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City Water, Light & Power
Springfield, Sangamon County, Illinois

Annual Groundwater Monitoring and Corrective Action Report
35 Ill. Adm. Code Part 845
Year Ending December 31, 2025

January 2026

Prepared for:
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1. INTRODUCTION

In accordance with 35 Ill. Adm. Code 845.550(a)(3) provided herein is the Annual Groundwater Monitoring and Corrective Action Report for year ending December 31, 2025. Pursuant to Section 845.610(e)(1), the Annual Groundwater Monitoring and Corrective Action Report must be included as part of the annual consolidated report required by Section 845.550.

City Water, Light and Power (CWLP) owns and operates two (2) existing coal combustion residual (CCR) surface impoundments. These impoundments, known as the Lakeside Ash Pond and the Dallman Ash Pond, are located north and east of the former Lakeside Power Generating Station and the Dallman Power Generating Station. The facilities are situated in the eastern half of Section 12, Township 15 North, Range 5 West, in Springfield, Illinois (see Figures 1 and 2).

The former Lakeside Power Generating Station and the Dallman Power Generating Station are located along the northwestern shoreline of Lake Springfield in Springfield, Illinois. The Lakeside Ash Pond is situated immediately north of Spaulding Dam at the northern end of Lake Springfield, while the Dallman Ash Pond lies immediately northwest of the Lakeside Ash Pond.

The Lakeside Ash Pond, placed into service prior to 1958, is primarily a diked embankment and consists of four separate ponds—three lime ponds and one settling pond—encompassing a total area of approximately 35.0 acres. The Lakeside Ash Pond ceased receiving ash in 2009.

The Dallman Ash Pond was placed into service in approximately 1976 and is also a diked embankment. It encompasses approximately 34.5 acres and ceased receiving ash in 2021.

All CCR and non-CCR waste streams ceased flowing into the Lakeside Ash Pond and Dallman Ash Pond as of October 13, 2023.

Status of the Groundwater Monitoring and Corrective Action Programs

Pursuant to Section 845.610(e)(4), the annual report must provide an overview of the groundwater monitoring program and corrective action plan. The summary must:

A) *Specify whether groundwater monitoring data shows a statistically significant increase over background concentrations for one or more constituents listed in Section 845.600.*

Pursuant to 35 Ill. Adm. Code 845.600, CWLP submitted a Groundwater Monitoring Program (GMP) for the CCR surface impoundments to the Illinois EPA and placed the program in the facility operating record on October 28, 2021. The background concentrations presented in the

2021 GMP were established using eight independent samples collected from each background and downgradient monitoring well. All samples were analyzed for the following monitoring parameters specified in Section 845.600:

- Antimony
- Arsenic
- Barium
- Beryllium
- Boron
- Cadmium
- Calcium
- Chloride
- Chromium
- Cobalt
- Fluoride
- Lead
- Lithium
- Mercury
- Molybdenum
- pH
- Radium 226/228
- Selenium
- Sulfate
- Thallium
- Total Dissolved Solids

CWLP updated the GMP in September 2024 as part of correspondence with the United States EPA and in response to Illinois EPA comments on the Initial Operating and Construction Permit applications. The 2024 GMP update included revisions to background concentrations based on eight independent samples collected between the first quarter of 2016 and the fourth quarter of 2017. For antimony, cobalt, calcium, and lead, background sampling was conducted between the first quarter of 2020 and the fourth quarter of 2021 using lower practical quantitation limits (PQLs). The arsenic background concentration was calculated using eight independent samples collected between July 7, 2023, and August 12, 2024.

The present groundwater monitoring network includes two upgradient wells (wells AP-4 and AP-5), eight downgradient wells (RW-3, AP-1R, AP-2A, AP-3, AP-6, AP-8, AP-10 and AP-14) and ten compliance boundary wells (AP-7, AP-9, AP-11, AP-12, AP-13, T-1, T-2, T-4, T-5 and T-6). Monitoring wells T-1, T-2, T-4, T-5 and T-6 were installed in April and May of 2024. In addition to the above surface impoundment wells, Table 1 and Table 2 include groundwater analytical data from FGDS Landfill wells, AW-1 and G120. Wells AW-1 and G120 are not part of the groundwater monitoring program under 35 Ill. Adm. Code 845, but are permitted under 35 Ill. Adm. Code 811. Consistent with the surface impoundment groundwater monitoring wells, FGDS landfill wells AW-1 and G120 are screened across the basal sand/bedrock interface. During 2025, groundwater analytical results were compared to the groundwater protection/background values (see Table 1). Reports documenting exceedances of the calculated background were submitted to the Illinois EPA and placed into the facility record for 2025.

Pursuant to 35 Ill. Adm. Code 845.640(f), the statistical method selected to evaluate groundwater monitoring data for each constituent is the Prediction Interval Procedure specified in 35 Ill. Adm.

Code 845.640(f)(1)(C). Under this procedure, a prediction interval for each constituent is established based on the distribution of background data, and concentrations measured in each compliance well (i.e., well/constituent pair) are compared to the upper prediction limit to determine whether a statistically significant increase (SSI) over background has occurred.

Based on this evaluation, groundwater monitoring data collected in 2025 indicate statistically significant increases (SSIs) over background concentrations for multiple constituents listed in Section 845.600.

B) *Identify those constituents having a statistically significant increase over background concentrations and the names of the monitoring wells associated with the increase.*

The constituents and wells that exhibit an SSI over background concentrations in 2025 are:

Parameter	AP-1R	AP-2A	AP-3	AP-4	AP-5	AP-6	AP-7	AP-8	AP-9	AP-10	AP-11	AP-12	AP-13	AP-14	RW-3	AW-1	G-120
Arsenic, total			X	X		X	X	X							X	X	X
Barium, total										X							X
Boron, total	X	X	X			X	X			X	X			X	X	X	X
Calcium, total	X	X	X									X		X		X	X
Chloride, total	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X
Cobalt, total		X	X	X													
pH	X	X	X	X	X				X	X	X	X	X			X	X
Sulfate, total	X	X	X		X					X	X	X	X	X		X	X
Total Dissolved Solids	X	X	X						X	X	X	X		X		X	X

Parameter	T-1	T-2	T-4	T-5	T-6
Boron, total	X				X
Calcium, total		X			
Chloride, total	X	X			X
Cobalt, total	X				
Fluoride, total					
Lithium	X	X	X		

pH	*X*	*X*	*X*		
Sulfate, total	*X*	*X*	*X*		
Total Dissolved Solids	*X*	*X*			

C) Specify whether there have been any exceedances of the groundwater protection standards for one or more constituents listed in Section 845.600.

Pursuant to Section 845.120, an "exceedance of the groundwater protection standard" is defined as follows for existing CCR surface impoundments and inactive CCR surface impoundments:

- An analytical result in a downgradient well with a concentration exceeding the numerical value for a constituent listed in Section 845.600(a); or
- Where the upgradient background concentration of a constituent exceeds the numerical value listed in Section 845.600(a), an analytical result in a downgradient well that is statistically significantly greater than the upgradient background concentration.

Based upon this evaluation, groundwater monitoring data for 2025 exhibits an SSI of the groundwater protection standards (GWPS) for multiple constituents listed in Section 845.600.

D) Identify those constituents with exceedances of the groundwater protection standards in Section 845.600 and the names of the monitoring wells associated with the exceedance.

The constituents that exhibit an SSI of a GWPS in 2025 are:

Parameter	*AP-1R*	*AP-2A*	*AP-3*	*AP-4*	*AP-5*	*AP-6*	*AP-7*	*AP-8*	*AP-9*	*AP-10*	*AP-11*	*AP-12*	*AP-13*	*AP-14*	*RW-3*	*AW-1*	*G-120*
Arsenic, total							*X*	*X*							*X*	*X*	
Boron, total	*X*	*X*	*X*							*X*				*X*		*X*	*X*
Calcium, total	*X*	*X*	*X*									*X*		*X*		*X*	*X*
pH	*X*	*X*	*X*								*X*	*X*	*X*				
Sulfate, total	*X*		*X*									*X*		*X*		*X*	*X*
Total Dissolved Solids	*X*													*X*			*X*

Parameter	*T-1*	*T-2*	*T-4*	*T-5*	*T-6*
Calcium, total		*X*			
Chloride, total	*X*	*X*			
pH	*X*				
Total Dissolved Solids		*X*			

E) *Provide the date when the assessment of corrective measures was initiated for the CCR surface impoundment.*

The assessment of corrective measures was initiated May 2021.

F) *Provide the date when the assessment of corrective measures was completed for the CCR surface impoundment.*

An assessment of alternatives, including an evaluation of corrective measures and a closure alternatives analysis, was completed and posted on the facility's CCR compliance website on October 25, 2021. A public meeting was held on December 2, 2021, to present the closure alternatives and corrective action analysis and to receive and respond to public comments. Based on the closure alternatives assessment, closure-in-place with a final cover system was determined to be the most appropriate option.

As provided in Section 845.660(e), the owner/operator may combine the corrective measures assessment and the closure alternatives analysis into a single assessment of alternatives. The groundwater monitoring program has identified constituent concentrations in downgradient wells that require the implementation of an assessment of corrective measures. Based on the results of groundwater sampling and analyses, the facility anticipates conducting closure activities concurrently with corrective action.

G) *Specify whether a remedy was selected under Section 845.670 during the current annual reporting period, and if so, the date of remedy selection; and*

Pursuant to Section 845.710, closure of the surface impoundments may be completed by either:

- Leaving the CCR in place and installing a final cover system, or;
- Removing the CCR and decontaminating of the surface impoundments.

Currently, CWLP has selected closure-in-place with a final cover system as the most appropriate remedy. CWLP submitted a construction permit application for closure by installation of a final cover system pursuant to Section 845.750 on February 1, 2022. CWLP received a review letter from the Illinois EPA dated October 10, 2023, and subsequently submitted responses to the Illinois EPA on September 9, 2024, and October 30, 2024.

H) Specify whether remedial activities were initiated or are ongoing under Section 845.780 during the current annual reporting period.

In April 2019, CWLP submitted a notification of intent to comply with the Alternative Closure Requirements of 40 CFR 257.103(a), as no alternative disposal capacity was then available. Since that time, CWLP has shut down Dallman Units 31, 32, and 33 and completed the relocation of the lime ponds. All CCR and non-CCR waste streams ceased flowing into the impoundments as of October 2023.

While CWLP intended to commence closure of the Lakeside Ash Pond and the Dallman Ash Pond following completion of the new lime pond processing area, closure of the CCR ash impoundments cannot begin until a closure construction permit is issued by the Illinois EPA. To that end, CWLP submitted an Operating Permit Application to the Illinois EPA on October 28, 2021, and a Construction Permit Application on February 1, 2022. CWLP provided responses to the Illinois EPA review letter on September 9, 2024, and October 30, 2024.

2. GROUNDWATER MONITORING PROGRAM

As required by Section 845.650(a), CWLP prepared and placed a Groundwater Monitoring Program (GMP) for the CCR surface impoundments into the facility record on October 28, 2021. The GMP was updated in September 2024 and submitted to the Illinois EPA as part of CWLP's response to the review letter on September 9, 2024.

The current groundwater monitoring network includes two upgradient wells (AP-4 and AP-5), eight downgradient wells (RW-3, AP-1R, AP-2A, AP-3, AP-6, AP-8, AP-10, and AP-14), and ten compliance boundary wells (AP-7, AP-9, AP-11, AP-12, AP-13, T-1, T-2, T-4, T-5, and T-6). Wells T-1, T-2, T-4, T-5, and T-6 were installed in April and May 2024. Well locations are shown in Figure 2.

A Groundwater Monitoring System Certification has been placed in the site record and uploaded to the facility Illinois CCR Compliance website: https://www.cwlp.com/IllinoisCCRCompliance.aspx.

The following sections of this report address the annual groundwater monitoring and corrective action requirements specified in Section 845.650(e)(2) and (3).

3. SECTION 845.610(e)(2): KEY ACTIONS, PROBLEMS ENCOUNTERED, AND KEY ACTIVITIES FOR 2025

3.1 Key Actions

The following summarizes key actions undertaken in 2025 specifically related to the Groundwater Monitoring Program:

3.1.1 Assessment Monitoring

In accordance with Section 845.660(a), CWLP has initiated an assessment of corrective measures in response to statistically significant increases (SSIs) over background concentrations or the groundwater quality standards for one or more constituents listed in Section 845.600(a). Pursuant to Section 845.660(b), CWLP will continue to monitor groundwater in accordance with the monitoring program specified in Section 845.650.

Assessment monitoring, which includes all Section 845.600(a) parameters as well as calcium and turbidity, continued throughout 2025 for all wells in the groundwater monitoring system. A summary of the 2025 groundwater analytical reports and field sampling notes is provided in Appendix C. The chemical analysis results are summarized in Table 1.

3.1.2 Assessment Monitoring Investigation

Pursuant to Section 845.650(d)(1), the nature and extent of affected groundwater must be determined to allow evaluation and selection of potential remedies, if necessary. Characterization of affected groundwater is regulated under Section 845.650(d)(1)(A–D).

Seven wells were installed in February 2021 to augment the monitoring network and evaluate exceedances of the groundwater protection standards (GWPSs), all in accordance with Section 845.650(d)(1). Wells AP-10 and AP-14 were installed along the west side of the impoundments, and compliance boundary wells AP-9, AP-11, AP-12, and AP-13 were installed west of the creek.

Five additional wells were installed north and west of the creek in April and May 2024. These wells, identified as T-1, T-2, T-4, T-5 and T-6, are shown in Figure 3.

GWPS exceedances were observed and confirmed during the 2025 quarterly groundwater sampling events in downgradient wells AP-1R, AP-2A, AP-3, AP-8, AP-10, AP-14, RW-3, T-1 and T-2, as well as in compliance boundary well AP-7 and AP-12 (see Table 2).

Pursuant to 35 Ill. Adm. Code 845.650(d), CWLP has submitted notifications of the GWPS exceedances to the Illinois EPA and posted each notification its Illinois CCR Compliance website (https://www.cwlp.com/IllinoisCCRCompliance.aspx).

An alternate source demonstration (ASD) pursuant to 35 Ill. Adm. Code 845.650(e) was submitted to the Illinois EPA on October 28, 2024, to address the exceedances observed at monitoring well AP-7. The Illinois EPA issued a letter of non-concurrence on November 14, 2024, citing three data gaps. CWLP provided supplemental information on December 9, 2024, to address the cited gaps. The Illinois EPA issued a subsequent non-concurrence letter on January 9, 2025, noting that Section 845.650(e)(6) does not allow resubmittal of an ASD. CWLP previously submitted an Assessment of Corrective Measures pursuant to 35 Ill. Adm. Code 845.660 as part of the Closure Construction Permit Application on February 1, 2022, which remains under review by the Illinois EPA.

