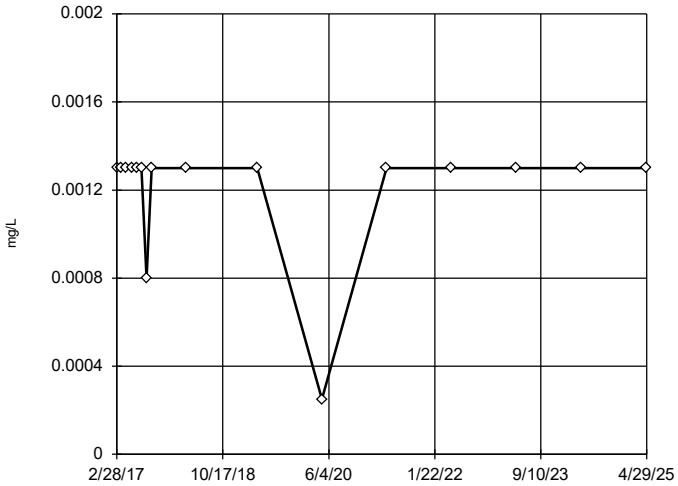
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9352
Critical = 0.931 (after natural log transformation)
The distribution was found to be log-normal.

Constituent: Fluoride Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

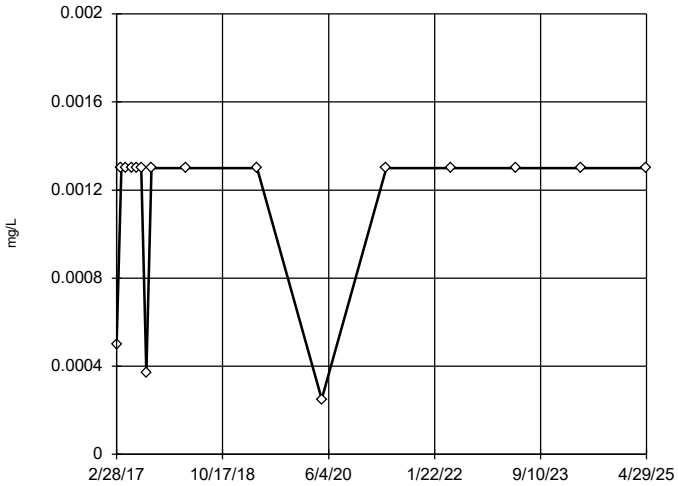
Constituent: Lead Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

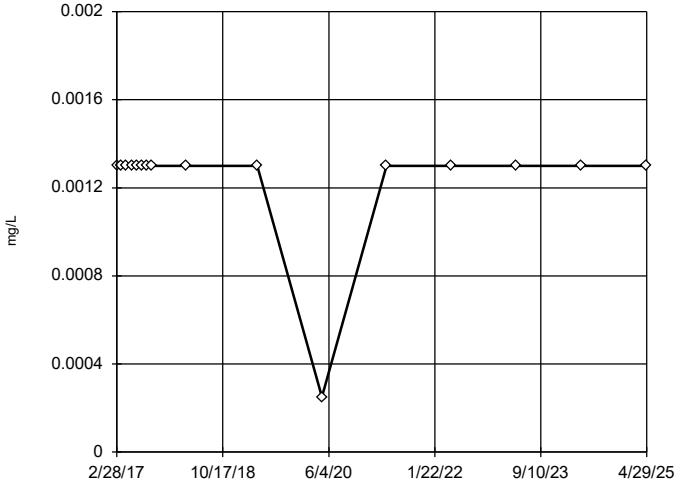
Constituent: Lead Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

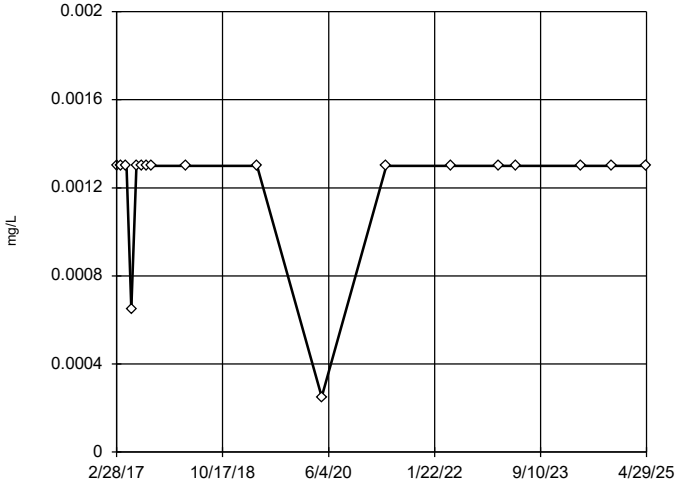
Constituent: Lead Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 18

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

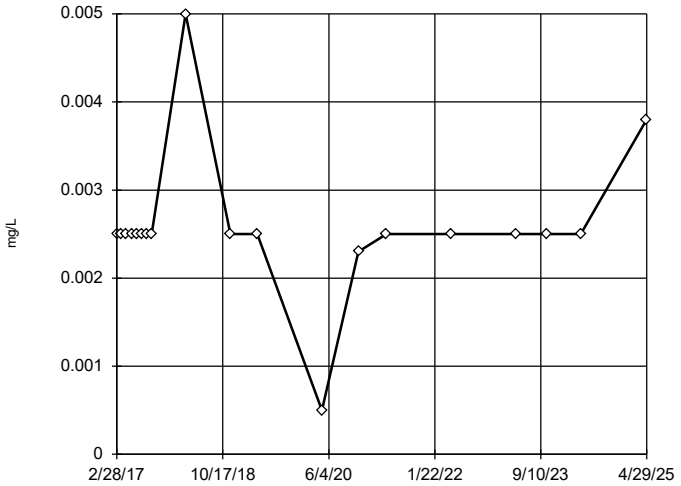
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 19

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

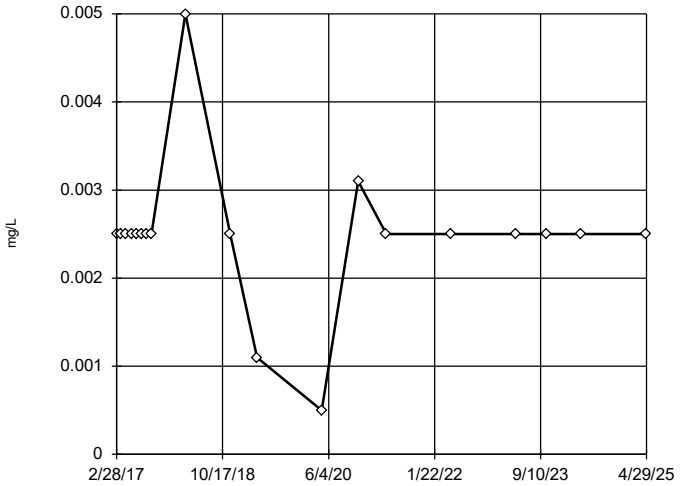
Constituent: Lithium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 19

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

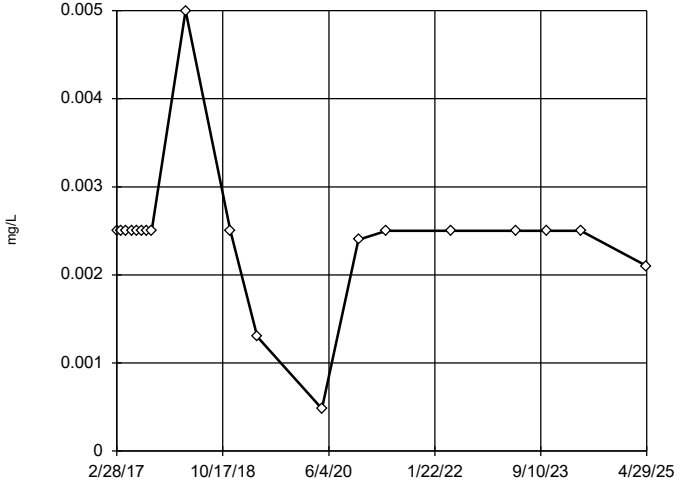
Constituent: Lithium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 19

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

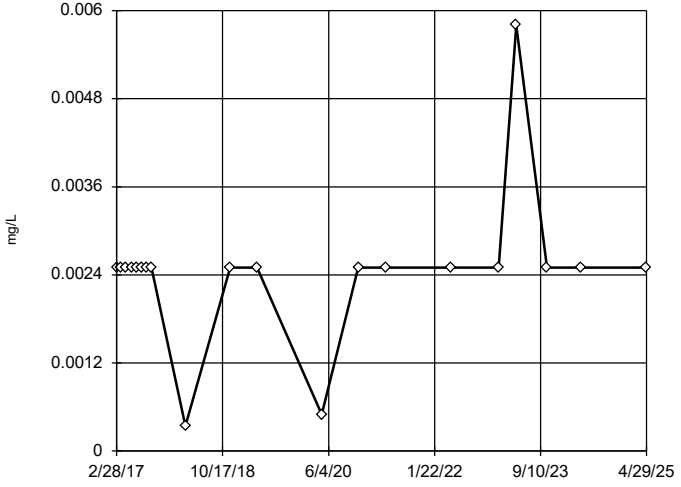
Constituent: Lithium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 20

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

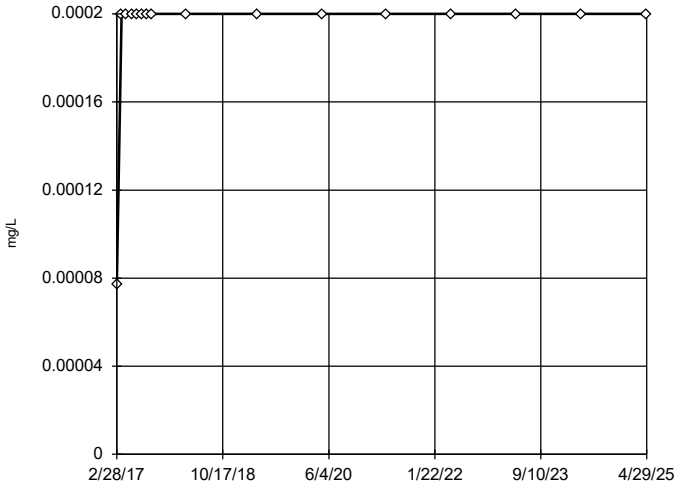
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

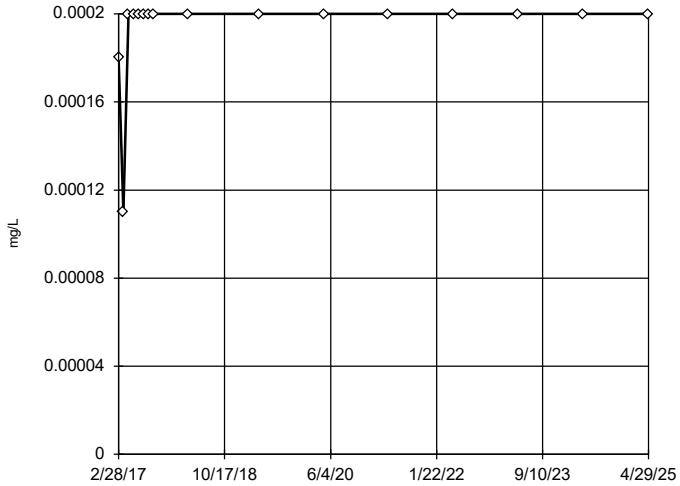
Constituent: Mercury Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

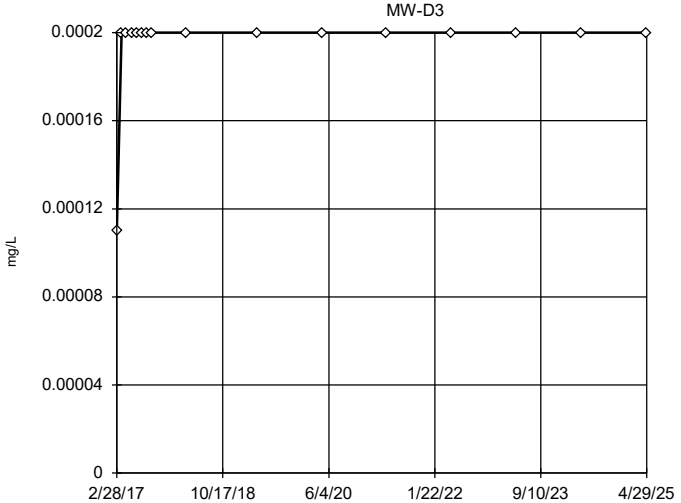
Constituent: Mercury Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 16

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

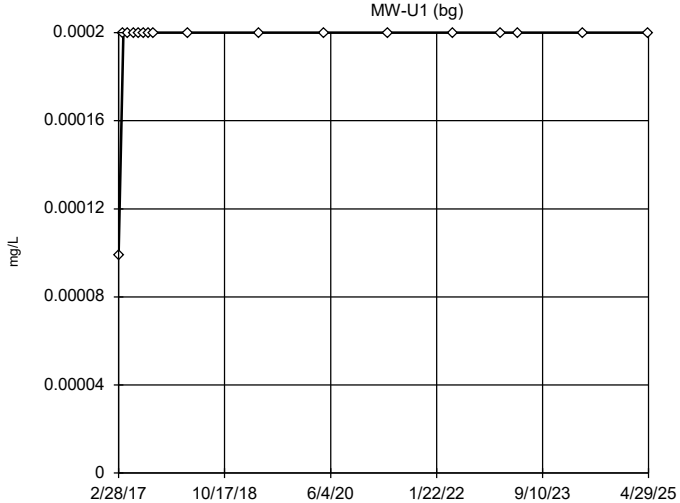
Constituent: Mercury Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

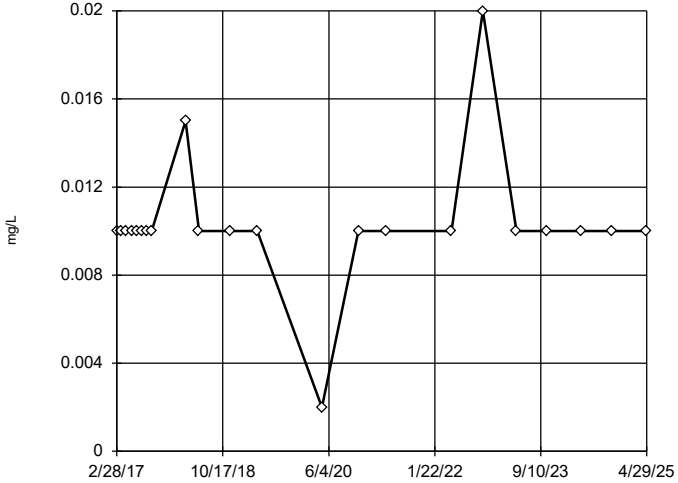
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 22

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

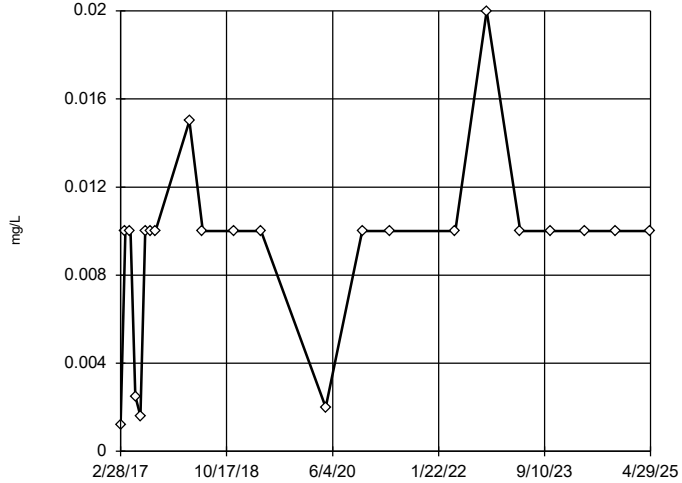
Constituent: Molybdenum Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 22

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

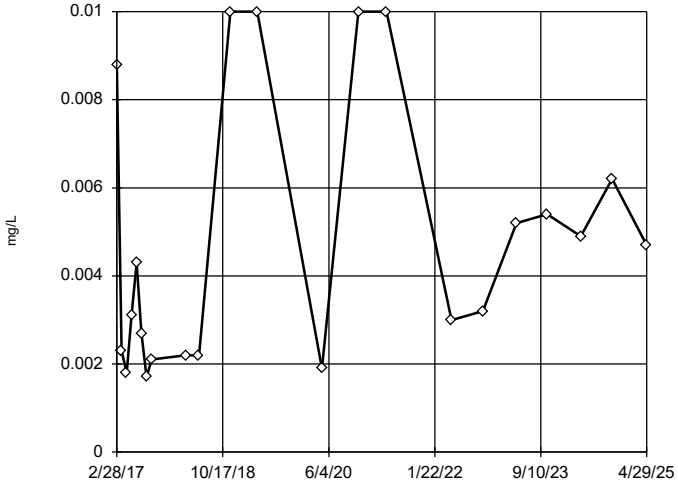
Constituent: Molybdenum Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 22

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2796, low cutoff = 0.00005813, based on IQR multiplier of 3.

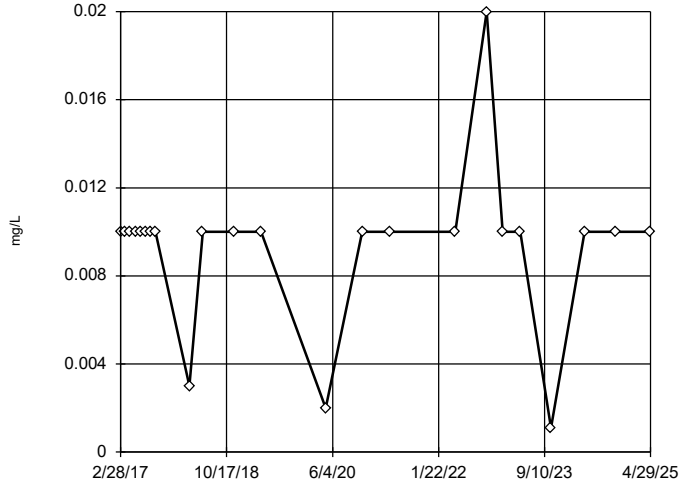
Constituent: Molybdenum Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 23

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

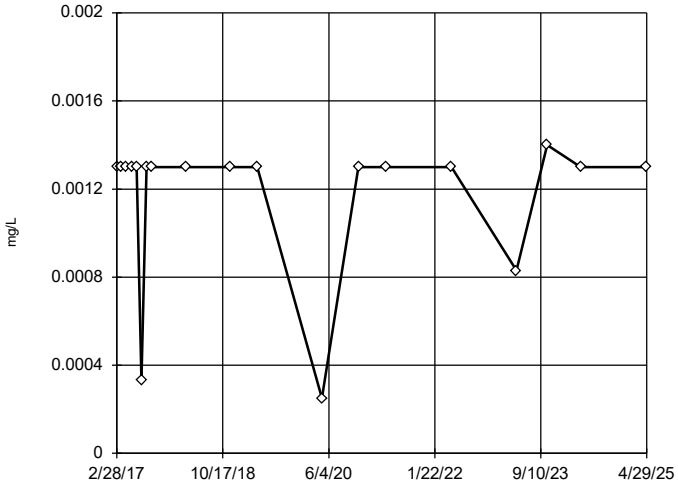
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 19

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

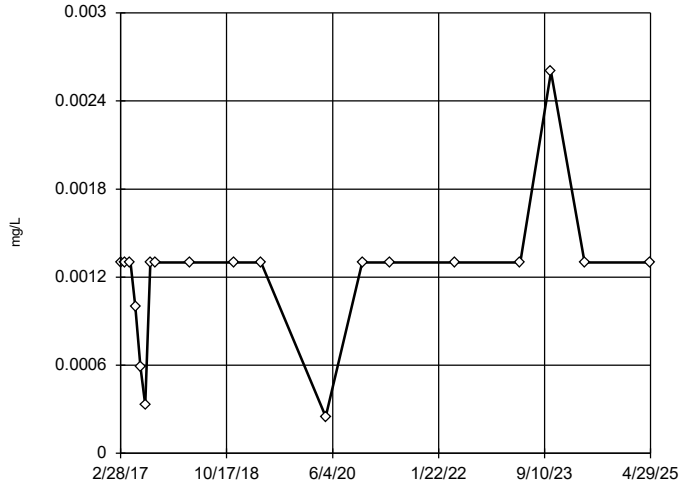
Constituent: Selenium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 19

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

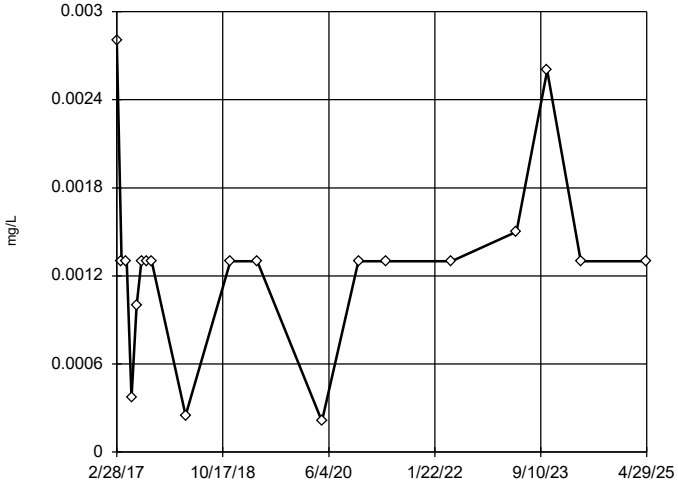
Constituent: Selenium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 19

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

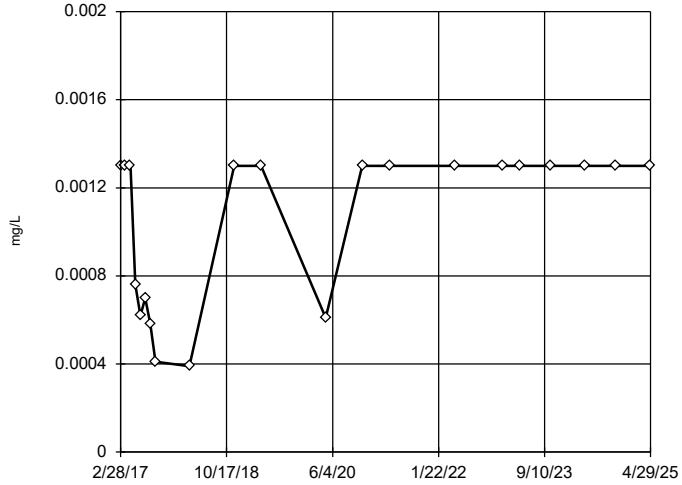
Constituent: Selenium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 21