The remaining exceedances, at wells AP-1R, AP-2A, AP-3, AP-10, AP-14, and RW-3, have been delineated pursuant to Section 845.650(d)(1).

Assessment monitoring data collected during the 2025 quarterly sampling events, including sample dates and Section 845.600 parameters, are presented in Table 1.

Assessment monitoring at the CWLP CCR surface impoundments will continue pursuant to Section 845.660(b).

3.2 Assessment of Corrective Measures

As provided in Section 845.660(e), the owner/operator may combine the assessment of corrective measures and the closure analysis into a single assessment of closure alternatives. The groundwater monitoring program has identified constituent concentrations in downgradient wells that require implementation of an assessment of corrective measures. The facility anticipates conducting closure activities concurrently with corrective action based on groundwater sampling and analysis results. The assessment of corrective measures has been completed pursuant to Section 845.660 and is incorporated into the assessment of alternatives in accordance with Section 845.660(e).

Pursuant to Section 845.700(b), the surface impoundments are required to either be retrofitted or closed as long-term corrective measures. A closure alternative analysis was completed and

posted on the facility website on October 25, 2021. A public meeting was held on December 2, 2021, to present the closure alternatives analysis and the assessment of corrective measures, and to receive and respond to public comments. Based on the evaluation of closure alternatives, closure-in-place with a final cover system was determined to be the most appropriate option. Following installation of the final cover system, it is estimated that approximately 13 years will be required to achieve groundwater protection standards.

The closure alternative analysis and corrective measures assessment were submitted to the Illinois Environmental Protection Agency (Illinois EPA) on February 1, 2022, as part of the closure construction permit application prepared pursuant to Section 845.700(c) and in accordance with the application schedule under Section 845.700(h). CWLP submitted responses to the Illinois EPA review letter on September 9, 2024, and October 30, 2024.

3.3 Problems Encountered

All activities which occurred in 2025 are discussed in Section 3.1 and 3.2 above. No problems were encountered.

3.4 Key Activities for Upcoming Year (2026)

Assessment monitoring shall continue at the CWLP CCR surface impoundments in accordance with Section 845.660(b).

Closure of the CCR ash impoundments may not commence until a closure construction permit is issued by the Illinois Environmental Protection Agency (Illinois EPA). CWLP submitted an Operating Permit Application to the Illinois EPA on October 28, 2021, followed by a Construction Permit Application on February 1, 2022. The Illinois EPA has provided comments on the applications, and a meeting was held on November 16, 2023, to discuss the comments in part. CWLP has initiated modifications to its National Pollutant Discharge Elimination System (NPDES) permit to allow dewatering of the surface impoundments in preparation for closure with a final cover system. All closure activities must be implemented and completed in accordance with approvals issued by the U.S. Environmental Protection Agency pursuant to 40 CFR Part 257. Coordination with the U.S. EPA regarding proposed closure activities is ongoing.

4. SECTION 845.610(e)(3)(A-F)

Additional requirements for the Annual Groundwater Monitoring and Corrective Action Report are detailed in Section 854.610(e)(3)(A-F). Each of the requirements is reproduced below along with the response.

(A) - A map, aerial image, or diagram showing the CCR surface impoundment, all background (or upgradient) and downgradient monitoring wells, including the well identification numbers, that are part of the groundwater monitoring program for the CCR surface impoundment, and a visual delineation of any exceedances of the groundwater protection standards.

Maps depicting the CCR surface impoundments, all background and downgradient monitoring wells, and the delineation of identified exceedances of the groundwater protection standards are provided in Appendix A.

(B) - Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken.

Five additional CCR surface impoundment monitoring wells (CCR T-1, T-2, T-4, T-5, and T-6) were installed north and west of the creek in April and May 2024 to enhance the groundwater monitoring network. No additional wells were installed or decommissioned in 2025.

(C) - A potentiometric surface map for each groundwater elevation sampling event required by Section 845.650(b)(2).

Pursuant to 35 Ill. Adm. Code 845.610(e)(3)(C), the Annual Groundwater Monitoring and Corrective Action Report must include, as part of the annual consolidated report required by Section 845.550, a potentiometric surface map for each groundwater elevation sampling event required under Section 845.650(b)(2). To satisfy this requirement for the 2025 reporting period, groundwater elevation data from CCR surface impoundment wells (35 Ill. Adm. Code 845) and all other piezometers and monitoring wells (i.e., FGDS Landfill wells permitted under 35 Ill. Adm. Code 811) were reviewed and analyzed to prepare comprehensive potentiometric surface maps.

To better characterize groundwater flow directions, groundwater elevation data from all basal sand monitoring wells were used to develop the potentiometric surface maps. Because some wells are monitored at different frequencies or for specific assessment monitoring purposes, groundwater elevation measurements were not available for all wells on all sampling dates. These missing data points are identified as “NM” (not measured) on the potentiometric surface maps.
To address these data gaps and ensure a complete dataset for evaluating groundwater flow directions and gradients across the site, groundwater elevations were estimated where measurements were unavailable. Estimates were generated using linear regression applied to the available time-series groundwater elevation data for each affected well, with sampling dates converted to numerical days since January 27, 2025, to facilitate model fitting. This approach

captures observed temporal trends—such as the general decline in groundwater elevations observed in many wells—and provides reasonable approximations where direct measurements were not obtained.

For wells with missing data during earlier sampling events (e.g., AP15D, AP16, P04D, and P06D Middle), groundwater elevations were extrapolated backward from subsequent measurements under the assumption of continuity in the observed linear trends. For wells with missing data during later sampling events (e.g., AW2, G110, G112, and others), elevations were extrapolated forward from prior measurements. The quality of each regression fit was evaluated using the coefficient of determination (R^2), which ranged from 0.026 to 0.988, with an average R^2 of approximately 0.753 across all affected wells. Lower R^2 values indicate increased variability potentially attributable to seasonal effects, localized hydrogeologic conditions, or measurement variability; however, linear regression represents a conservative and commonly accepted method for interpolation and extrapolation in the absence of additional site-specific data.

This estimation methodology ensures that the potentiometric surface maps are developed using the best available information and provide a representative depiction of site-wide groundwater conditions, consistent with annual reporting requirements. Potentiometric surface maps for each monthly groundwater elevation sampling event are included in Appendix B.

As shown on the potentiometric surface maps, groundwater generally flows radially outward from the CCR surface impoundment areas, with an overall northerly component of groundwater flow.

(D) - In addition to all the monitoring data obtained under this Subpart, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, and the dates the samples were collected.

Pursuant to Section 845.650(b)(1), groundwater samples are collected on a quarterly basis. The laboratory analytical reports for the parameters at Section 845.600(a), calcium, and turbidity for each of the quarterly groundwater sampling events are provided in Appendix C.

(E) - A narrative discussion of any statistically significant increases over background levels for the constituents listed in Section 845.600; and

Sampling and analysis were conducted at all required monitoring wells for the parameters identified in Section 845.600(a)(1), including calcium and turbidity. Due to it being frozen during the initial first quarter 2025 sampling activities, AP-14 was sampled a week after the other wells for the first quarter 2025. During the 2025 assessment monitoring period, statistically significant increases (SSIs) above the groundwater protection standards (GWPS) were confirmed for seven

parameters: arsenic, boron, calcium, cobalt, pH, sulfate, and total dissolved solids (TDS). Table 2 summarizes all confirmed SSIs. The following sections provide detailed evaluations for each constituent, including concentration ranges, temporal trends, relevant geochemical considerations, and an assessment of whether observed exceedances are attributable to the unlined CCR surface impoundments.

Arsenic (Total)

Confirmed SSIs for total arsenic (GWPS = 0.0239 mg/L) were identified in 2025 at monitoring wells AP-7, AP-8, and RW-3.

Arsenic exceedances were primarily observed at wells AP-8 and RW-3, which are located immediately north and northeast of the CCR surface impoundments. These wells are positioned along the predominant northerly groundwater flow path as indicated by the potentiometric surface maps. Arsenic concentrations decrease farther downgradient at well AP-6, where concentrations ranged from 0.0037 to 0.012 mg/L and remained below the GWPS. This spatial trend indicates attenuation of arsenic concentrations between the impoundments and the compliance boundary well (AP-7).

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-7	Arsenic, total	mg/L	0.0239	0.0248	0.0289	0.0289	0.0182
AP-8	Arsenic, total	mg/L	0.0239	0.0487	0.0446	0.0389	0.0372
RW-3	Arsenic, total	mg/L	0.0239	0.0961	0.0808	0.103	0.108

Eight-quarter linear regression analyses indicate downward concentration trends for total arsenic at monitoring wells AP-7, AP-8, and RW-3.

Alternate source demonstrations submitted on October 28 and December 9, 2024, concluded that arsenic detected at AP-7 is attributable to naturally occurring geochemical conditions north of Sugar Creek rather than to CCR leachate. This conclusion is supported by the local groundwater flow regime along the north bank of Sugar Creek, which consistently flows from north to south toward the creek. As a result, groundwater north of the creek is hydraulically isolated from groundwater originating beneath the CCR surface impoundments.

Arsenic mobility is governed by geochemical factors including redox conditions, pH, ionic strength, and competitive sorption processes. Elevated ionic strength and increased sulfate and calcium concentrations—conditions commonly associated with CCR leachate—can inhibit arsenic sorption and increase mobility. The observed declining arsenic concentrations at AP-8 and RW-

3 may reflect stabilization of redox conditions, reductions in competing anion concentrations, or increased sorption capacity within the aquifer matrix. The limited spatial extent of exceedances, combined with the downward concentration trends, indicates that an expanding arsenic plume is not present.

Based on groundwater flow patterns, flow directions, and trend analyses, arsenic exceedances at AP-8 and RW-3 are most likely associated with localized geochemical mobilization, while the exceedance at AP-7 is unrelated to CCR impacts. There is no evidence of a migrating arsenic plume extending downgradient from the CCR surface impoundments.

Boron, total

Confirmed statistically significant increases (SSIs) for total boron (GWPS = 2 mg/L) were identified during the 2025 assessment period at downgradient monitoring wells AP-1R, AP-2A, AP-3, AP-10, AP-14, AW-1, and G120.

Elevated boron concentrations closely correspond to the radial groundwater flow paths originating beneath the CCR surface impoundments, as shown on the potentiometric surface maps. These monitoring wells are located immediately downgradient of the CCR units and exhibit boron concentrations consistent with those typically associated with CCR leachate.

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-1	Boron, total	mg/L	2	21.7	20.8	23	21.4
AP-2	Boron, total	mg/L	2	3.53	3.12	3.43	3.15
AP-3	Boron, total	mg/L	2	12.1	12.9	16.5	18
AP-10	Boron, total	mg/L	2	3.36	4.5	4.25	3.88
AP-14	Boron, total	mg/L	2	21.5	21.7	21.9	20.8
AW-1	Boron, total	mg/L	2	8.79	8.75	9.61	9.67
G120	Boron, total	mg/L	2	7.5	8.02	7.95	8.23

Monitoring wells located on the opposite bank of Sugar Creek (AP-7, AP-9, AP-11, AP-12, and AP-13) remain below the GWPS, confirming that boron has not migrated beneath or across Sugar Creek.

Trend analyses indicate decreasing boron concentrations at wells AP-1R, AP-2A, and AP-14, while increasing concentrations were observed at AP-3, AP-10, AW-1, and G120.

Boron is a highly conservative tracer that is strongly associated with CCR leachate and exhibits minimal attenuation through sorption or precipitation processes. As a result, boron migrates conservatively with groundwater and reliably delineates the extent of the CCR leachate footprint. The observed spatial distribution and temporal trends of boron concentrations strongly indicate a CCR-derived plume, limited to monitoring wells immediately downgradient of the CCR surface impoundments, with no evidence of migration beneath or across Sugar Creek.

Calcium, total

Statistically significant increases (SSIs) for calcium (GWPS = 181.6 mg/L) were confirmed during 2025 at monitoring wells AP-1R, AP-2A, AP-3, AP-12, AP-14, AW-1, G120, and temporary assessment well T-2.

Calcium concentrations at AP-1R, AP-2A, AP-3, AP-14, AW-1, and G120 closely follow the downgradient groundwater flow paths originating beneath the CCR surface impoundments. These wells are situated along the potentiometric gradient where groundwater discharging from the impoundments enters the basal sand/bedrock interface.

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-1	Calcium, total	mg/L	181.6	245	228	259	251
AP-2	Calcium, total	mg/L	181.6	198	183	216	213
AP-3	Calcium, total	mg/L	181.6	168	171	205	192
AP-12	Calcium, total	mg/L	181.6	197	204	226	193
AP-14	Calcium, total	mg/L	181.6	268	276	277	317
AW-1	Calcium, total	mg/L	181.6	186	203	205	209
G120	Calcium, total	mg/L	181.6	249	256	272	287
T-2	Calcium, total	mg/L	181.6	210	231	231	209

Calcium concentrations mirror the downgradient flow paths beneath the CCR surface impoundments and are elevated in the same wells exhibiting elevated boron, sulfate, and TDS.

Monitoring well AP-12, located across Sugar Creek, continues to show elevated calcium attributed to off-site sources (e.g., deicing along Interstate 55), consistent with the September 12, 2022, Alternate Source Demonstration.

Trend analyses indicate slight decreases at AP-12 and increasing concentrations at all other wells with confirmed SSIs.

In CCR-impacted environments, calcium commonly originates from the dissolution of gypsum or anhydrite phases. Elevated calcium typically co-occurs with high sulfate and TDS, reflecting leachate with elevated ionic strength.

Overall, calcium patterns are consistent with a CCR-derived plume immediately adjacent to the surface impoundments, except for wells AP-12 and T-2, where off-site sources are the primary influence.

Cobalt, total

During 2025, confirmed statistically significant increases (SSIs) for total cobalt (GWPS = 0.006 mg/L) were observed at downgradient monitoring wells AP-2A and AP-3, as well as at upgradient well AP-4.

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-2	Cobalt, total	mg/L	0.006	0.014	0.0095	0.0127	0.0078
AP-3	Cobalt, total	mg/L	0.006	0.0057	0.0081	0.0076	< 0.005
AP-4	Cobalt, total	mg/L	0.006	< 0.005	0.0083	0.0075	0.0067

During 2025, confirmed statistically significant increases (SSIs) for total cobalt (GWPS = 0.006 mg/L) were observed at downgradient monitoring wells AP-2A and AP-3, as well as at upgradient well AP-4. Trend analyses indicate increasing cobalt concentrations at AP-2A and AP-4 and decreasing concentrations at AP-3.

Cobalt mobility can increase under acidic, reducing, or high-ionic-strength conditions. However, observed cobalt concentrations remain near detection limits, exhibit limited spatial coherence, and are detected both downgradient and upgradient of the CCR surface impoundments.

The detection of cobalt above the GWPS in upgradient well AP-4 indicates that these exceedances are attributable to local natural variability rather than CCR leachate transport. Considering the extremely low concentrations, lack of spatial correlation with CCR indicator ions, upgradient exceedances, and questionable fourth-quarter pH data, the confirmed SSIs for cobalt are not attributable to the CCR surface impoundments.

pH (Field)

During 2025, pH values outside the groundwater protection standard range (6.5–9.0 standard units) were observed at monitoring wells AP-1, AP-2A, AP-3, AP-11, AP-12, AP-13, and

temporary assessment well T-1. The fourth-quarter 2025 pH data are considered suspect and potentially erroneous, likely due to calibration issues.

Data from the first through third quarters of 2025 indicate mildly acidic conditions across the site. However, no plume-like pattern or concentration gradient indicative of CCR leachate migration was exhibited. Lower pH values occur both near and distant from the CCR surface impoundments and on both sides of Sugar Creek.

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-1	pH	s.u.	6.5-9	6.55	6.42	6.42	4.86
AP-2	pH	s.u.	6.5-9	6.44	6.45	6.3	4.55
AP-3	pH	s.u.	6.5-9	6.54	6.53	6.36	4.93
AP-11	pH	s.u.	6.5-9	6.4	6.53	6.34	4.79
AP-12	pH	s.u.	6.5-9	6.55	6.5	6.38	4.74
AP-13	pH	s.u.	6.5-9	6.69	6.68	6.43	5.22
T-1	pH	s.u.	6.5-9	6.59	6.58	6.46	4.54

Lower pH can increase the solubility of metals and oxyanions. However, the widespread pH decreases observed in 2025 are more consistent with regional aquifer conditions, seasonal recharge effects, or natural geochemical variability rather than a localized, point-source release from the CCR surface impoundments.

The acidic conditions may have contributed to modest increases in dissolved cobalt and could potentially facilitate mobilization of other trace constituents if present; however, pH alone is not sufficient to identify the source of such constituents.

Overall, pH variations observed in 2025 do not indicate impacts related to the CCR surface impoundments.

Sulfate, total

During 2025, confirmed statistically significant increases (SSIs) for sulfate (GWPS = 400 mg/L) were observed at monitoring wells AP-1R, AP-3, AP-12, AP-14, AW-1, and G120.

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-1	Sulfate, total	mg/L	400	834	858	884	828
AP-3	Sulfate, total	mg/L	400	569	505	609	588
AP-12	Sulfate, total	mg/L	400	433	416	488	395
AP-14	Sulfate, total	mg/L	400	866	909	926	1040
AW-1	Sulfate, total	mg/L	400	374	388	408	403
G120	Sulfate, total	mg/L	400	548	562	569	578

Trend analyses indicate increasing sulfate concentrations at most wells (AP-1, AP-3, AP-14, AW-1, and G120), while AP-12 shows a decreasing trend.

Most wells (AP-1, AP-3, AP-14, AW-1 and G120) exhibit increasing sulfate concentrations; AP-12 shows a decreasing trend.

Sulfate closely tracks the CCR leachate signature, occurring in the same wells with elevated boron, calcium, and TDS. Its distribution follows the potentiometric flow paths and does not extend across Sugar Creek, confirming that the CCR-derived plume is contained.

Sulfate commonly originates from the dissolution of sulfate-containing minerals in CCR materials. Elevated sulfate can reduce sorption capacity for oxyanions and influence overall ionic strength. Sulfate mobility is also sensitive to redox conditions, and sulfurization/desulfurization processes are influenced by multiple hydrogeochemical factors.

The magnitude, spatial distribution, and geochemical associations of sulfate in 2025 are consistent with CCR leachate influence at wells immediately downgradient of the impoundments. No evidence was observed of sulfate exceedances beyond the monitored perimeter, including across Sugar Creek, supporting the conclusion that the CCR-derived plume remains contained.

Total Dissolved Solids

During the 2025 assessment period, confirmed statistically significant increases (SSIs) for total dissolved solids (TDS) (GWPS = 1,200 mg/L) were observed at monitoring wells AP-1R, AP-12, AP-3, AP-14, G120, and temporary assessment well T-2.

Well ID	Parameter	Units	Groundwater Protection Standard	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-1	TDS	mg/L	1200	1600	1740	1870	1590
AP-3	TDS	mg/L	1200	1150	1180	1400	1310
AP-12	TDS	mg/L	1200	1250	1190	1380	1150
AP-14	TDS	mg/L	1200	1650	1620	1940	1900
G120	TDS	mg/L	1200	1400	1340	1640	1500
T-2	TDS	mg/L	1200	1270	1550	1490	1370

Trend analyses indicate increasing TDS concentrations at wells AP-1, AP-3, AP-14, G120, and temporary well T-2, while AP-12 shows a decreasing trend.

TDS reflects the combined load of dissolved ions—including boron, calcium, sulfate, and chloride—and serves as an integrative indicator of CCR leachate impact. Elevated TDS unrelated to CCR sources is consistent with off-site influences previously documented.

The observed TDS trends corroborate the presence of a multi-ion plume associated with CCR leachate in wells immediately downgradient of the surface impoundments, while separate off-site influences are evident west of Sugar Creek.

(F) - Other information required to be included in the annual report as specified in 35 Ill. Adm. Code 845.Subpart F.

All applicable information has been provided in the narrative above.

5. CONCLUSION

The 2025 groundwater quality data support the presence of a leachate-influenced groundwater from the unlined CCR surface impoundments at CWLP Springfield. The areas of influence appear relatively stable, hydraulically contained, and confined within the monitoring network on the impoundment side of Sugar Creek. There is no clear evidence of migration across Sugar Creek or of an expanding contaminant front.

This annual groundwater monitoring and corrective action report has been provided in accordance with Section 845.550(a)(3). The next annual report for monitoring year 2025 will be provided by January 31, 2026.

6. STATEMENT

This Annual Groundwater Monitoring and Corrective Action Report for Coal Combustion Residuals Surface Impoundments was completed for CWLP by Andrews Engineering, Inc. in accordance with the requirements under 35 IAC Part 845.610(e).

Karl W. Finke, P.E.

1/28/26
Date



Lic. Exp. 11/30/27

TABLES

TABLE 1:
2025 GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE

City Water, Light and Power
Power Plant Ash Impoundment
2025 Groundwater Analytical Summary Data

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix III										
AP-1	Boron, total	mg/L	--	--	**0.14973**	--	21.7	20.8	23	21.4
AP-2	Boron, total	mg/L	--	--	**0.14973**	--	3.53	3.12	3.43	3.15
AP-3	Boron, total	mg/L	--	--	**0.14973**	--	12.1	12.9	16.5	18
AP-4	Boron, total	mg/L	--	--	**0.14973**	--	0.0913	0.0772	0.094	0.0914
AP-5	Boron, total	mg/L	--	--	**0.14973**	--	0.0435	0.0521	0.0351	0.0386
AP-6	Boron, total	mg/L	--	--	**0.14973**	--	0.228	0.407	0.278	0.272
AP-7	Boron, total	mg/L	--	--	**0.14973**	--	0.244	0.393	0.39	0.475
AP-8	Boron, total	mg/L	--	--	**0.14973**	--	0.0784	0.963	0.084	0.0821
AP-9	Boron, total	mg/L	--	--	**0.14973**	--	0.0874	0.0887	0.099	0.0985
AP-10	Boron, total	mg/L	--	--	**0.14973**	--	3.36	4.5	4.25	3.88
AP-11	Boron, total	mg/L	--	--	**0.14973**	--	0.221	0.273	0.228	0.276
AP-12	Boron, total	mg/L	--	--	**0.14973**	--	0.0217	0.0205	0.0255	0.0249
AP-13	Boron, total	mg/L	--	--	**0.14973**	--	0.0369	0.0276	0.0566	0.0257
AP-14	Boron, total	mg/L	--	--	**0.14973**	--		21.7	21.9	20.8
AW-1	Boron, total	mg/L	--	--	**0.14973**	--	8.79	8.75	9.61	9.67
RW-3	Boron, total	mg/L	--	--	**0.14973**	--	0.126	0.153	0.16	0.16
R111	Boron, total	mg/L	--	--	**0.14973**	--	3.09	3.98		
G120	Boron, total	mg/L	--	--	**0.14973**	--	7.5	8.02	7.95	8.23
T-1	Boron, total	mg/L	--	--	**0.14973**	--	0.17	0.163	0.173	0.175
T-2	Boron, total	mg/L	--	--	**0.14973**	--	0.0466	0.0507	0.0504	0.0487
T-4	Boron, total	mg/L	--	--	**0.14973**	--	0.0454	0.0577	0.0504	0.0426
T-5	Boron, total	mg/L	--	--	**0.14973**	--	0.0608	0.0671	0.0917	0.106
T-6	Boron, total	mg/L	--	--	**0.14973**	--	0.187	0.2	0.0428	0.214
AP-1	Calcium, total	mg/L	--	--	**181.6**	--	245	228	259	251
AP-2	Calcium, total	mg/L	--	--	**181.6**	--	198	183	216	213
AP-3	Calcium, total	mg/L	--	--	**181.6**	--	168	171	205	192
AP-4	Calcium, total	mg/L	--	--	**181.6**	--	113	113	124	128
AP-5	Calcium, total	mg/L	--	--	**181.6**	--	97.3	97.6	108	109
AP-6	Calcium, total	mg/L	--	--	**181.6**	--	64.4	65.1	67.3	69.8
AP-7	Calcium, total	mg/L	--	--	**181.6**	--	57.6	58.4	60.9	55.9
AP-8	Calcium, total	mg/L	--	--	**181.6**	--	91.3	97.7	102	103
AP-9	Calcium, total	mg/L	--	--	**181.6**	--	98.4	99.4	112	111
AP-10	Calcium, total	mg/L	--	--	**181.6**	--	127	143	158	141
AP-11	Calcium, total	mg/L	--	--	**181.6**	--	135	160	153	133
AP-12	Calcium, total	mg/L	--	--	**181.6**	--	197	204	226	193
AP-13	Calcium, total	mg/L	--	--	**181.6**	--	101	114	109	115
AP-14	Calcium, total	mg/L	--	--	**181.6**	--		276	277	317
AW-1	Calcium, total	mg/L	--	--	**181.6**	--	186	203	205	209
RW-3	Calcium, total	mg/L	--	--	**181.6**	--	64.5	64.9	73.9	71.1
R111	Calcium, total	mg/L	--	--	**181.6**	--	148	166		
G120	Calcium, total	mg/L	--	--	**181.6**	--	249	256	272	287
T-1	Calcium, total	mg/L	--	--	**181.6**	--	157	165	172	164
T-2	Calcium, total	mg/L	--	--	**181.6**	--	210	231	231	209
T-4	Calcium, total	mg/L	--	--	**181.6**	--	89.2	72.8	61.9	65.8
T-5	Calcium, total	mg/L	--	--	**181.6**	--	70.1	72.4	73.3	99.4
T-6	Calcium, total	mg/L	--	--	**181.6**	--	82.2	92.2	86.7	97.7

City Water, Light and Power
Power Plant Ash Impoundment
2025 Groundwater Analytical Summary Data

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix III (cont.)										
AP-1	Chloride, total	mg/L	--	--	**12.3**	--	49.3	50.1	51.8	51.8
AP-2	Chloride, total	mg/L	--	--	**12.3**	--	35.8	36.2	36	37
AP-3	Chloride, total	mg/L	--	--	**12.3**	--	61.5	61.7	71.2	70.8
AP-4	Chloride, total	mg/L	--	--	**12.3**	--	12.4	12.1	12.4	12.8
AP-5	Chloride, total	mg/L	--	--	**12.3**	--	8.4	9.13	9.5	9.78
AP-6	Chloride, total	mg/L	--	--	**12.3**	--	33	32.6	37.5	38
AP-7	Chloride, total	mg/L	--	--	**12.3**	--	51.7	81.4	69.8	88.5
AP-8	Chloride, total	mg/L	--	--	**12.3**	--	22.5	22.6	23.3	24.2
AP-9	Chloride, total	mg/L	--	--	**12.3**	--	23.5	27	24.4	25.5
AP-10	Chloride, total	mg/L	--	--	**12.3**	--	24.4	24.6	25.4	25.9
AP-11	Chloride, total	mg/L	--	--	**12.3**	--	95.1	129	127	113
AP-12	Chloride, total	mg/L	--	--	**12.3**	--	114	113	119	115
AP-13	Chloride, total	mg/L	--	--	**12.3**	--	26.8	24.7	29.4	26.3
AP-14	Chloride, total	mg/L	--	--	**12.3**	--		105	105	120
AW-1	Chloride, total	mg/L	--	--	**12.3**	--	35.4	36.8	37.2	38.2
RW-3	Chloride, total	mg/L	--	--	**12.3**	--	25.4	25	26.4	27.1
R111	Chloride, total	mg/L	--	--	**12.3**	--	169	179		
G120	Chloride, total	mg/L	--	--	**12.3**	--	35.2	35.5	36.8	38.3
T-1	Chloride, total	mg/L	--	--	**12.3**	--	220	232	233	253
T-2	Chloride, total	mg/L	--	--	**12.3**	--	500	522	509	427
T-4	Chloride, total	mg/L	--	--	**12.3**	--	< 5	< 5	< 5	< 5
T-5	Chloride, total	mg/L	--	--	**12.3**	--	< 5	< 5	< 5	< 5
T-6	Chloride, total	mg/L	--	--	**12.3**	--	18.9	20.8	11.8	19.8
AP-1	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-2	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-3	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-4	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-5	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-6	Fluoride, total	mg/L	**4**	--	0.5	--	0.54	0.58	0.53	0.53
AP-7	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	0.55	< 0.5	0.53
AP-8	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-9	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-10	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-11	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-12	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-13	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
AP-14	Fluoride, total	mg/L	**4**	--	0.5	--		< 0.5	< 0.5	< 0.5
AW-1	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
RW-3	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
R111	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5		
G120	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
T-1	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
T-2	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
T-4	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
T-5	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
T-6	Fluoride, total	mg/L	**4**	--	0.5	--	< 0.5	< 0.5	< 0.5	< 0.5

City Water, Light and Power
Power Plant Ash Impoundment
2025 Groundwater Analytical Summary Data