No outliers found.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

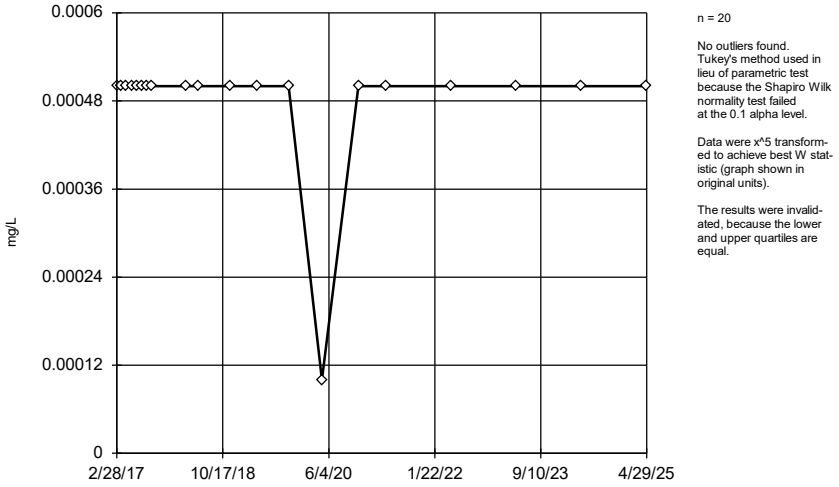
High cutoff = 0.009989, low cutoff = 0.00008573, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 6/7/2025 2:11 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



n = 20

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

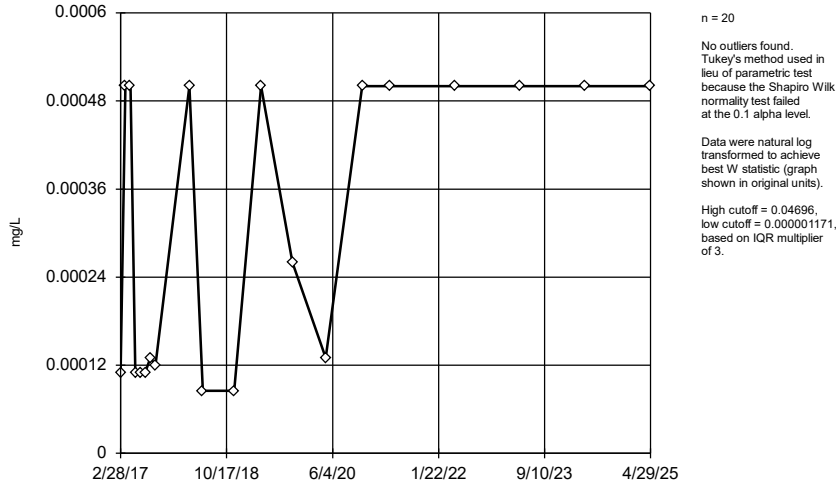
Constituent: Thallium Analysis Run 6/7/2025 2:12 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 20

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04696, low cutoff = 0.000001171, based on IQR multiplier of 3.

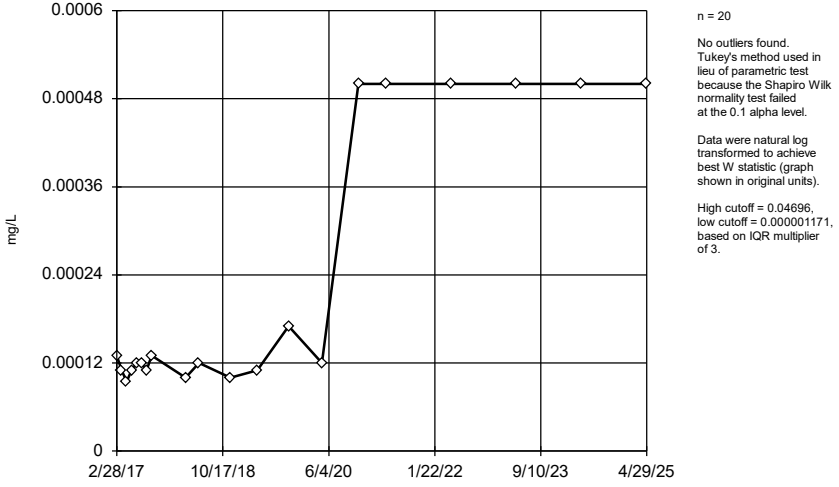
Constituent: Thallium Analysis Run 6/7/2025 2:12 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 20

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04696, low cutoff = 0.000001171, based on IQR multiplier of 3.

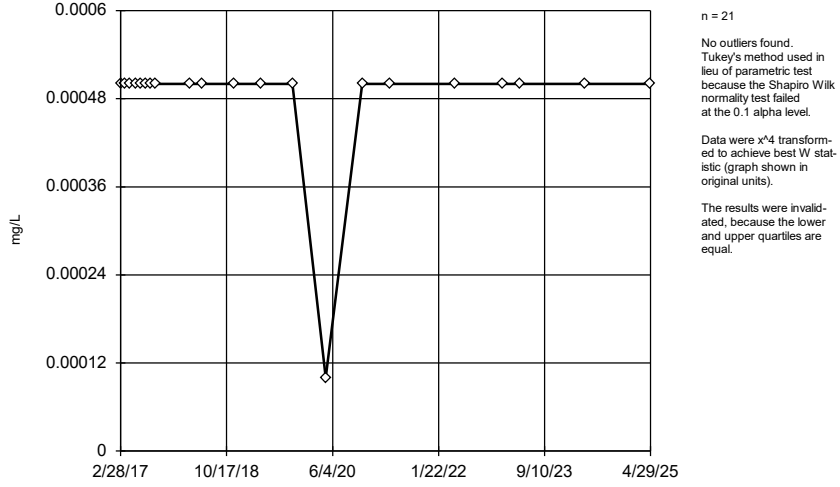
Constituent: Thallium Analysis Run 6/7/2025 2:12 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 21

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 6/7/2025 2:12 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tolerance Limit

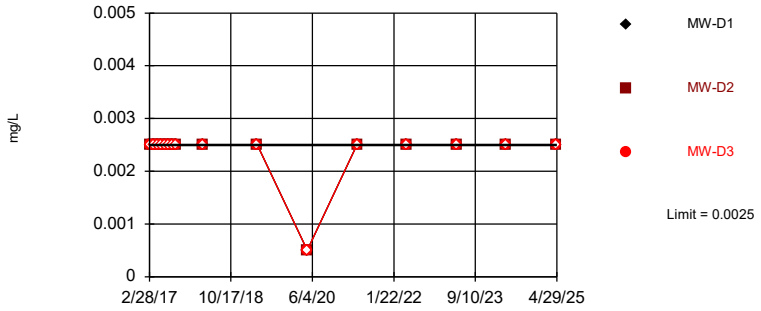
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 6/7/2025, 2:14 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	MW-D1	0.0025	4/29/2025	<0.0025	No	18	100	n/a	0.1553	NP Inter(NDs)
Antimony (mg/L)	MW-D2	0.0025	4/29/2025	<0.0025	No	18	100	n/a	0.1553	NP Inter(NDs)
Antimony (mg/L)	MW-D3	0.0025	4/29/2025	<0.0025	No	18	100	n/a	0.1553	NP Inter(NDs)
Arsenic (mg/L)	MW-D1	0.0025	4/29/2025	<0.0013	No	24	83.33	n/a	0.1087	NP Inter(NDs)
Arsenic (mg/L)	MW-D2	0.0025	4/29/2025	<0.0013	No	24	83.33	n/a	0.1087	NP Inter(NDs)
Arsenic (mg/L)	MW-D3	0.0025	4/29/2025	<0.0013	No	24	83.33	n/a	0.1087	NP Inter(NDs)
Barium (mg/L)	**MW-D1**	**0.0062**	**4/29/2025**	**0.0095**	**Yes**	**25**	**0**	**n/a**	**0.1026**	**NP Inter(normal...**
Barium (mg/L)	**MW-D2**	**0.0062**	**4/29/2025**	**0.13**	**Yes**	**25**	**0**	**n/a**	**0.1026**	**NP Inter(normal...**
Barium (mg/L)	**MW-D3**	**0.0062**	**4/29/2025**	**0.03**	**Yes**	**25**	**0**	**n/a**	**0.1026**	**NP Inter(normal...**
Beryllium (mg/L)	MW-D1	0.002	4/29/2025	<0.002	No	17	100	n/a	0.1651	NP Inter(NDs)
Beryllium (mg/L)	MW-D2	0.002	4/29/2025	<0.002	No	17	100	n/a	0.1651	NP Inter(NDs)
Beryllium (mg/L)	MW-D3	0.002	4/29/2025	<0.002	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D1	0.001	4/29/2025	<0.001	No	18	100	n/a	0.1553	NP Inter(NDs)
Cadmium (mg/L)	MW-D2	0.001	4/29/2025	0.000085	No	18	100	n/a	0.1553	NP Inter(NDs)
Cadmium (mg/L)	MW-D3	0.001	4/29/2025	<0.001	No	18	100	n/a	0.1553	NP Inter(NDs)
Chromium (mg/L)	MW-D1	0.0051	4/29/2025	<0.0025	No	23	8.696	n/a	0.1152	NP Inter(normal...
Chromium (mg/L)	MW-D2	0.0051	4/29/2025	<0.0025	No	23	8.696	n/a	0.1152	NP Inter(normal...
Chromium (mg/L)	MW-D3	0.0051	4/29/2025	<0.0025	No	23	8.696	n/a	0.1152	NP Inter(normal...
Cobalt (mg/L)	MW-D1	0.0025	4/29/2025	<0.0025	No	23	95.65	n/a	0.1152	NP Inter(NDs)
Cobalt (mg/L)	MW-D2	0.0025	4/29/2025	<0.0025	No	23	95.65	n/a	0.1152	NP Inter(NDs)
Cobalt (mg/L)	MW-D3	0.0025	4/29/2025	<0.0025	No	23	95.65	n/a	0.1152	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	MW-D1	3.305	4/29/2025	<0.66	No	24	33.33	x^(1/3)	0.01695	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D2	3.305	4/29/2025	<0.637	No	24	33.33	x^(1/3)	0.01695	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D3	3.305	4/29/2025	0.712	No	24	33.33	x^(1/3)	0.01695	Inter
Fluoride (mg/L)	MW-D1	0.1226	4/29/2025	0.11	No	25	12	sqrt(x)	0.01695	Inter
Fluoride (mg/L)	MW-D2	0.1226	4/29/2025	0.07	No	25	12	sqrt(x)	0.01695	Inter
Fluoride (mg/L)	**MW-D3**	**0.1226**	**4/29/2025**	**0.13**	**Yes**	**25**	**12**	**sqrt(x)**	**0.01695**	**Inter**
Lead (mg/L)	MW-D1	0.0013	4/29/2025	<0.0013	No	18	94.44	n/a	0.1553	NP Inter(NDs)
Lead (mg/L)	MW-D2	0.0013	4/29/2025	<0.0013	No	18	94.44	n/a	0.1553	NP Inter(NDs)
Lead (mg/L)	MW-D3	0.0013	4/29/2025	<0.0013	No	18	94.44	n/a	0.1553	NP Inter(NDs)
Lithium (mg/L)	MW-D1	0.0058	4/29/2025	0.0038	No	20	90	n/a	0.1375	NP Inter(NDs)
Lithium (mg/L)	MW-D2	0.0058	4/29/2025	<0.0025	No	20	90	n/a	0.1375	NP Inter(NDs)
Lithium (mg/L)	MW-D3	0.0058	4/29/2025	0.0021	No	20	90	n/a	0.1375	NP Inter(NDs)
Mercury (mg/L)	MW-D1	0.0002	4/29/2025	<0.0002	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Mercury (mg/L)	MW-D2	0.0002	4/29/2025	<0.0002	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Mercury (mg/L)	MW-D3	0.0002	4/29/2025	<0.0002	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Molybdenum (mg/L)	MW-D1	0.02	4/29/2025	<0.01	No	23	95.65	n/a	0.1152	NP Inter(NDs)
Molybdenum (mg/L)	MW-D2	0.02	4/29/2025	<0.01	No	23	95.65	n/a	0.1152	NP Inter(NDs)
Molybdenum (mg/L)	MW-D3	0.02	4/29/2025	0.0047	No	23	95.65	n/a	0.1152	NP Inter(NDs)
Selenium (mg/L)	MW-D1	0.0013	4/29/2025	<0.0013	No	21	66.67	n/a	0.1296	NP Inter(normal...
Selenium (mg/L)	MW-D2	0.0013	4/29/2025	<0.0013	No	21	66.67	n/a	0.1296	NP Inter(normal...
Selenium (mg/L)	MW-D3	0.0013	4/29/2025	<0.0013	No	21	66.67	n/a	0.1296	NP Inter(normal...
Thallium (mg/L)	MW-D1	0.0005	4/29/2025	<0.0005	No	21	100	n/a	0.1296	NP Inter(NDs)
Thallium (mg/L)	MW-D2	0.0005	4/29/2025	<0.0005	No	21	100	n/a	0.1296	NP Inter(NDs)
Thallium (mg/L)	MW-D3	0.0005	4/29/2025	<0.0005	No	21	100	n/a	0.1296	NP Inter(NDs)

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 77.54% coverage at alpha=0.01; 84.57% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3972.

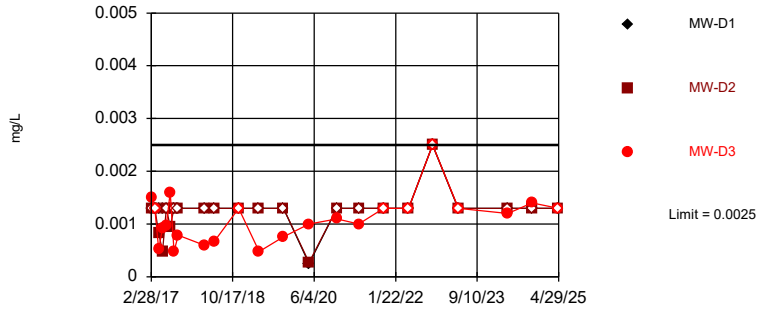
Constituent: Antimony Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 24 background values. 83.33% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Arsenic Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

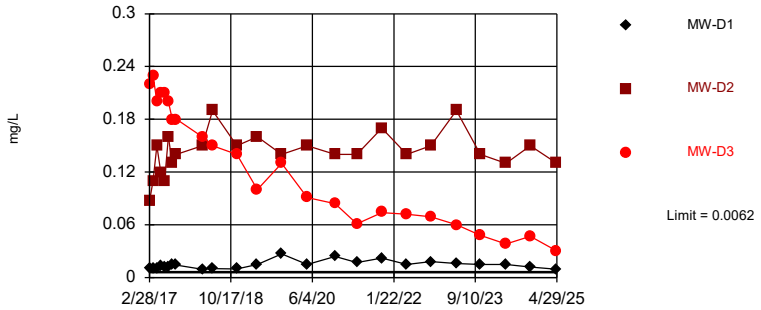
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Exceeds Limit: MW-D1, MW-D2, MW-D3

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 25 background values. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

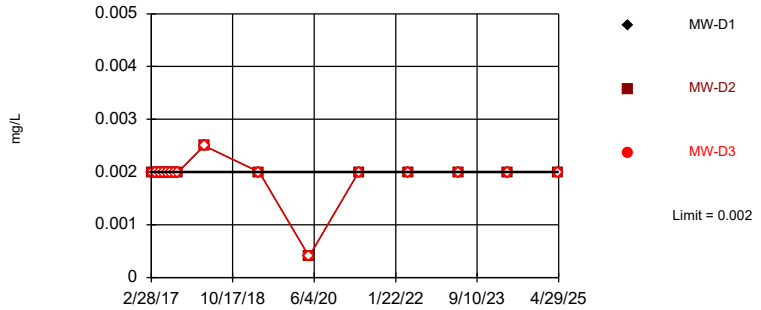
Constituent: Barium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Beryllium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

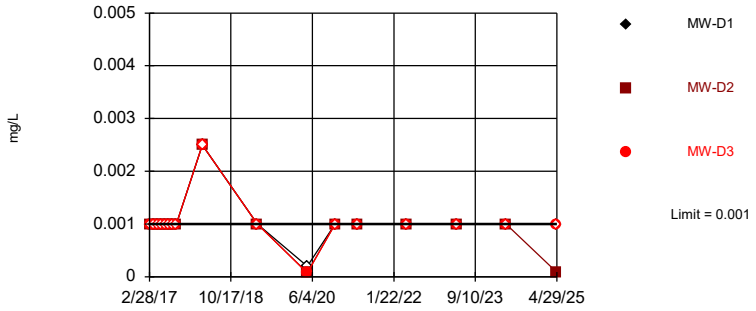
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 77.54% coverage at alpha=0.01; 84.57% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3972.

Constituent: Cadmium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

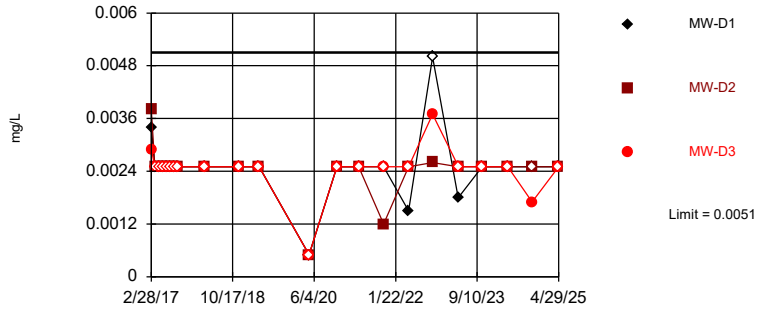
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 23 background values. 8.696% NDs. 81.84% coverage at alpha=0.01; 87.7% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3074.

Constituent: Chromium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

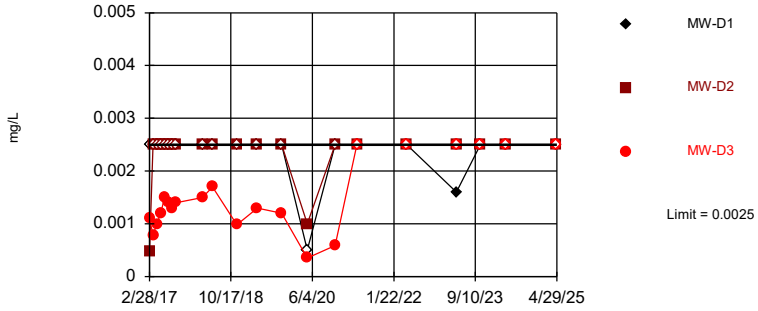
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 23 background values. 95.65% NDs. 81.84% coverage at alpha=0.01; 87.7% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3074.

Constituent: Cobalt Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

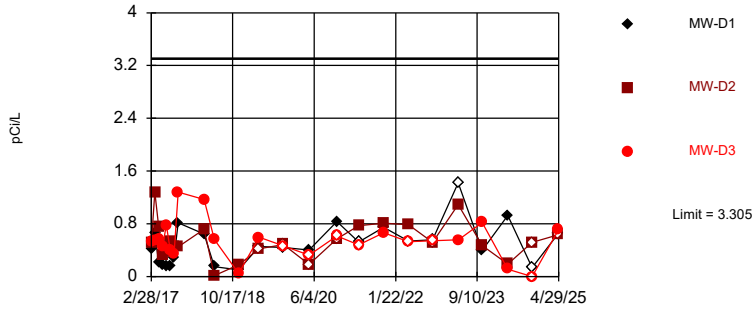
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Parametric



95% coverage. Most recent observation is compared with limit. Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.3293, Std. Dev.=0.5025, n=24, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8911, critical = 0.884. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025

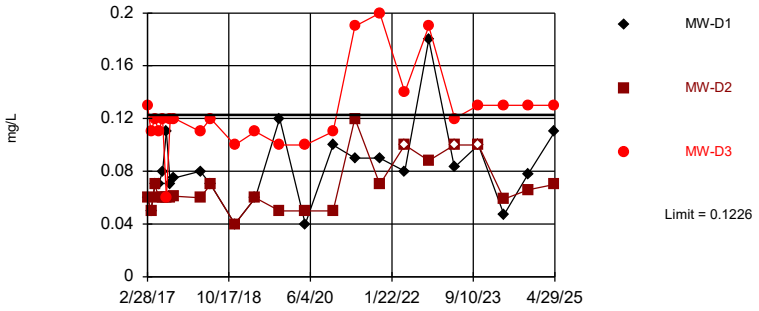
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-D3

Tolerance Limit

Interwell Parametric



95% coverage. Most recent observation is compared with limit. Background Data Summary (based on square root transformation): Mean=0.2591, Std. Dev.=0.03976, n=25, 12% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9091, critical = 0.888. Report alpha = 0.05.

Constituent: Fluoride Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

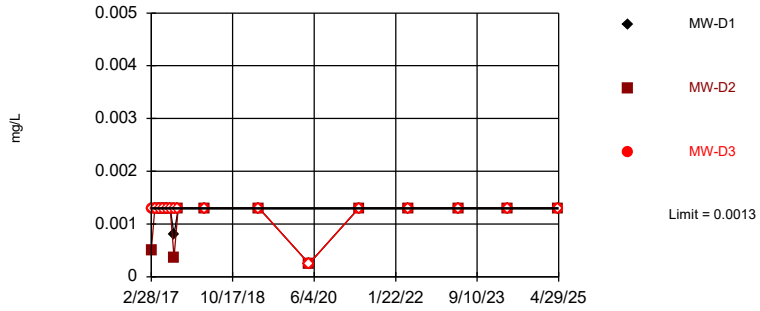
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 18 background values. 94.44% NDs. 77.54% coverage at alpha=0.01; 84.57% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3972.