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix III (cont.)										
AP-1	pH	s.u.	--	--	6.7 - 7.87	--	6.55	6.42	6.42	4.86
AP-2	pH	s.u.	--	--	6.7 - 7.87	--	6.44	6.45	6.3	4.55
AP-3	pH	s.u.	--	--	6.7 - 7.87	--	6.54	6.53	6.36	4.93
AP-4	pH	s.u.	--	--	6.7 - 7.87	--	6.78	6.69	6.64	6.76
AP-5	pH	s.u.	--	--	6.7 - 7.87	--	6.83	6.67	6.64	6.83
AP-6	pH	s.u.	--	--	6.7 - 7.87	--	7.21	7	6.89	7.06
AP-7	pH	s.u.	--	--	6.7 - 7.87	--	7.38	7.14	7.12	7.06
AP-8	pH	s.u.	--	--	6.7 - 7.87	--	6.89	6.78	6.71	6.11
AP-9	pH	s.u.	--	--	6.7 - 7.87	--	7.02	6.79	6.57	6.57
AP-10	pH	s.u.	--	--	6.7 - 7.87	--	6.67	6.63	6.52	5.37
AP-11	pH	s.u.	--	--	6.7 - 7.87	--	6.4	6.53	6.34	4.79
AP-12	pH	s.u.	--	--	6.7 - 7.87	--	6.55	6.5	6.38	4.74
AP-13	pH	s.u.	--	--	6.7 - 7.87	--	6.69	6.68	6.43	5.22
AP-14	pH	s.u.	--	--	6.7 - 7.87	--		7.02	6.71	6.24
AW-1	pH	s.u.	--	--	6.7 - 7.87	--	6.64	6.96	6.58	6.62
RW-3	pH	s.u.	--	--	6.7 - 7.87	--	7.1	7.03	6.92	7.09
R111	pH	s.u.	--	--	6.7 - 7.87	--	6.86	6.71	6.9	6.92
G120	pH	s.u.	--	--	6.7 - 7.87	--	6.66	6.57	6.67	6.67
T-1	pH	s.u.	--	--	6.7 - 7.87	--	6.59	6.58	6.46	4.54
T-2	pH	s.u.	--	--	6.7 - 7.87	--	6.53	6.55	6.51	4.89
T-4	pH	s.u.	--	--	6.7 - 7.87	--	6.64	6.63	6.6	6.43
T-5	pH	s.u.	--	--	6.7 - 7.87	--	6.72	6.77	6.8	6.64
T-6	pH	s.u.	--	--	6.7 - 7.87	--	7.3	7	7.16	6.76
AP-1	Sulfate, total	mg/L	--	--	**55.5**	--	834	858	884	828
AP-2	Sulfate, total	mg/L	--	--	**55.5**	--	397	367	422	389
AP-3	Sulfate, total	mg/L	--	--	**55.5**	--	569	505	609	588
AP-4	Sulfate, total	mg/L	--	--	**55.5**	--	< 10	< 10	< 10	< 10
AP-5	Sulfate, total	mg/L	--	--	**55.5**	--	59.7	63.6	69.1	70.9
AP-6	Sulfate, total	mg/L	--	--	**55.5**	--	< 10	< 10	< 10	< 10
AP-7	Sulfate, total	mg/L	--	--	**55.5**	--	11.6	< 10	< 10	< 10
AP-8	Sulfate, total	mg/L	--	--	**55.5**	--	< 10	< 10	< 10	< 10
AP-9	Sulfate, total	mg/L	--	--	**55.5**	--	16.1	17.9	15.9	15.5
AP-10	Sulfate, total	mg/L	--	--	**55.5**	--	84.4	94.9	96.7	90.8
AP-11	Sulfate, total	mg/L	--	--	**55.5**	--	65.5	84.6	85.7	68.9
AP-12	Sulfate, total	mg/L	--	--	**55.5**	--	433	416	488	395
AP-13	Sulfate, total	mg/L	--	--	**55.5**	--	94.5	124	104	120
AP-14	Sulfate, total	mg/L	--	--	**55.5**	--		909	926	1040
AW-1	Sulfate, total	mg/L	--	--	**55.5**	--	374	388	408	403
RW-3	Sulfate, total	mg/L	--	--	**55.5**	--	< 10	< 10	< 10	< 10
R111	Sulfate, total	mg/L	--	--	**55.5**	--	24.7	28.5		
G120	Sulfate, total	mg/L	--	--	**55.5**	--	548	562	569	578
T-1	Sulfate, total	mg/L	--	--	**55.5**	--	163	148	151	169
T-2	Sulfate, total	mg/L	--	--	**55.5**	--	135	143	136	90
T-4	Sulfate, total	mg/L	--	--	**55.5**	--	121	101	76.7	77.9
T-5	Sulfate, total	mg/L	--	--	**55.5**	--	40.7	35.4	31.3	87.4
T-6	Sulfate, total	mg/L	--	--	**55.5**	--	< 10	< 10	15.5	< 10

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix III (cont.)										
AP-1	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1600	1740	1870	1590
AP-2	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1070	1100	1280	1190
AP-3	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1150	1180	1400	1310
AP-4	Total Dissolved Solids	mg/L	--	--	**609.21**	--	508	528	574	532
AP-5	Total Dissolved Solids	mg/L	--	--	**609.21**	--	474	514	568	498
AP-6	Total Dissolved Solids	mg/L	--	--	**609.21**	--	398	432	482	450
AP-7	Total Dissolved Solids	mg/L	--	--	**609.21**	--	430	652	514	522
AP-8	Total Dissolved Solids	mg/L	--	--	**609.21**	--	548	580	580	550
AP-9	Total Dissolved Solids	mg/L	--	--	**609.21**	--	880	681	638	614
AP-10	Total Dissolved Solids	mg/L	--	--	**609.21**	--	788	820	834	834
AP-11	Total Dissolved Solids	mg/L	--	--	**609.21**	--	740	784	756	694
AP-12	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1250	1190	1380	1150
AP-13	Total Dissolved Solids	mg/L	--	--	**609.21**	--	620	595	630	580
AP-14	Total Dissolved Solids	mg/L	--	--	**609.21**	--		1620	1940	1900
AW-1	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1110	1190	1250	1190
RW-3	Total Dissolved Solids	mg/L	--	--	**609.21**	--	372	385	440	454
R111	Total Dissolved Solids	mg/L	--	--	**609.21**	--	725	770	912	986
G120	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1400	1340	1640	1530
T-1	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1010	962	950	1020
T-2	Total Dissolved Solids	mg/L	--	--	**609.21**	--	1270	1550	1490	1370
T-4	Total Dissolved Solids	mg/L	--	--	**609.21**	--	472	478	370	372
T-5	Total Dissolved Solids	mg/L	--	--	**609.21**	--	374	428	392	496
T-6	Total Dissolved Solids	mg/L	--	--	**609.21**	--	530	570	412	558

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV										
AP-1	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-2	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	0.0021
AP-3	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	0.0015
AP-4	Antimony, total	mg/L	**0.006**	--	0.001	--	0.0014	< 0.001	< 0.001	< 0.001
AP-5	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-6	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-7	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-8	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-9	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-10	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	0.0011
AP-11	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-12	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-13	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-14	Antimony, total	mg/L	**0.006**	--	0.001	--		< 0.001	< 0.001	< 0.001
AW-1	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
RW-3	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	0.0039
R111	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001		
G120	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
T-1	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
T-2	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
T-4	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
T-5	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
T-6	Antimony, total	mg/L	**0.006**	--	0.001	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-1	Arsenic, total	mg/L	0.01	--	**0.0239**	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-2	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0022	0.0013	0.0014	0.0014
AP-3	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0137	0.0103	0.016	0.0135
AP-4	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.021	0.0223	0.0248	0.0219
AP-5	Arsenic, total	mg/L	0.01	--	**0.0239**	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-6	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.012	0.0037	0.0068	0.0112
AP-7	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0248	0.0289	0.0289	0.0182
AP-8	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0487	0.0446	0.0389	0.0372
AP-9	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0023	0.0014	0.0013	0.0016
AP-10	Arsenic, total	mg/L	0.01	--	**0.0239**	--	< 0.001	0.0015	0.0012	< 0.001
AP-11	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0015	< 0.001	< 0.001	< 0.001
AP-12	Arsenic, total	mg/L	0.01	--	**0.0239**	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-13	Arsenic, total	mg/L	0.01	--	**0.0239**	--	< 0.001	0.0032	0.002	0.0018
AP-14	Arsenic, total	mg/L	0.01	--	**0.0239**	--		0.0017	0.0011	0.0017
AW-1	Arsenic, total	mg/L	0.01	--	0.0239	**0.24962**	0.146	0.0016	0.0098	0.13
RW-3	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0961	0.0808	0.103	0.108
R111	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0156	0.0215		
G120	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0113	0.0114	0.0115	0.0128
T-1	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0023	< 0.001	0.0016	< 0.001
T-2	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0073	0.0056	0.0068	0.0073
T-4	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0049	0.0039	0.0038	0.003
T-5	Arsenic, total	mg/L	0.01	--	**0.0239**	--	< 0.001	< 0.001	0.0014	0.0022
T-6	Arsenic, total	mg/L	0.01	--	**0.0239**	--	0.0037	0.0195	0.0086	0.0145

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV (cont.)										
AP-1	Barium, total	mg/L	**2**	--	0.51918	--	0.307	0.262	0.276	0.248
AP-2	Barium, total	mg/L	**2**	--	0.51918	--	0.071	0.0654	0.0736	0.0749
AP-3	Barium, total	mg/L	**2**	--	0.51918	--	0.12	0.106	0.121	0.117
AP-4	Barium, total	mg/L	**2**	--	0.51918	--	0.378	0.434	0.413	0.417
AP-5	Barium, total	mg/L	**2**	--	0.51918	--	0.0532	0.0571	0.0595	0.0604
AP-6	Barium, total	mg/L	**2**	--	0.51918	--	0.137	0.154	0.168	0.199
AP-7	Barium, total	mg/L	**2**	--	0.51918	--	0.105	0.137	0.143	0.152
AP-8	Barium, total	mg/L	**2**	--	0.51918	--	0.355	0.415	0.394	0.373
AP-9	Barium, total	mg/L	**2**	--	0.51918	--	0.431	0.322	0.492	0.437
AP-10	Barium, total	mg/L	**2**	--	0.51918	--	0.565	0.765	0.675	0.601
AP-11	Barium, total	mg/L	**2**	--	0.51918	--	0.134	0.14	0.152	0.12
AP-12	Barium, total	mg/L	**2**	--	0.51918	--	0.045	0.0575	0.0561	0.0525
AP-13	Barium, total	mg/L	**2**	--	0.51918	--	0.118	0.127	0.142	0.12
AP-14	Barium, total	mg/L	**2**	--	0.51918	--		0.0384	0.0463	0.0486
AW-1	Barium, total	mg/L	**2**	--	0.51918	--	0.486	0.079	0.105	0.218
RW-3	Barium, total	mg/L	**2**	--	0.51918	--	0.136	0.142	0.169	0.167
R111	Barium, total	mg/L	**2**	--	0.51918	--	0.586	0.696		
G120	Barium, total	mg/L	**2**	--	0.51918	--	0.708	0.842	0.769	1.35
T-1	Barium, total	mg/L	**2**	--	0.51918	--	0.0691	0.0586	0.0747	0.0621
T-2	Barium, total	mg/L	**2**	--	0.51918	--	0.217	0.226	0.232	0.193
T-4	Barium, total	mg/L	**2**	--	0.51918	--	0.05	0.0345	0.0456	0.0382
T-5	Barium, total	mg/L	**2**	--	0.51918	--	0.0535	0.0567	0.0658	0.0762
T-6	Barium, total	mg/L	**2**	--	0.51918	--	0.166	0.279	0.116	0.305
AP-1	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-2	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-3	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-4	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-5	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	0.0006	< 0.0005
AP-6	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-7	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-8	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-9	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-10	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-11	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-12	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-13	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
AP-14	Beryllium, total	mg/L	**0.004**	--	0.0025	--		< 0.0005	< 0.0005	< 0.0005
AW-1	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
RW-3	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
R111	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005		
G120	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	0.0009	< 0.0005	0.0006
T-1	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
T-2	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	0.0005	< 0.0005	< 0.0005
T-4	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
T-5	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005
T-6	Beryllium, total	mg/L	**0.004**	--	0.0025	--	< 0.0005	< 0.0005	< 0.0005	< 0.0005

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV (cont.)										
AP-1	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-2	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-3	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-4	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-5	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-6	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-7	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-8	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-9	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-10	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-11	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-12	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-13	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-14	Cadmium, total	mg/L	**0.005**	--	0.0025	--		< 0.002	< 0.002	< 0.002
AW-1	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
RW-3	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
R111	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002		
G120	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	0.002
T-1	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
T-2	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
T-4	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
T-5	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
T-6	Cadmium, total	mg/L	**0.005**	--	0.0025	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-1	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-2	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-3	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-4	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	0.0081	0.0051	< 0.005
AP-5	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-6	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-7	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-8	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-9	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-10	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-11	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-12	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-13	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-14	Chromium, total	mg/L	**0.1**	--	0.0653	--		< 0.005	< 0.005	< 0.005
AW-1	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
RW-3	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
R111	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005		
G120	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
T-1	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
T-2	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
T-4	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
T-5	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005
T-6	Chromium, total	mg/L	**0.1**	--	0.0653	--	< 0.005	< 0.005	< 0.005	< 0.005

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV (cont.)										
AP-1	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-2	Cobalt, total	mg/L	--	**0.006**	0.0052	--	0.014	0.0095	0.0127	0.0078
AP-3	Cobalt, total	mg/L	--	**0.006**	0.0052	--	0.0057	0.0081	0.0076	< 0.005
AP-4	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	0.0083	0.0075	0.0067
AP-5	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-6	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-7	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-8	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-9	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-10	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-11	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-12	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-13	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-14	Cobalt, total	mg/L	--	**0.006**	0.0052	--		< 0.005	< 0.005	< 0.005
AW-1	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
RW-3	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
R111	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005		
G120	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	0.0058	< 0.005	0.0051
T-1	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	0.0055	0.0063	< 0.005
T-2	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	0.0062	< 0.005
T-4	Cobalt, total	mg/L	--	**0.006**	0.0052	--	0.0052	< 0.005	< 0.005	< 0.005
T-5	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
T-6	Cobalt, total	mg/L	--	**0.006**	0.0052	--	< 0.005	< 0.005	< 0.005	< 0.005
AP-1	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-2	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-3	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-4	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-5	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-6	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	0.023	< 0.0075	< 0.0075
AP-7	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-8	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	0.132	< 0.0075	< 0.0075
AP-9	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-10	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	0.0621	< 0.0075	< 0.0075
AP-11	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-12	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-13	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
AP-14	Lead, total	mg/L	--	**0.015**	0.0075	--		< 0.0075	< 0.0075	< 0.0075
AW-1	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
RW-3	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
R111	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.001		
G120	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	0.0301	< 0.0075	< 0.0075
T-1	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
T-2	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
T-4	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
T-5	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075
T-6	Lead, total	mg/L	--	**0.015**	0.0075	--	< 0.0075	< 0.0075	< 0.0075	< 0.0075

City Water, Light and Power
Power Plant Ash Impoundment
2025 Groundwater Analytical Summary Data