Constituent: Lead Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

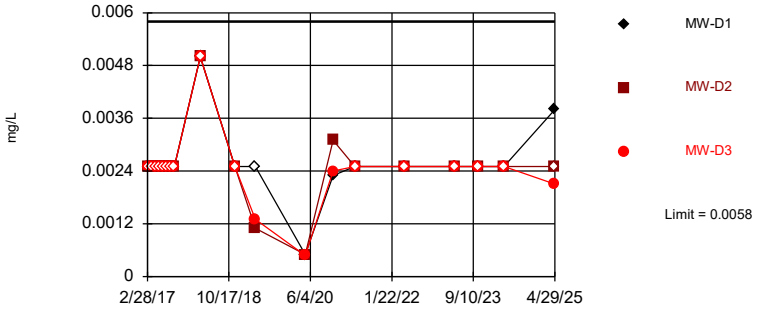
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 20 background values. 90% NDs. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Lithium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

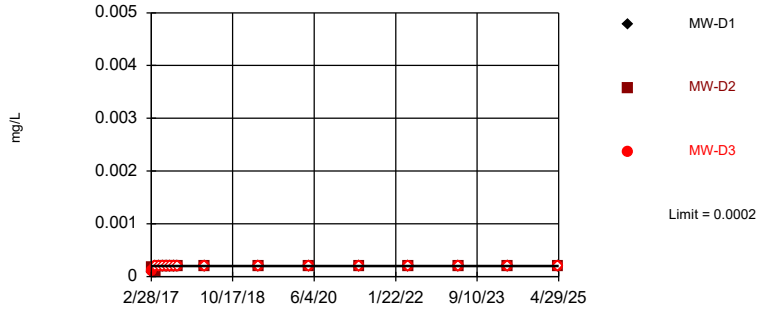
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 17 background values. 94.12% NDs. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

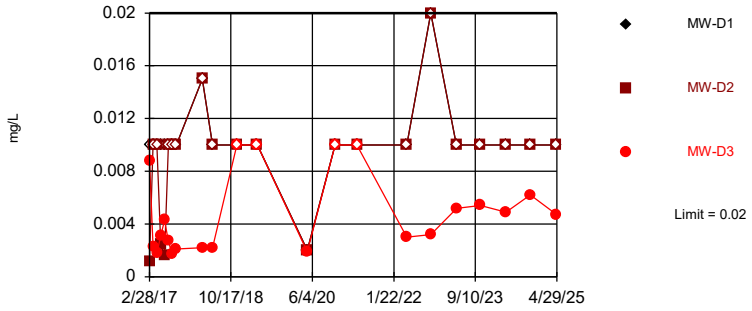
Constituent: Mercury Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 23 background values. 95.65% NDs. 81.84% coverage at alpha=0.01; 87.7% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3074.

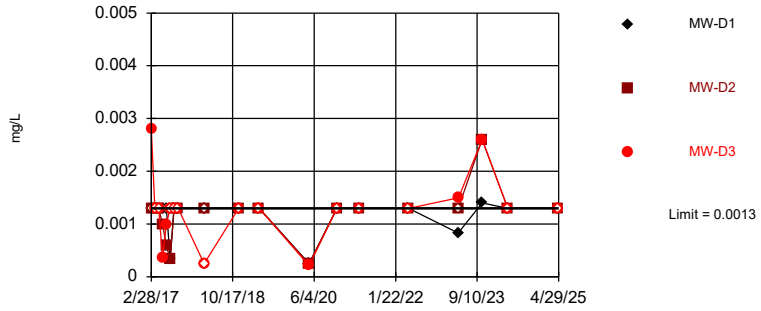
Constituent: Molybdenum Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 21 background values. 66.67% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

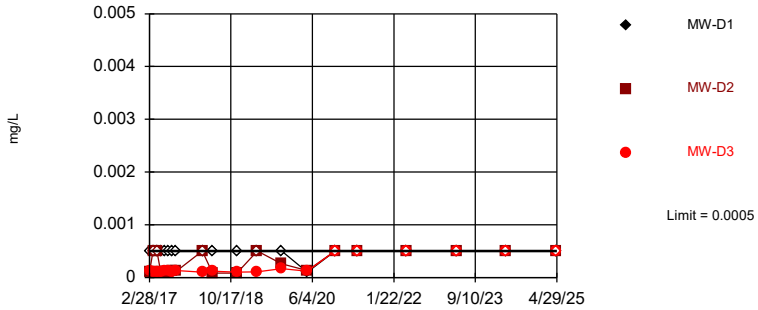
Constituent: Selenium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Thallium Analysis Run 6/7/2025 2:13 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

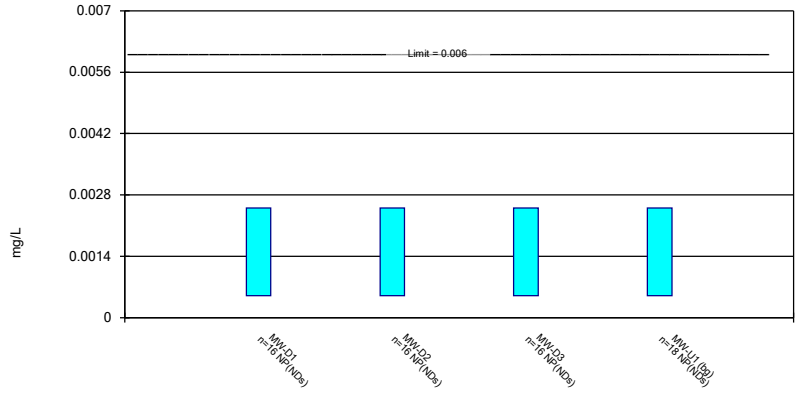
Confidence Interval

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 6/7/2025, 2:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-D1	0.0025	0.0005	0.006	No	16	0.002375	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-D2	0.0025	0.0005	0.006	No	16	0.002375	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-D3	0.0025	0.0005	0.006	No	16	0.002375	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-U1 (bg)	0.0025	0.0005	0.006	No	18	0.002389	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D1	0.0025	0.00025	0.01	No	23	0.001307	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D2	0.0013	0.00095	0.01	No	23	0.001236	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D3	0.001053	0.0007081	0.01	No	23	0.0011	30.43	Kapla...	No	0.01	Param.
Arsenic (mg/L)	MW-U1 (bg)	0.0019	0.0013	0.01	No	24	0.001292	83.33	Kapla...	No	0.01	NP (NDs)
Barium (mg/L)	MW-D1	0.0164	0.01204	2	No	24	0.01445	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-D2	0.1547	0.1309	2	No	24	0.1428	0	None	No	0.01	Param.
Barium (mg/L)	MW-D3	0.1585	0.09021	2	No	24	0.1243	0	None	No	0.01	Param.
Barium (mg/L)	MW-U1 (bg)	0.0026	0.002	2	No	25	0.002516	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	MW-D1	0.0025	0.0004	0.004	No	16	0.001931	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-D2	0.0025	0.0004	0.004	No	16	0.001931	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-D3	0.0025	0.0004	0.004	No	16	0.001931	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-U1 (bg)	0.0025	0.0004	0.004	No	17	0.001935	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D1	0.0025	0.0002	0.005	No	17	0.001041	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D2	0.0025	0.000085	0.005	No	17	0.00098	88.24	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D3	0.0025	0.000071	0.005	No	17	0.001034	94.12	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-U1 (bg)	0.0025	0.0002	0.005	No	18	0.001039	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D1	0.0034	0.0018	0.1	No	22	0.002486	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D2	0.0026	0.0012	0.1	No	22	0.002414	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D3	0.0029	0.0017	0.1	No	22	0.002445	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-U1 (bg)	0.0022	0.0013	0.1	No	23	0.001891	8.696	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-D1	0.0025	0.0016	0.006	No	21	0.002362	95.24	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D2	0.0025	0.001	0.006	No	21	0.002332	90.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D3	0.001232	0.0008215	0.006	No	21	0.001539	28.57	Kapla...	No	0.01	Param.
Cobalt (mg/L)	MW-U1 (bg)	0.0025	0.0013	0.006	No	23	0.002274	95.65	Kapla...	No	0.01	NP (NDs)
Combined Radium 226 + ...	MW-D1	0.5234	0.2564	5	No	24	0.4922	29.17	Kapla...	No	0.01	Param.
Combined Radium 226 + ...	MW-D2	0.6418	0.3181	5	No	24	0.5442	29.17	Kapla...	No	0.01	Param.
Combined Radium 226 + ...	MW-D3	0.647	0.3051	5	No	24	0.5465	29.17	Kapla...	No	0.01	Param.
Combined Radium 226 + ...	MW-U1 (bg)	0.2009	0.0003867	5	No	24	0.3801	33.33	Kapla...	x^(1/3)	0.01	Param.
Fluoride (mg/L)	MW-D1	0.09671	0.06604	4	No	24	0.08138	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-D2	0.07661	0.05778	4	No	24	0.06808	12.5	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	MW-D3	0.13	0.11	4	No	24	0.125	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-U1 (bg)	0.07778	0.05725	4	No	25	0.06864	12	None	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-D1	0.0013	0.0008	0.015	No	16	0.001203	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-D2	0.0013	0.0005	0.015	No	16	0.001126	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-D3	0.0013	0.00025	0.015	No	16	0.001234	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-U1 (bg)	0.0013	0.00065	0.015	No	18	0.001206	94.44	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D1	0.0038	0.0023	0.04	No	19	0.002584	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D2	0.0031	0.0011	0.04	No	19	0.002484	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D3	0.005	0.0024	0.04	No	19	0.002436	78.95	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-U1 (bg)	0.0058	0.0005	0.04	No	20	0.002457	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D1	0.0002	0.000077	0.002	No	16	0.000...	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D2	0.0002	0.00018	0.002	No	16	0.000...	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D3	0.0002	0.00011	0.002	No	16	0.000...	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-U1 (bg)	0.0002	0.000099	0.002	No	17	0.000...	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D1	0.015	0.002	0.1	No	22	0.01032	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D2	0.015	0.0025	0.1	No	22	0.009195	86.36	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D3	0.004319	0.00254	0.1	No	22	0.004805	18.18	Kapla...	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	MW-U1 (bg)	0.02	0.003	0.1	No	23	0.009396	95.65	Kapla...	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D1	0.0014	0.00083	0.05	No	19	0.001174	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D2	0.0026	0.001	0.05	No	19	0.001209	78.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D3	0.0015	0.001	0.05	No	19	0.001281	68.42	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-U1 (bg)	0.0013	0.00062	0.05	No	21	0.00106	66.67	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D1	0.0005	0.0001	0.002	No	20	0.00048	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-D2	0.0005	0.00011	0.002	No	20	0.000...	50	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D3	0.0005	0.00011	0.002	No	20	0.000...	30	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-U1 (bg)	0.0005	0.0001	0.002	No	21	0.000481	100	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



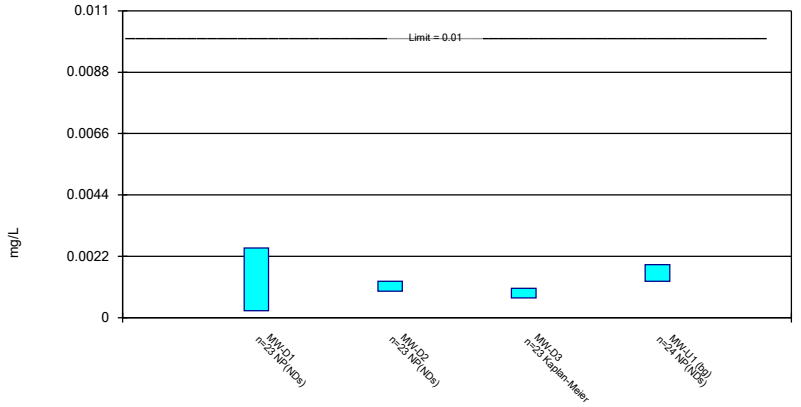
Constituent: Antimony Analysis Run 6/7/2025 2:14 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. 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.



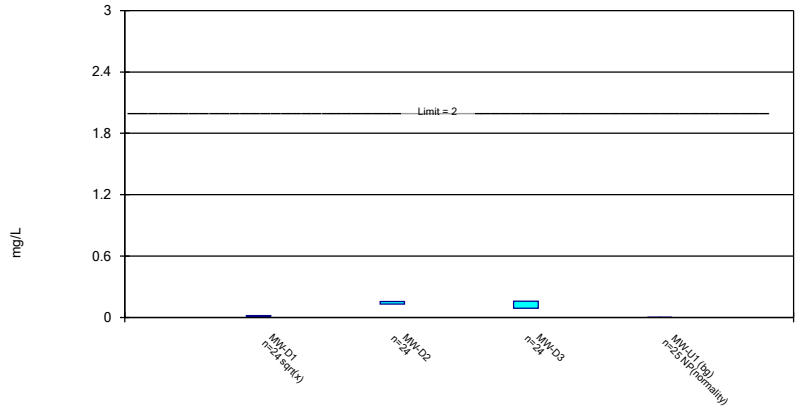
Constituent: Arsenic Analysis Run 6/7/2025 2:14 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. 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.