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV (cont.)										
AP-1	Lithium	mg/L	--	**0.04**	0.0124	--	0.0105	0.0102	0.0114	0.0086
AP-2	Lithium	mg/L	--	**0.04**	0.0124	--	0.006	0.0059	0.0087	0.0061
AP-3	Lithium	mg/L	--	**0.04**	0.0124	--	0.0052	0.0046	0.0078	0.0062
AP-4	Lithium	mg/L	--	**0.04**	0.0124	--	0.0087	0.0117	0.0127	0.009
AP-5	Lithium	mg/L	--	**0.04**	0.0124	--	0.0043	0.0044	0.0061	0.0041
AP-6	Lithium	mg/L	--	**0.04**	0.0124	--	0.0063	0.0073	0.0092	0.0075
AP-7	Lithium	mg/L	--	**0.04**	0.0124	--	0.0056	0.0106	0.0091	0.0103
AP-8	Lithium	mg/L	--	**0.04**	0.0124	--	0.008	0.0072	0.0066	0.0065
AP-9	Lithium	mg/L	--	**0.04**	0.0124	--	0.0064	0.0064	0.0057	0.0059
AP-10	Lithium	mg/L	--	**0.04**	0.0124	--	0.0082	0.0107	0.0092	0.0082
AP-11	Lithium	mg/L	--	**0.04**	0.0124	--	0.004	0.0034	0.0057	0.0049
AP-12	Lithium	mg/L	--	**0.04**	0.0124	--	0.0057	0.0056	0.006	0.0062
AP-13	Lithium	mg/L	--	**0.04**	0.0124	--	0.0088	0.0107	0.011	0.0114
AP-14	Lithium	mg/L	--	**0.04**	0.0124	--		0.0073	0.0068	0.008
AW-1	Lithium	mg/L	--	**0.04**	0.0124	--	0.0108	0.0101	0.0112	0.0105
RW-3	Lithium	mg/L	--	**0.04**	0.0124	--	0.0047	0.0051	0.008	0.0057
R111	Lithium	mg/L	--	**0.04**	0.0124	--	0.0055			
G120	Lithium	mg/L	--	**0.04**	0.0124	--	0.0076	0.0084	0.0073	0.0095
T-1	Lithium	mg/L	--	**0.04**	0.0124	--	0.0142	0.0142	0.0177	0.0176
T-2	Lithium	mg/L	--	**0.04**	0.0124	--	0.0314	0.032	0.0342	0.031
T-4	Lithium	mg/L	--	**0.04**	0.0124	--	0.0147	0.0158	0.013	0.0136
T-5	Lithium	mg/L	--	**0.04**	0.0124	--	0.0101	0.0089	0.0103	0.0155
T-6	Lithium	mg/L	--	**0.04**	0.0124	--	0.0098	0.0138	0.0066	0.0105
AP-1	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-2	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-3	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-4	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-5	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-6	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-7	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-8	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-9	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-10	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-11	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-12	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-13	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
AP-14	Mercury, total	mg/L	**0.002**	--	0.0005	--		< 0.0002	< 0.0002	< 0.0002
AW-1	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
RW-3	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
R111	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002		
G120	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
T-1	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
T-2	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
T-4	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
T-5	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002
T-6	Mercury, total	mg/L	**0.002**	--	0.0005	--	< 0.0002	< 0.0002	< 0.0002	< 0.0002

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV (cont.)										
AP-1	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-2	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-3	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-4	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-5	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-6	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-7	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-8	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-9	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-10	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-11	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-12	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-13	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-14	Molybdenum, total	mg/L	--	**0.1**	0.025	--		< 0.01	< 0.01	< 0.01
AW-1	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
RW-3	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
R111	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01			
G120	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
T-1	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
T-2	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
T-4	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
T-5	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
T-6	Molybdenum, total	mg/L	--	**0.1**	0.025	--	< 0.01	< 0.01	< 0.01	< 0.01
AP-1	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		0.914	< 2	< 2
AP-2	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.318	< 2	< 2
AP-3	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0	< 2	< 2
AP-4	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		1.871	< 2	< 2
AP-5	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.106	< 2	< 2
AP-6	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.279	< 2	< 2
AP-7	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		1.19	< 2	< 2
AP-8	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		2.013	< 2	< 2
AP-9	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.454	< 2	< 2
AP-10	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		2.26	< 2	< 2
AP-11	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		1.299	< 2	< 2
AP-12	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.578	< 2	< 2
AP-13	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		1.114	< 2	< 2
AP-14	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.427	< 2	< 2
AW-1	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		0.5191	< 2	< 2
RW-3	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		1.028	< 2	< 2
G120	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		2.83	< 2	5.9
T-1	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.769	< 2	< 2
T-2	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		0.767	< 2	< 2
T-4	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		0.475	< 2	< 2
T-5	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		< 0.466	< 2	< 2
T-6	Radium-226 + Radium-228	pCi/L	**5**	--	3.79	--		1.974	< 2	< 2

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Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	Intrawell Value	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix IV (cont.)										
AP-1	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-2	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-3	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-4	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-5	Selenium, total	mg/L	**0.05**	--	0.025	--	0.0011	< 0.001	< 0.001	< 0.001
AP-6	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-7	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-8	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-9	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-10	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-11	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	0.0049	< 0.001	< 0.001
AP-12	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-13	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-14	Selenium, total	mg/L	**0.05**	--	0.025	--		< 0.001	< 0.001	< 0.001
AW-1	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
RW-3	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
R111	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.04		
G120	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
T-1	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
T-2	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
T-4	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
T-5	Selenium, total	mg/L	**0.05**	--	0.025	--	0.0012	< 0.001	< 0.001	< 0.001
T-6	Selenium, total	mg/L	**0.05**	--	0.025	--	< 0.001	< 0.001	< 0.001	< 0.001
AP-1	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-2	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-3	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-4	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-5	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-6	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-7	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-8	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-9	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-10	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-11	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-12	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	0.0027
AP-13	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
AP-14	Thallium, total	mg/L	**0.002**	--	**0.002**	--		< 0.002	< 0.002	< 0.002
AW-1	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
RW-3	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
R111	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002		
G120	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
T-1	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
T-2	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
T-4	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
T-5	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002
T-6	Thallium, total	mg/L	**0.002**	--	**0.002**	--	< 0.002	< 0.002	< 0.002	< 0.002

Notes:

1. A shaded value indicates an exceedance of the higher of the MCL and the Background. The comparison value that was used is in bold font.

2. The 40 CFR 257 list requires Radium-226 and Radium-228 combined. The established MCL is for the combined parameters. However, these parameters require two separate analysis and have been reported separately by the analytical laboratory. The sum of the values has been provided and compared to the MCL. Background values have been calculated for the individual parameters (Radium-226 = 1.41 pCi/L and Radium-228 =2.38 pCi/L).

TABLE 2:
2025 GROUNDWATER ANALYTICAL RESULTS EXCEEDANCE SUMMARY TABLE

City Water, Light and Power
Power Plant Ash Impoundment
2025 Groundwater Exceedances

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2025-Q1	2025-Q2	2025-Q3	2025-Q4
Appendix III									
AP-1	Boron, total	mg/L	--	--	**0.14973**	21.7	20.8	23	21.4
AP-2	Boron, total	mg/L	--	--	**0.14973**	3.53	3.12	3.43	3.15
AP-3	Boron, total	mg/L	--	--	**0.14973**	12.1	12.9	16.5	18
AP-6	Boron, total	mg/L	--	--	**0.14973**	0.228	0.407	0.278	0.272
AP-7	Boron, total	mg/L	--	--	**0.14973**	0.244	0.393	0.39	0.475
AP-8	Boron, total	mg/L	--	--	**0.14973**	0.0784	0.963	0.084	0.0821
AP-10	Boron, total	mg/L	--	--	**0.14973**	3.36	4.5	4.25	3.88
AP-11	Boron, total	mg/L	--	--	**0.14973**	0.221	0.273	0.228	0.276
AP-14	Boron, total	mg/L	--	--	**0.14973**		21.7	21.9	20.8
AW-1	Boron, total	mg/L	--	--	**0.14973**	8.79	8.75	9.61	9.67
RW-3	Boron, total	mg/L	--	--	**0.14973**	0.126	0.153	0.16	0.16
R111	Boron, total	mg/L	--	--	**0.14973**	3.09	3.98		
G120	Boron, total	mg/L	--	--	**0.14973**	7.5	8.02	7.95	8.23
T-1	Boron, total	mg/L	--	--	**0.14973**	0.17	0.163	0.173	0.175
T-6	Boron, total	mg/L	--	--	**0.14973**	0.187	0.2	0.0428	0.214
AP-1	Calcium, total	mg/L	--	--	**181.6**	245	228	259	251
AP-2	Calcium, total	mg/L	--	--	**181.6**	198	183	216	213
AP-3	Calcium, total	mg/L	--	--	**181.6**	168	171	205	192
AP-12	Calcium, total	mg/L	--	--	**181.6**	197	204	226	193
AP-14	Calcium, total	mg/L	--	--	**181.6**		276	277	317
AW-1	Calcium, total	mg/L	--	--	**181.6**	186	203	205	209
G120	Calcium, total	mg/L	--	--	**181.6**	249	256	272	287
T-2	Calcium, total	mg/L	--	--	**181.6**	210	231	231	209
AP-1	Chloride, total	mg/L	--	--	**12.3**	49.3	50.1	51.8	51.8
AP-2	Chloride, total	mg/L	--	--	**12.3**	35.8	36.2	36	37
AP-3	Chloride, total	mg/L	--	--	**12.3**	61.5	61.7	71.2	70.8
AP-4	Chloride, total	mg/L	--	--	**12.3**	12.4	12.1	12.4	12.8
AP-6	Chloride, total	mg/L	--	--	**12.3**	33	32.6	37.5	38
AP-7	Chloride, total	mg/L	--	--	**12.3**	51.7	81.4	69.8	88.5
AP-8	Chloride, total	mg/L	--	--	**12.3**	22.5	22.6	23.3	24.2
AP-9	Chloride, total	mg/L	--	--	**12.3**	23.5	27	24.4	25.5
AP-10	Chloride, total	mg/L	--	--	**12.3**	24.4	24.6	25.4	25.9
AP-11	Chloride, total	mg/L	--	--	**12.3**	95.1	129	127	113
AP-12	Chloride, total	mg/L	--	--	**12.3**	114	113	119	115
AP-13	Chloride, total	mg/L	--	--	**12.3**	26.8	24.7	29.4	26.3
AP-14	Chloride, total	mg/L	--	--	**12.3**		105	105	120
AW-1	Chloride, total	mg/L	--	--	**12.3**	35.4	36.8	37.2	38.2
RW-3	Chloride, total	mg/L	--	--	**12.3**	25.4	25	26.4	27.1
R111	Chloride, total	mg/L	--	--	**12.3**	169	179		
G120	Chloride, total	mg/L	--	--	**12.3**	35.2	35.5	36.8	38.3
T-1	Chloride, total	mg/L	--	--	**12.3**	220	232	233	253
T-2	Chloride, total	mg/L	--	--	**12.3**	500	522	509	427
T-6	Chloride, total	mg/L	--	--	**12.3**	18.9	20.8	11.8	19.8
AP-1	pH	s.u.	--	--	6.7 - 7.87	6.55	6.42	6.42	4.86
AP-2	pH	s.u.	--	--	6.7 - 7.87	6.44	6.45	6.3	4.55
AP-3	pH	s.u.	--	--	6.7 - 7.87	6.54	6.53	6.36	4.93
AP-4	pH	s.u.	--	--	6.7 - 7.87	6.78	6.69	6.64	6.76
AP-5	pH	s.u.	--	--	6.7 - 7.87	6.83	6.67	6.64	6.83
AP-8	pH	s.u.	--	--	6.7 - 7.87	6.89	6.78	6.71	6.11
AP-9	pH	s.u.	--	--	6.7 - 7.87	7.02	6.79	6.57	6.57
AP-10	pH	s.u.	--	--	6.7 - 7.87	6.67	6.63	6.52	5.37
AP-11	pH	s.u.	--	--	6.7 - 7.87	6.4	6.53	6.34	4.79
AP-12	pH	s.u.	--	--	6.7 - 7.87	6.55	6.5	6.38	4.74
AP-13	pH	s.u.	--	--	6.7 - 7.87	6.69	6.68	6.43	5.22
AP-14	pH	s.u.	--	--	6.7 - 7.87		7.02	6.71	6.24
AW-1	pH	s.u.	--	--	6.7 - 7.87	6.64	6.96	6.58	6.62
G120	pH	s.u.	--	--	6.7 - 7.87	6.66	6.57	6.67	6.67
T-1	pH	s.u.	--	--	6.7 - 7.87	6.59	6.58	6.46	4.54
T-2	pH	s.u.	--	--	6.7 - 7.87	6.53	6.55	6.51	4.89
T-4	pH	s.u.	--	--	6.7 - 7.87	6.64	6.63	6.6	6.43
T-5	pH	s.u.	--	--	6.7 - 7.87	6.72	6.77	6.8	6.64

City Water, Light and Power
Power Plant Ash Impoundment
2025 Groundwater Exceedances