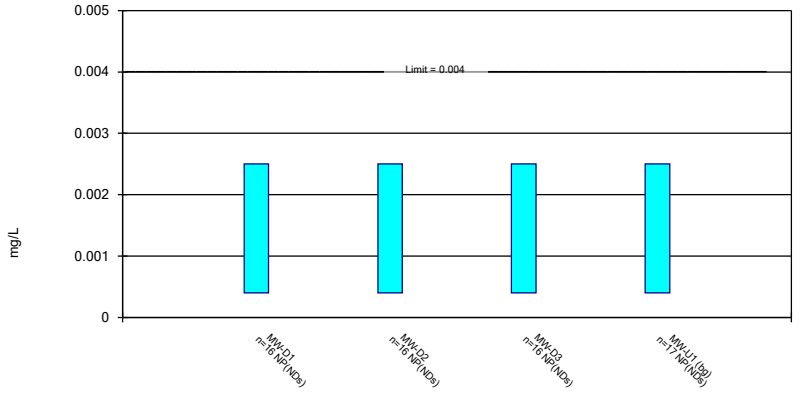
Constituent: Barium Analysis Run 6/7/2025 2:14 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

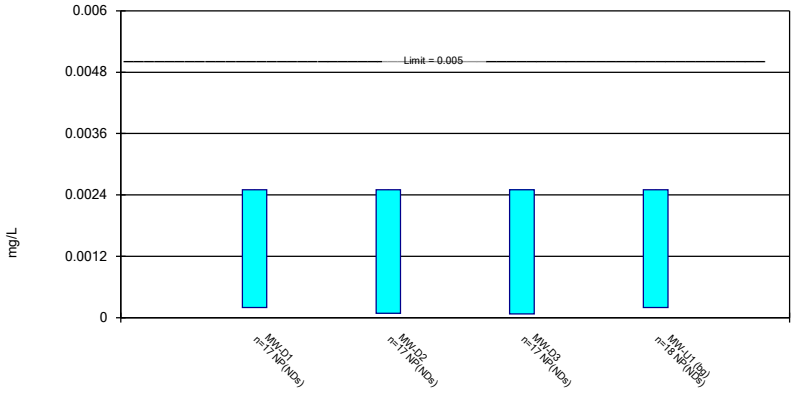


Constituent: Beryllium Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

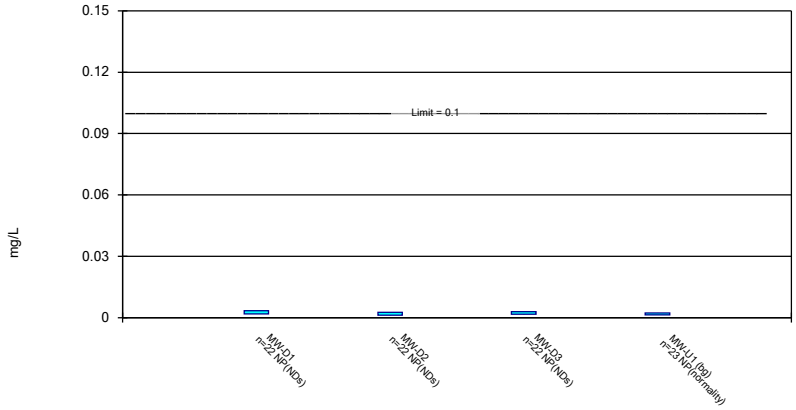


Constituent: Cadmium Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

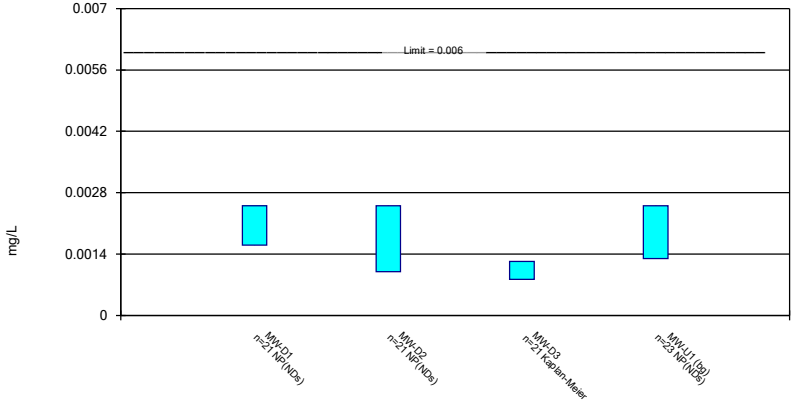


Constituent: Chromium Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

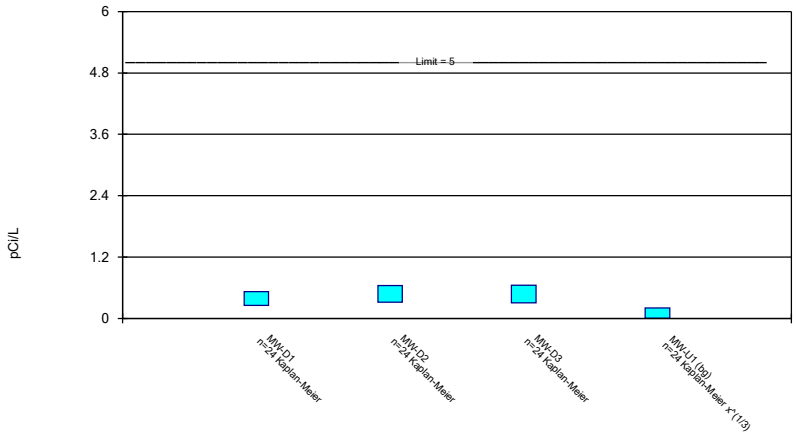


Constituent: Cobalt Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

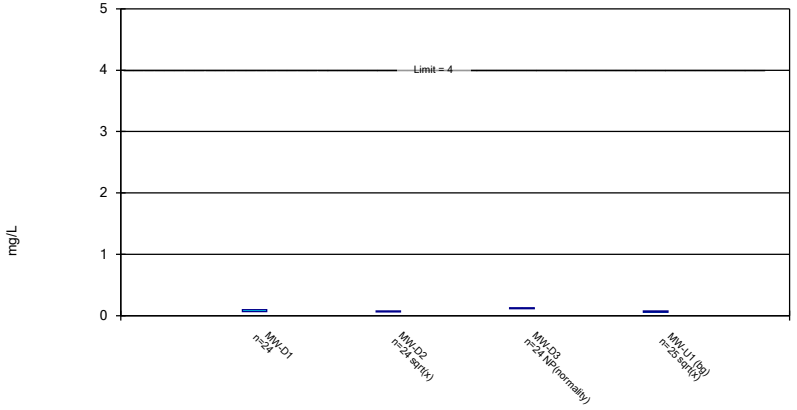


Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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.

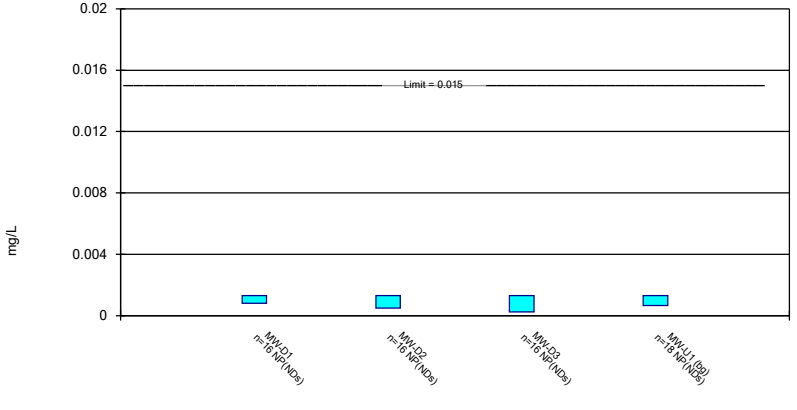


Constituent: Fluoride Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

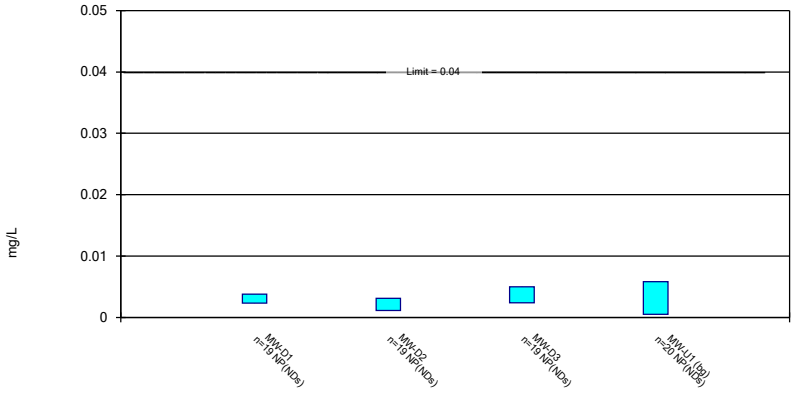


Constituent: Lead Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

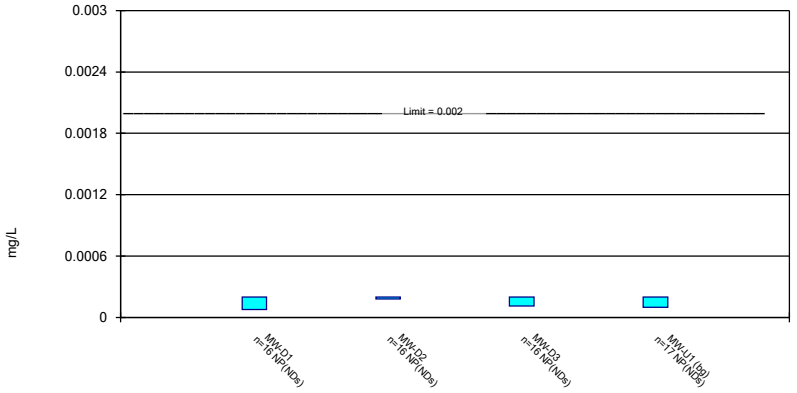


Constituent: Lithium Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

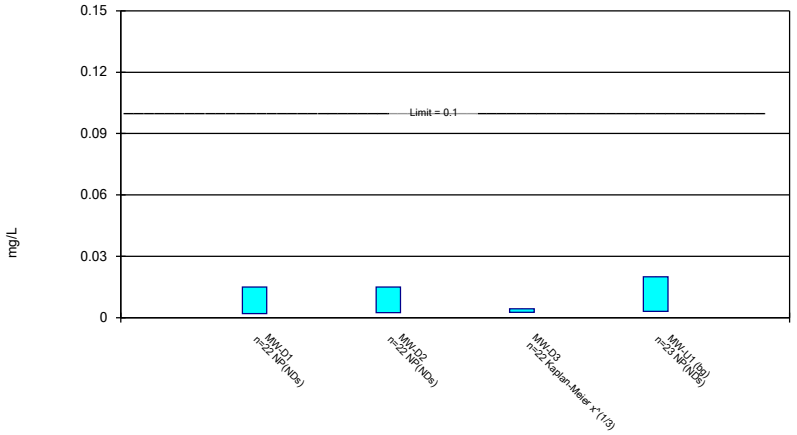


Constituent: Mercury Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

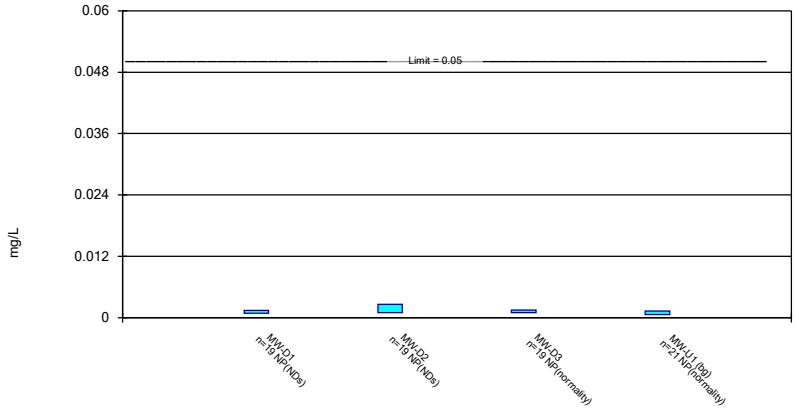


Constituent: Molybdenum Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

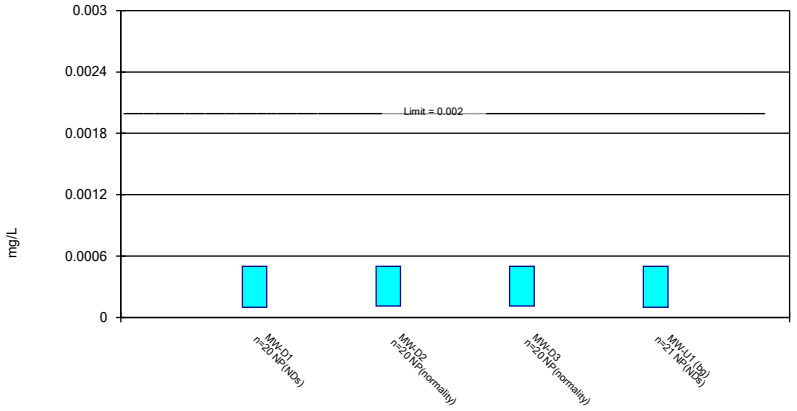


Constituent: Selenium Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

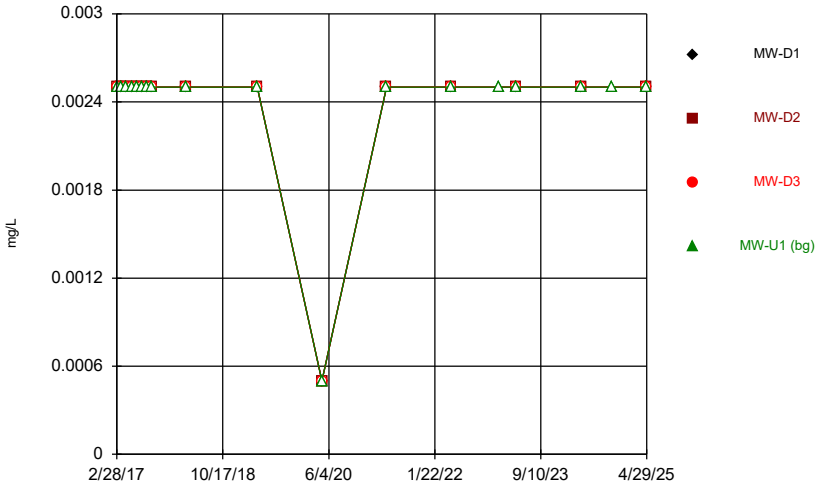


Constituent: Thallium Analysis Run 6/7/2025 2:15 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

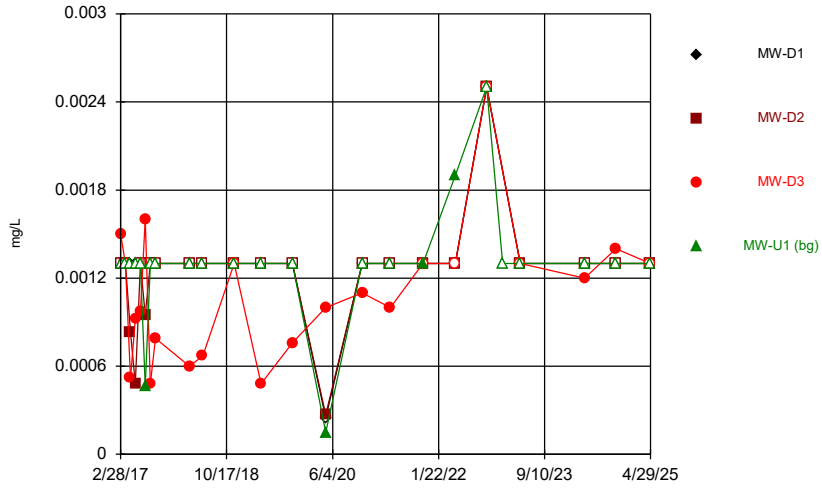


Constituent: Antimony Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

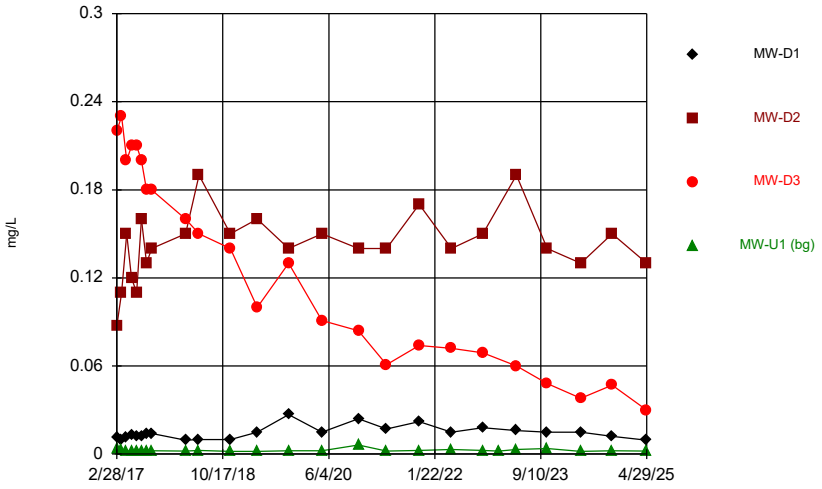


Constituent: Arsenic Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Time Series