Well ID	Parameter	Units	40 CFR 257.95(h)	40 CFR 141	Background	2025-Q1	2025-Q2	2025-Q3	2025-Q4
AP-1	Sulfate, total	mg/L	--	--	**55.5**	834	858	884	828
AP-2	Sulfate, total	mg/L	--	--	**55.5**	397	367	422	389
AP-3	Sulfate, total	mg/L	--	--	**55.5**	569	505	609	588
AP-5	Sulfate, total	mg/L	--	--	**55.5**	59.7	63.6	69.1	70.9
AP-10	Sulfate, total	mg/L	--	--	**55.5**	84.4	94.9	96.7	90.8
AP-11	Sulfate, total	mg/L	--	--	**55.5**	65.5	84.6	85.7	68.9
AP-12	Sulfate, total	mg/L	--	--	**55.5**	433	416	488	395
AP-13	Sulfate, total	mg/L	--	--	**55.5**	94.5	124	104	120
AP-14	Sulfate, total	mg/L	--	--	**55.5**		909	926	1040
AW-1	Sulfate, total	mg/L	--	--	**55.5**	374	388	408	403
G120	Sulfate, total	mg/L	--	--	**55.5**	548	562	569	578
T-1	Sulfate, total	mg/L	--	--	**55.5**	163	148	151	169
T-2	Sulfate, total	mg/L	--	--	**55.5**	135	143	136	90
T-4	Sulfate, total	mg/L	--	--	**55.5**	121	101	76.7	77.9
T-5	Sulfate, total	mg/L	--	--	**55.5**	40.7	35.4	31.3	87.4
AP-1	Total Dissolved Solids	mg/L	--	--	**609.21**	1600	1740	1870	1590
AP-2	Total Dissolved Solids	mg/L	--	--	**609.21**	1070	1100	1280	1190
AP-3	Total Dissolved Solids	mg/L	--	--	**609.21**	1150	1180	1400	1310
AP-7	Total Dissolved Solids	mg/L	--	--	**609.21**	430	652	514	522
AP-9	Total Dissolved Solids	mg/L	--	--	**609.21**	880	681	638	614
AP-10	Total Dissolved Solids	mg/L	--	--	**609.21**	788	820	834	834
AP-11	Total Dissolved Solids	mg/L	--	--	**609.21**	740	784	756	694
AP-12	Total Dissolved Solids	mg/L	--	--	**609.21**	1250	1190	1380	1150
AP-13	Total Dissolved Solids	mg/L	--	--	**609.21**	620	595	630	580
AP-14	Total Dissolved Solids	mg/L	--	--	**609.21**		1620	1940	1900
AW-1	Total Dissolved Solids	mg/L	--	--	**609.21**	1110	1190	1250	1190
R111	Total Dissolved Solids	mg/L	--	--	**609.21**	725	770	912	986
G120	Total Dissolved Solids	mg/L	--	--	**609.21**	1400	1340	1640	1530
T-1	Total Dissolved Solids	mg/L	--	--	**609.21**	1010	962	950	1020
T-2	Total Dissolved Solids	mg/L	--	--	**609.21**	1270	1550	1490	1370
Appendix IV									
AP-4	Arsenic, total	mg/L	0.01	--	**0.0239**	0.021	0.0223	0.0248	0.0219
AP-7	Arsenic, total	mg/L	0.01	--	**0.0239**	0.0248	0.0289	0.0289	0.0182
AP-8	Arsenic, total	mg/L	0.01	--	**0.0239**	0.0487	0.0446	0.0389	0.0372
RW-3	Arsenic, total	mg/L	0.01	--	**0.0239**	0.0961	0.0808	0.103	0.108
AP-2	Cobalt, total	mg/L	--	**0.006**	0.0052	0.014	0.0095	0.0127	0.0078
AP-3	Cobalt, total	mg/L	--	**0.006**	0.0052	0.0057	0.0081	0.0076	< 0.005
AP-4	Cobalt, total	mg/L	--	**0.006**	0.0052	< 0.005	0.0083	0.0075	0.0067
T-1	Cobalt, total	mg/L	--	**0.006**	0.0052	< 0.005	0.0055	0.0063	< 0.005
T-2	Cobalt, total	mg/L	--	**0.006**	0.0052	< 0.005	< 0.005	0.0062	< 0.005
AP-6	Lead, total	mg/L	--	**0.015**	0.0075	< 0.0075	0.023	< 0.0075	< 0.0075
AP-8	Lead, total	mg/L	--	**0.015**	0.0075	< 0.0075	0.132	< 0.0075	< 0.0075
AP-10	Lead, total	mg/L	--	**0.015**	0.0075	< 0.0075	0.0621	< 0.0075	< 0.0075
G120	Lead, total	mg/L	--	**0.015**	0.0075	< 0.0075	0.0301	< 0.0075	< 0.0075
G120	Radium-226 + Radium-228	pCi/L	**5**	--	3.79		2.83	< 2	5.9
AP-12	Thallium, total	mg/L	**0.002**	--	**0.002**	< 0.002	< 0.002	< 0.002	0.0027

Notes:

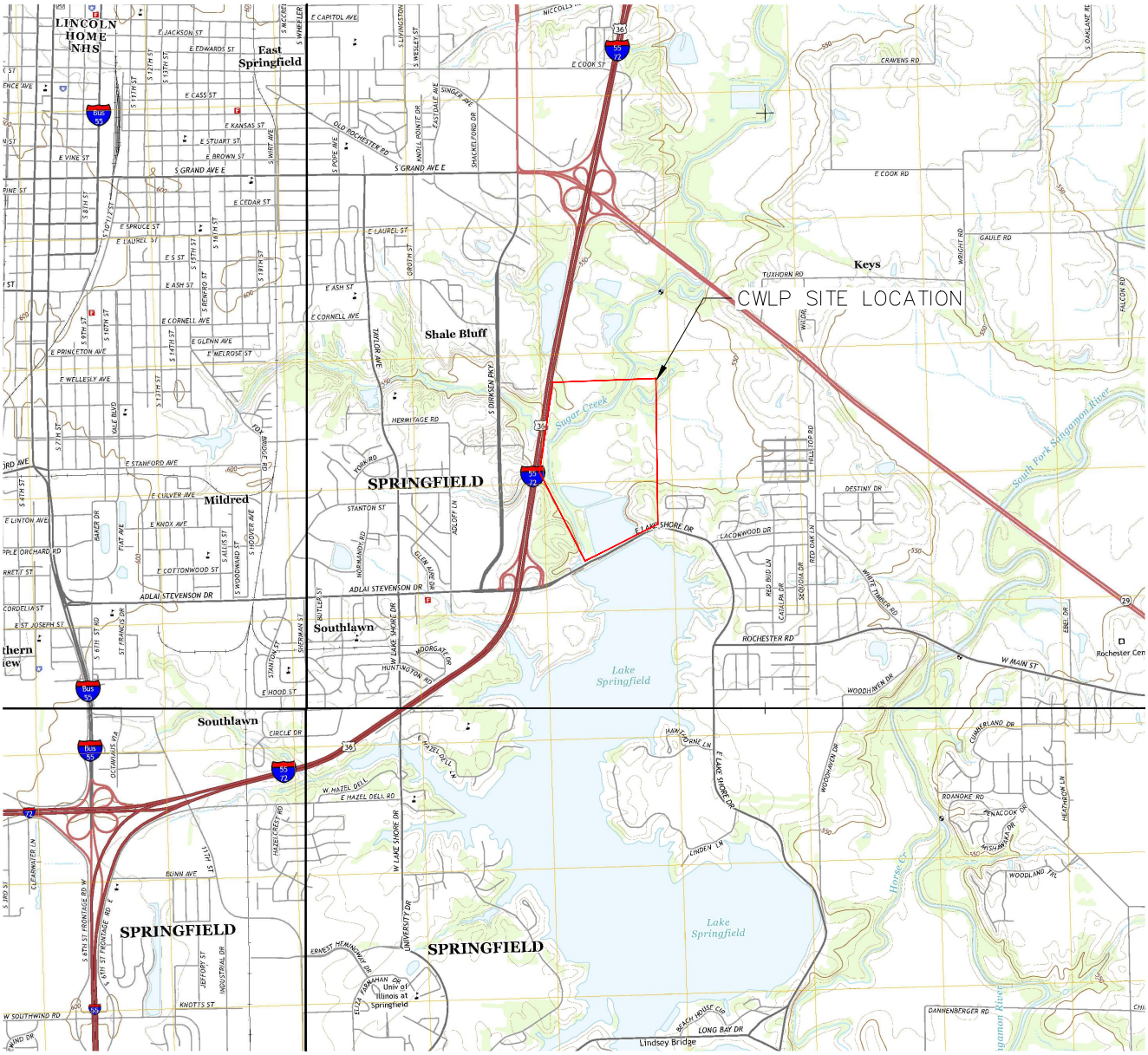
1. A shaded value indicates an exceedance of the higher of the MCL and the Background. The comparison value that was used is in bold font.

2. The 40 CFR 257 list requires Radium-226 and Radium-228 combined. The established MCL is for the combined parameters. However, these parameters require two separate analysis and have been reported separately by the analytical laboratory. The sum of the values has been provided and compared to the MCL. Background values have been calculated for the individual parameters (Radium-226 = 1.41 pCi/L and Radium-228 =2.38 pCi/L).

3. * An intrawell value of 0.2496 mg/L has been proposed for total arsenic at well AW-1 in pending application Log No. 2024-415.

FIGURES

J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2025\Annual Consolidation Report\Site Map.dwg Tab: Layout1





N

0 200 4000 8000

SCALE: IN FEET

NOTE:
BACKGROUND IMAGE COURTESY OF UNITED STATES GEOLOGICAL SURVEY.

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PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

SITE LOCATION

PLANS PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

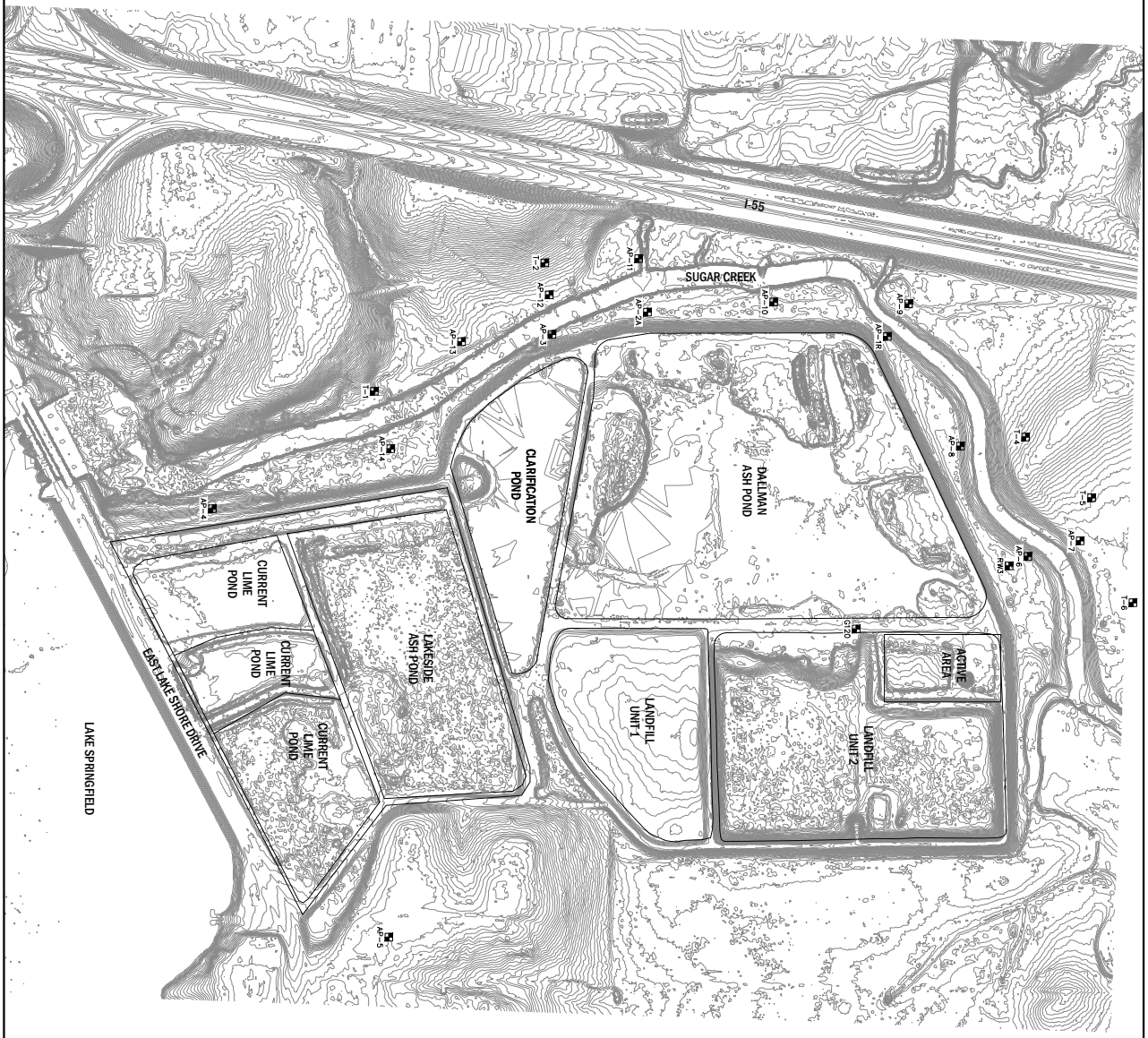
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SHEET NUMBER:

FIG. 1

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SC_039



NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: MAY 16, 2023).

LEGEND

MONITORING WELL

FIG. 2

SITE DETAILS MAP

PREPARED FOR

CITY WATER, LIGHT, AND POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289.0005

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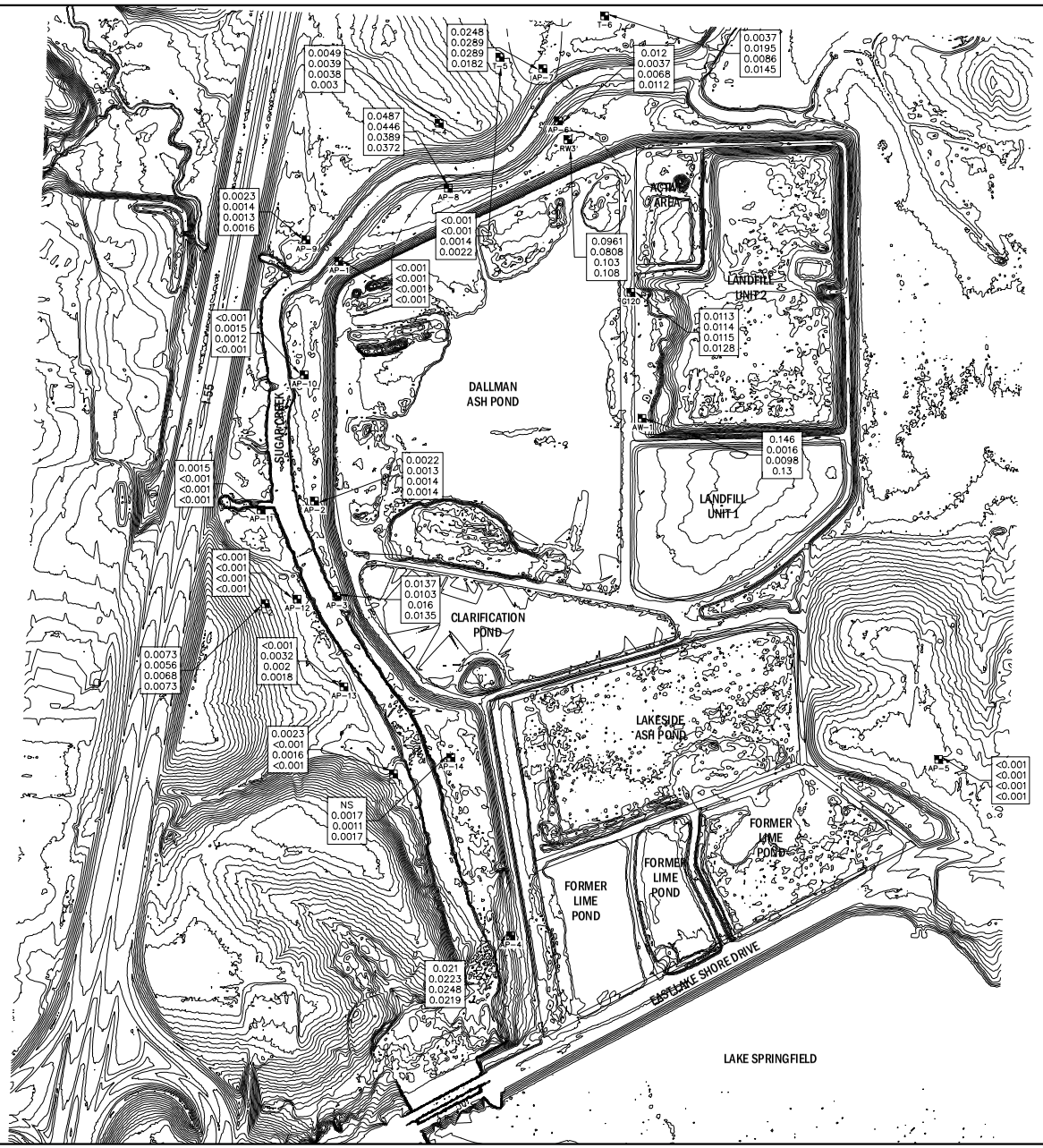
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APPENDIX A:
2025 GWPS EXCEEDANCE MAPS



LEGEND

- MONITORING WELL
- DATA CALLOUTS
  - Q1 – 02/20/2025
  - Q2 – 05/27/2025
  - Q3 – 08/12/2025
  - Q4 – 11/13/2025
- GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. ARSENIC, TOTAL: GWPS = 0.0239 mg/L
3. NS = NOT SAMPLED

N

0 200 400 800

SCALE: IN FEET

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APPROVED BY: BJH | DESIGNED BY: JSV | DRAWN BY: BCK

ARSENIC GW EXCEEDANCE MAP 2025

PREPARED FOR
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SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

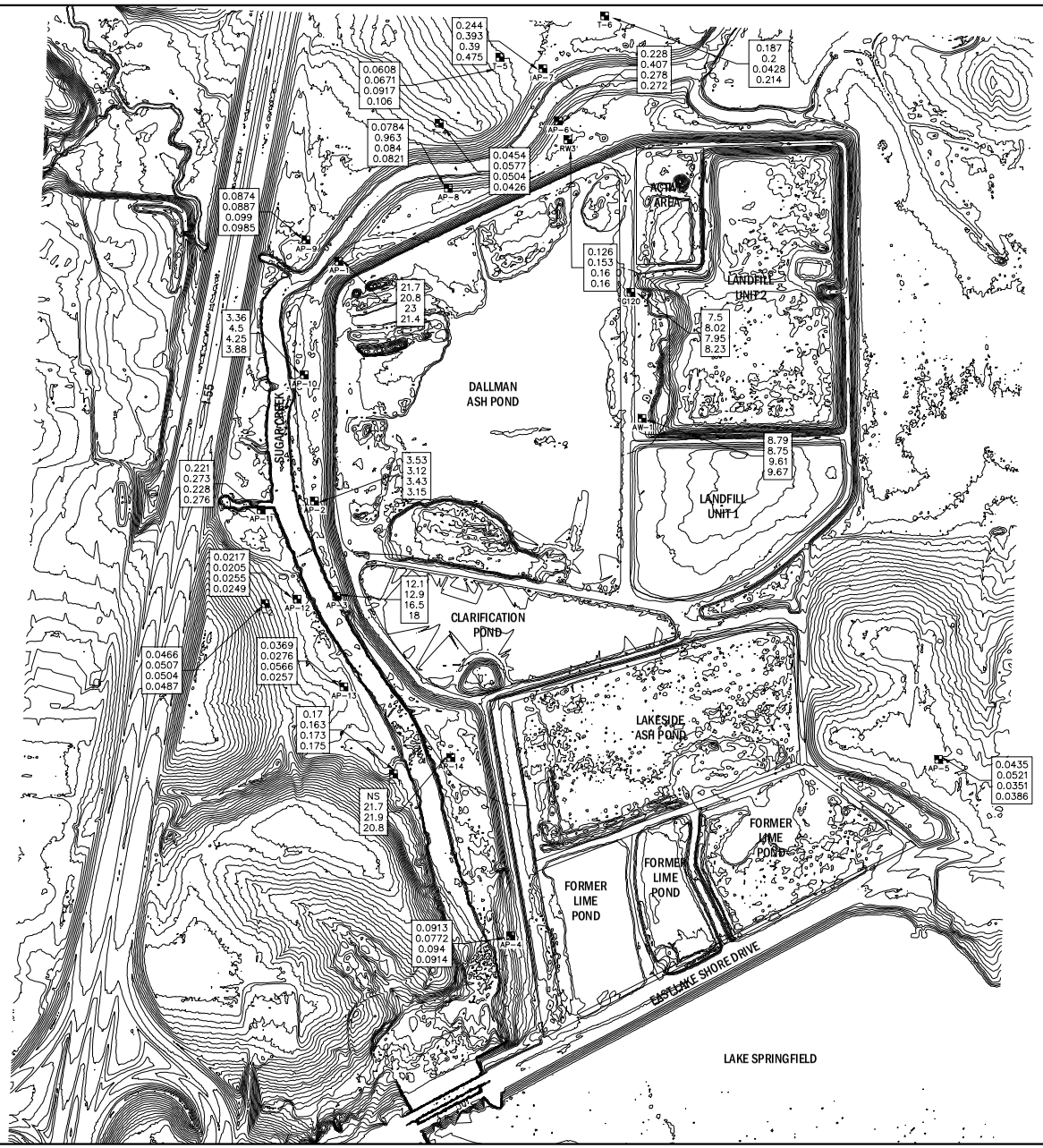
PROJECT ID: 250289/0005

SHEET NUMBER: 1

SC_042

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Tab: ARSENIC Last Saved: December 18, 2025, by Ben Karpus Plotted: Thursday, December 18, 2025 1:56:26 PM
J:\IS\Springfield CMLP_CMLP Ash Pond\GWA\2025\GW base map 845 cor impoundment.dwg



LEGEND

- MONITORING WELL
- Q1 – 02/20/2025
  Q2 – 05/27/2025
  Q3 – 08/12/2025
  Q4 – 11/13/2025
  DATA CALLOUTS
- GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. BORON, TOTAL: GWPS = 2 mg/L
3. NS = NOT SAMPLED

N

0 200 400 800

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

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BORON GW EXCEEDANCE MAP 2025

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DATE: DECEMBER 2025

PROJECT ID: 250289/0005

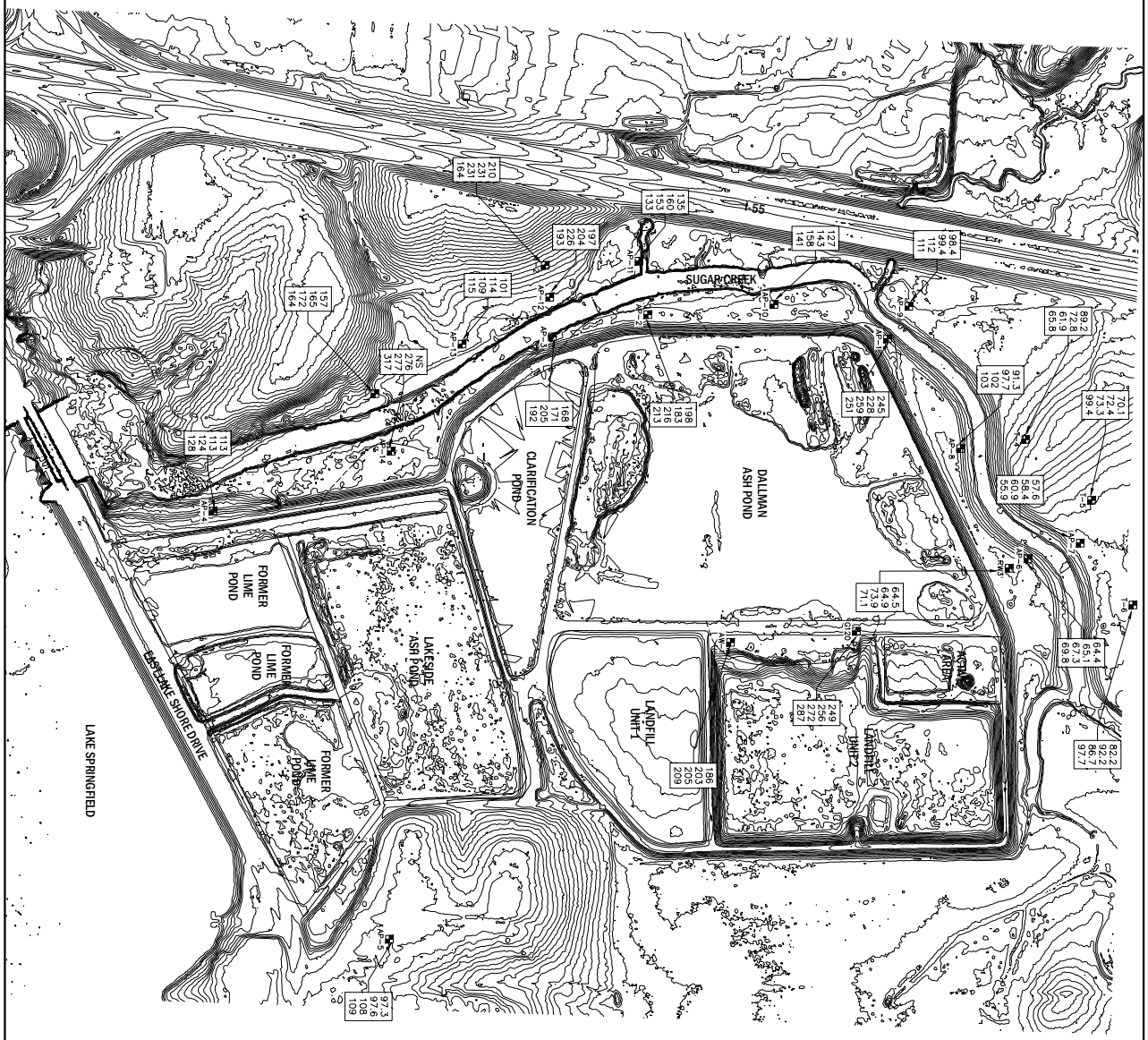
SHEET NUMBER: 2

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SC_043

Tab: BORON Last Saved: December 18, 2025, by Ben Korpus Plotted: Thursday, December 18, 2025 1:59:44 PM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\2025\GW base map 845 cor impoundment.dwg

Tab: CALCIUM Last Saved: December 18, 2025, by Ben Karpus Plotted: Thursday, December 18, 2025 2:00:39 PM
J:\S\Springfield CWLP\CWLP Ash Pond\DWG\2025\GW base map 845 cor Impoundment.dwg



LEGEND

- MONITORING WELL
- DATA CALLOUTS
  - Q1 – 02/20/2025
  - Q2 – 05/27/2025
  - Q3 – 08/12/2025
  - Q4 – 11/13/2025
- GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2019).
2. CALCIUM, TOTAL: GWPS = 181.6 mg/L.
3. NS = NOT SAMPLED

0 200 400 800
SCALE: IN FEET

N

CALCIUM GW EXCEEDANCE MAP 2025

PREPARED FOR

CITY WATER, LIGHT, ANS POWER

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NO.	DATE	REVISION DESCRIPTION	BY

DATE: DECEMBER 2025
PROJECT ID: 250289/0005
SHEET NUMBER: 3

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LEGEND

- MONITORING WELL
- DATA CALLOUTS
  - Q1 – 02/20/2025
  - Q2 – 05/27/2025
  - Q3 – 08/12/2025
  - Q4 – 11/13/2025
- GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2019).
2. CHLORIDE, TOTAL: GWPS = 200 mg/L
3. NS = NOT SAMPLED

0 200 400 800
SCALE: IN FEET

N

CHLORIDE GW EXCEEDANCE MAP 2025

PREPARED FOR

CITY WATER, LIGHT, ANS POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

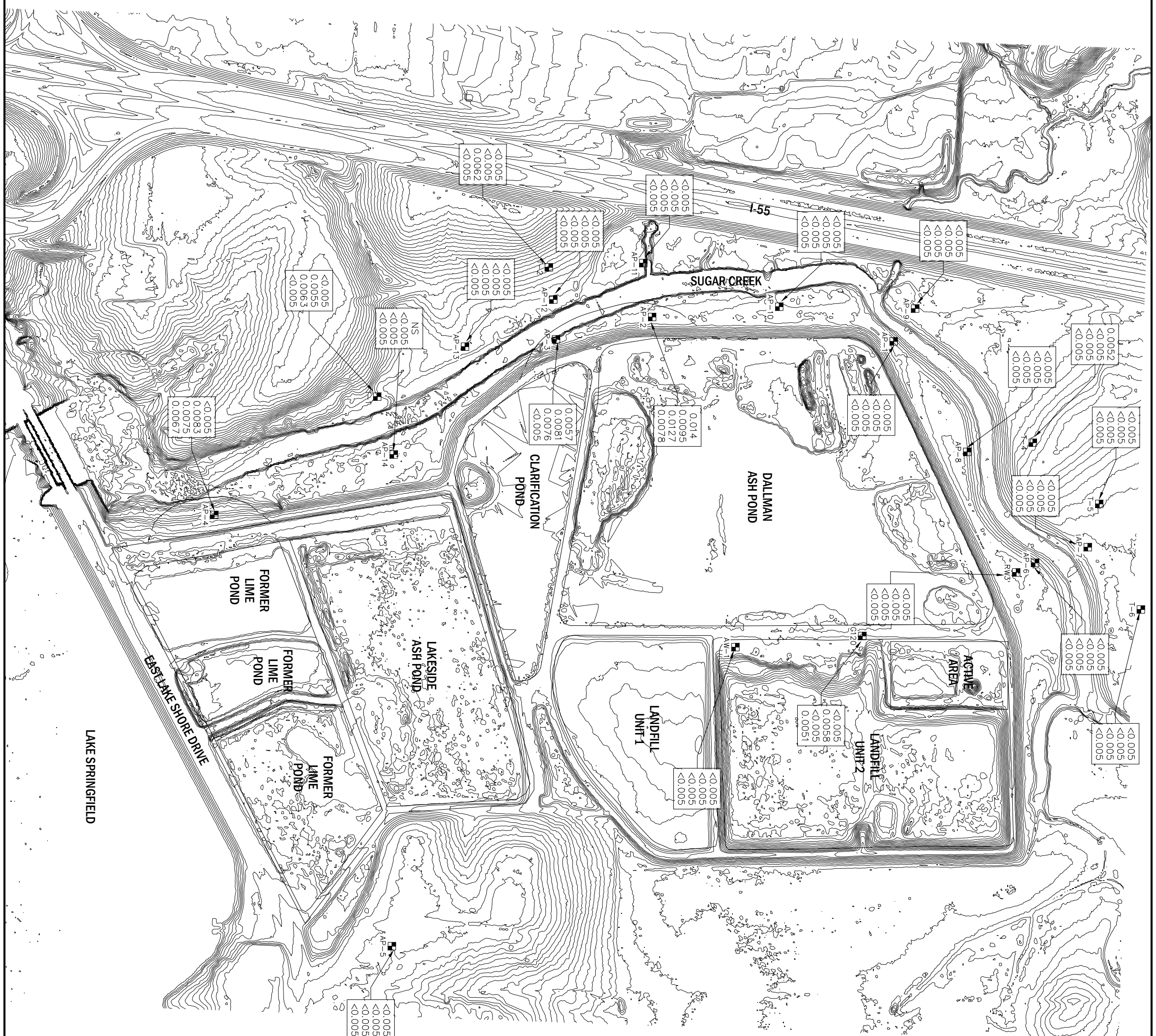
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APPROVED BY: BJH | DESIGNED BY: JSV | DRAWN BY: BCK