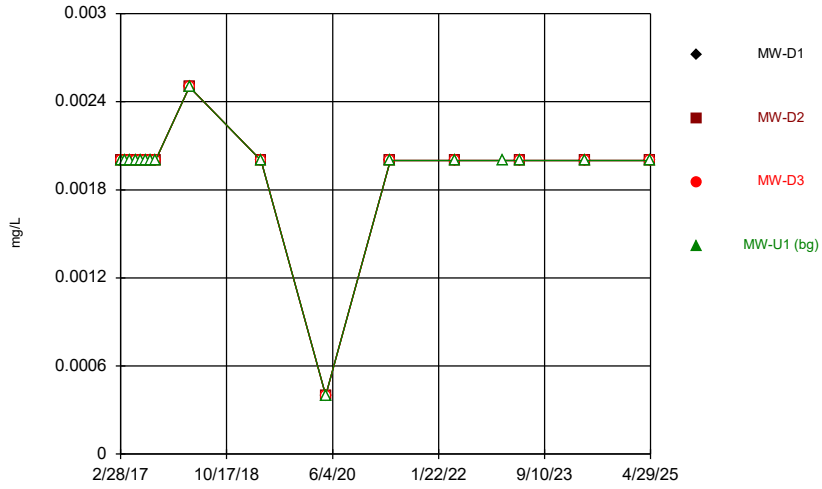


Constituent: Barium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

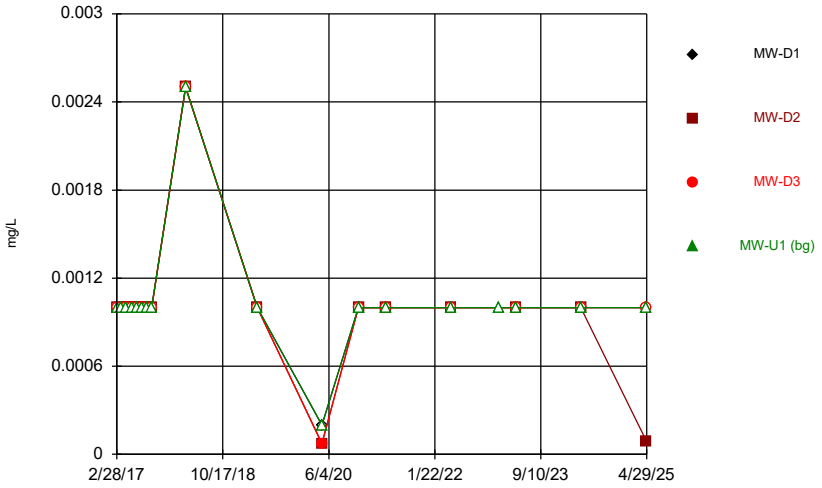


Constituent: Beryllium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

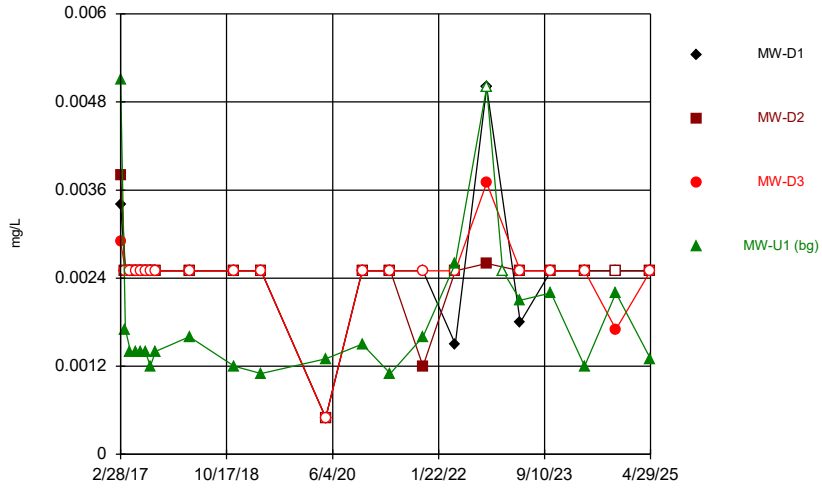


Constituent: Cadmium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

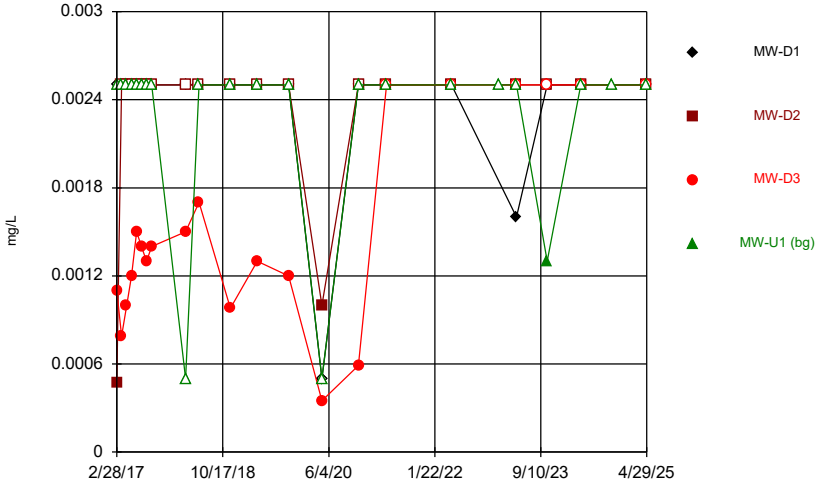


Constituent: Chromium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

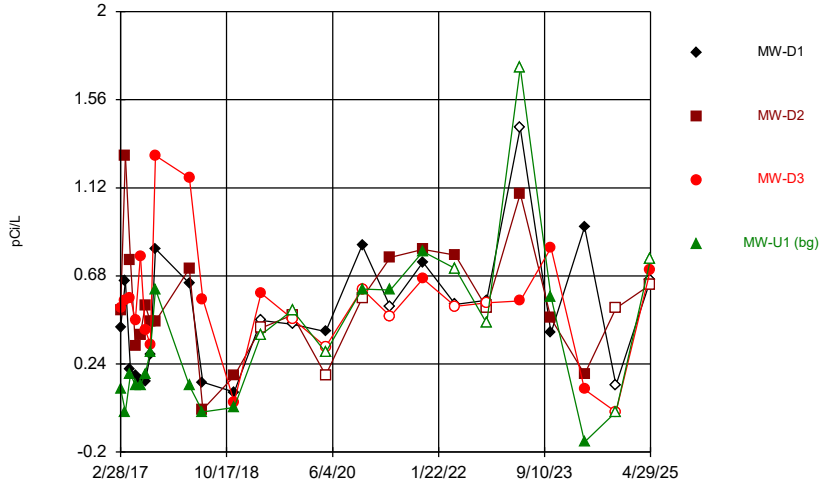


Constituent: Cobalt Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series

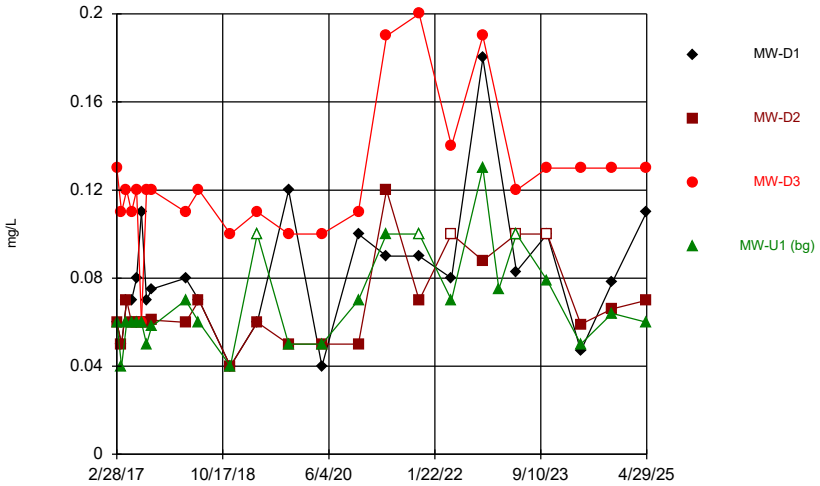


Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

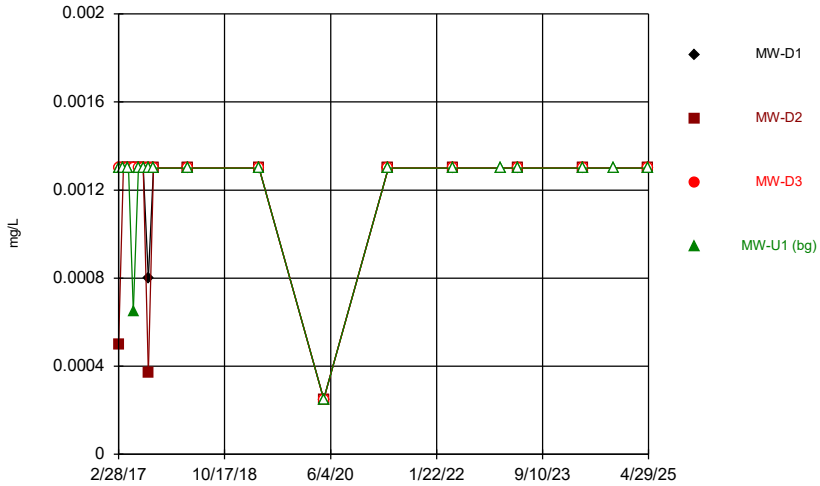
Time Series



Constituent: Fluoride Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

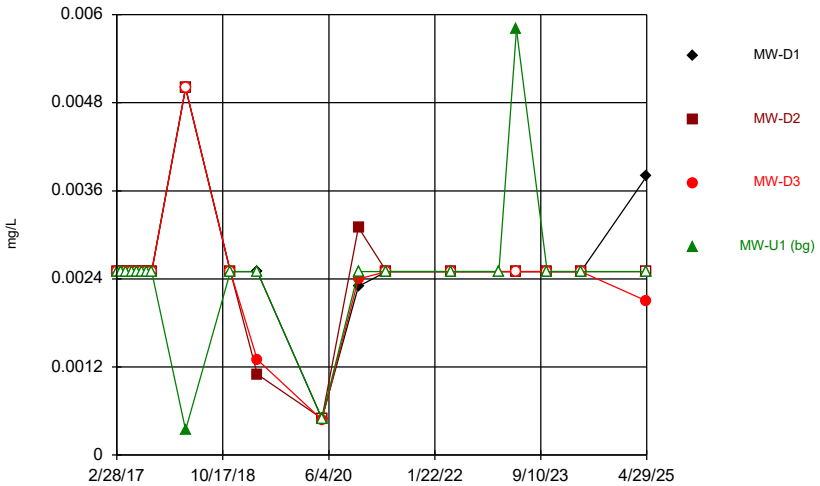
Time Series



Constituent: Lead Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

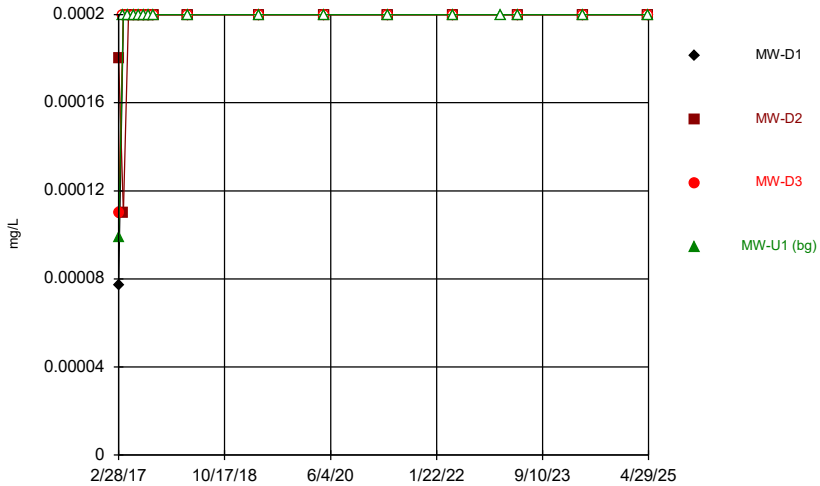
Time Series



Constituent: Lithium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

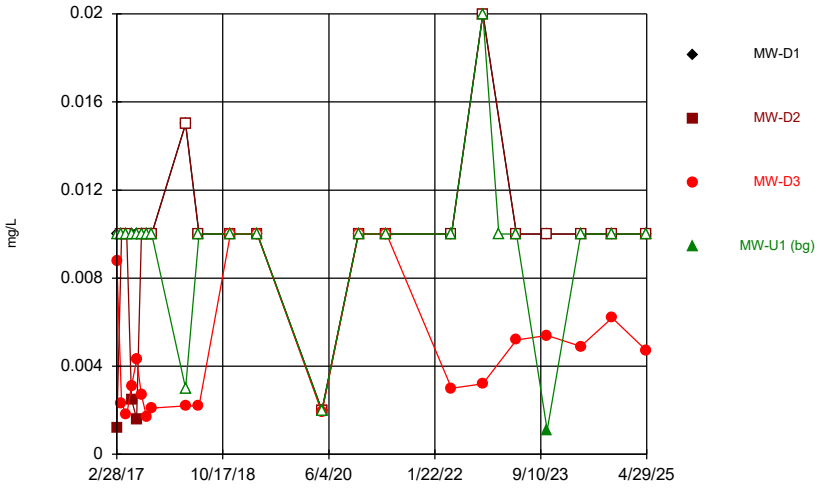
Time Series



Constituent: Mercury Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

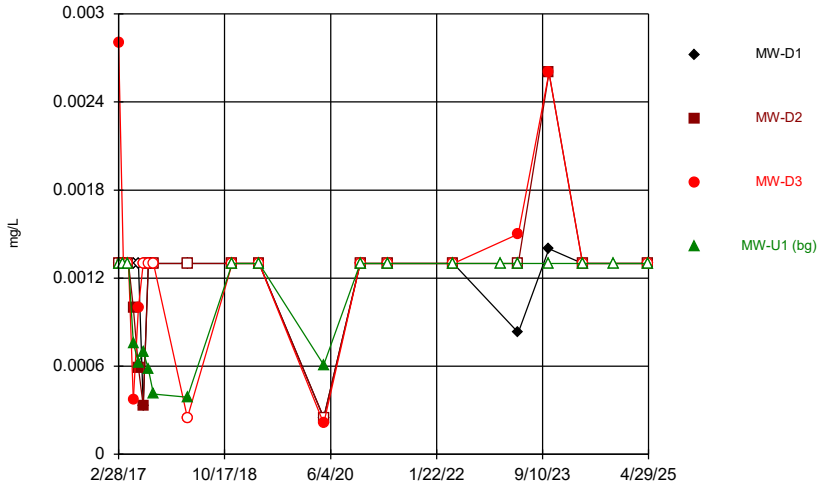
Time Series



Constituent: Molybdenum Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

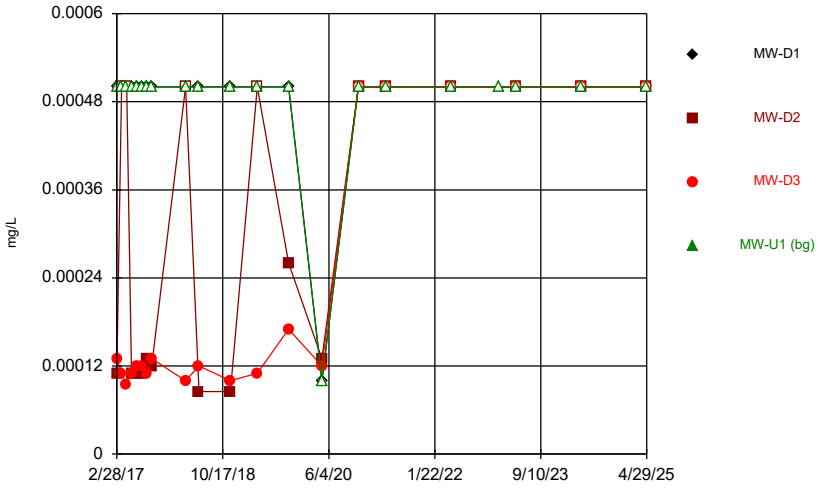
Time Series



Constituent: Selenium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 6/7/2025 2:16 PM View: Sanitas Sampling 2025 April Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event