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DATE: DECEMBER 2025
PROJECT ID: 250289/0005
SHEET NUMBER: 4

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LEGEND

MONITORING WELL

Q1 – 02/20/2025
Q2 – 05/27/2025
Q3 – 08/12/2025 DATA CALLOUTS
Q4 – 11/13/2025

GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. COBALT, TOTAL: GWPS = 0.006 mg/L
3. NS = NOT SAMPLED

N

0 200 400 800
SCALE: IN FEET

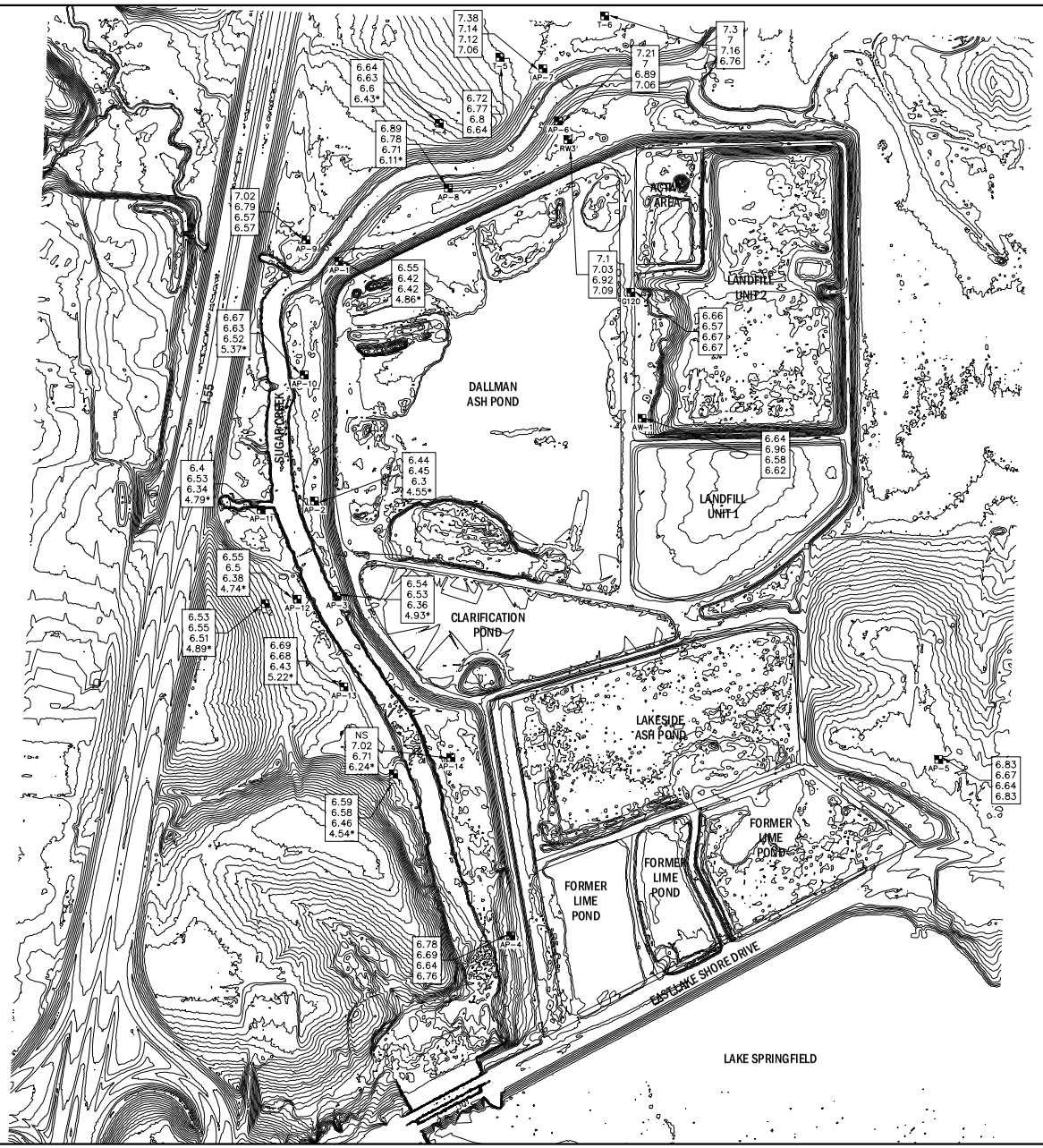
COBALT GW EXCEEDANCE MAP 2025	DATE: DECEMBER 2025	SHEET NUMBER: 5
PREPARED FOR CITY WATER, LIGHT, ANS POWER SPRINGFIELD, SANGAMON COUNTY, ILLINOIS	PROJECT ID: 250289/0005	

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LEGEND

- MONITORING WELL
- Q1 – 02/20/2025
  Q2 – 05/27/2025
  Q3 – 08/12/2025
  Q4 – 11/13/2025
  DATA CALLOUTS
- GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. pH, TOTAL: GWPS = 6.5–9 UNITS
3. "*" VALUES ARE UNRELIABLE DUE TO ERROR DURING INSTRUMENT CALIBRATION.
4. NS = NOT SAMPLED

N

0 200 400 800

SCALE: IN FEET

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pH GW EXCEEDANCE MAP 2025

PREPARED FOR
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SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

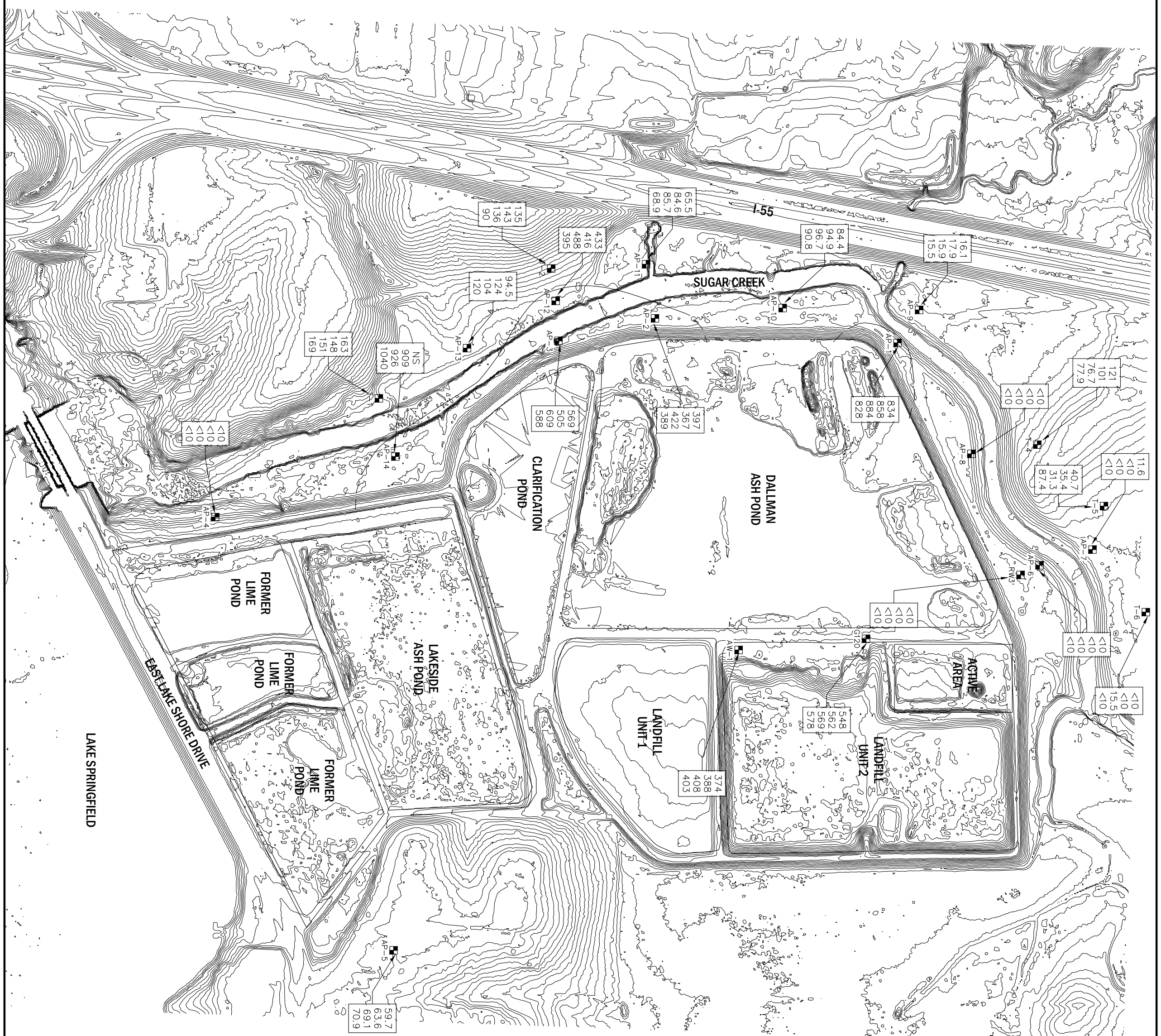
PROJECT ID: 250289/0005

SHEET NUMBER: 6

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SC_047

Tab: PH Last Saved: December 18, 2025, by Ben Kurpius Plotted: Thursday, December 18, 2025 2:02:40 PM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\2025\GW base map 845 cor impoundment.dwg



LEGEND

MONITORING WELL

Q1 – 02/20/2025
Q2 – 05/27/2025
Q3 – 08/12/2025
Q4 – 11/13/2025

DATA CALLOUTS

GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. SULFATE, TOTAL: GWPS = 400 mg/L
3. NS = NOT SAMPLED

SULFATE GW EXCEEDANCE MAP 2025

PREPARED FOR

CITY WATER, LIGHT, ANS POWER

SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289/0005

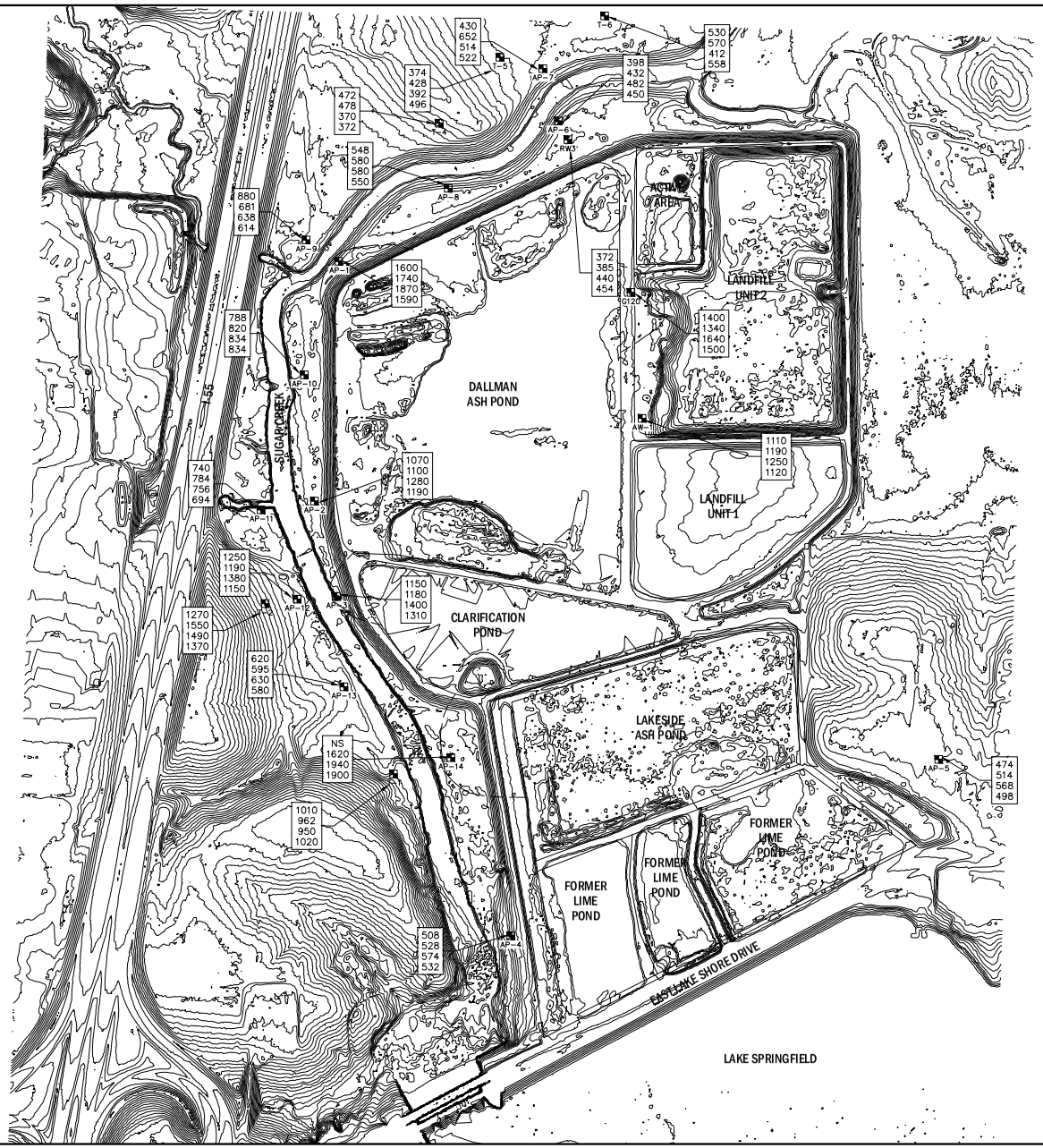
SHEET NUMBER: 7

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LEGEND

- MONITORING WELL
- Q1 – 02/20/2025
- Q2 – 05/27/2025
- Q3 – 08/12/2025
- Q4 – 11/13/2025
- DATA CALLOUTS
- GWPS ISOCONTOUR

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. TDS, TOTAL: GWPS = 1200 mg/L
3. NS = NOT SAMPLED

N

0 200 400 800

SCALE: IN FEET

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TOTAL DISSOLVED SOLIDS GW EXCEEDANCE MAP 2025

PREPARED FOR
CITY WATER, LIGHT, ANS POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289/0005

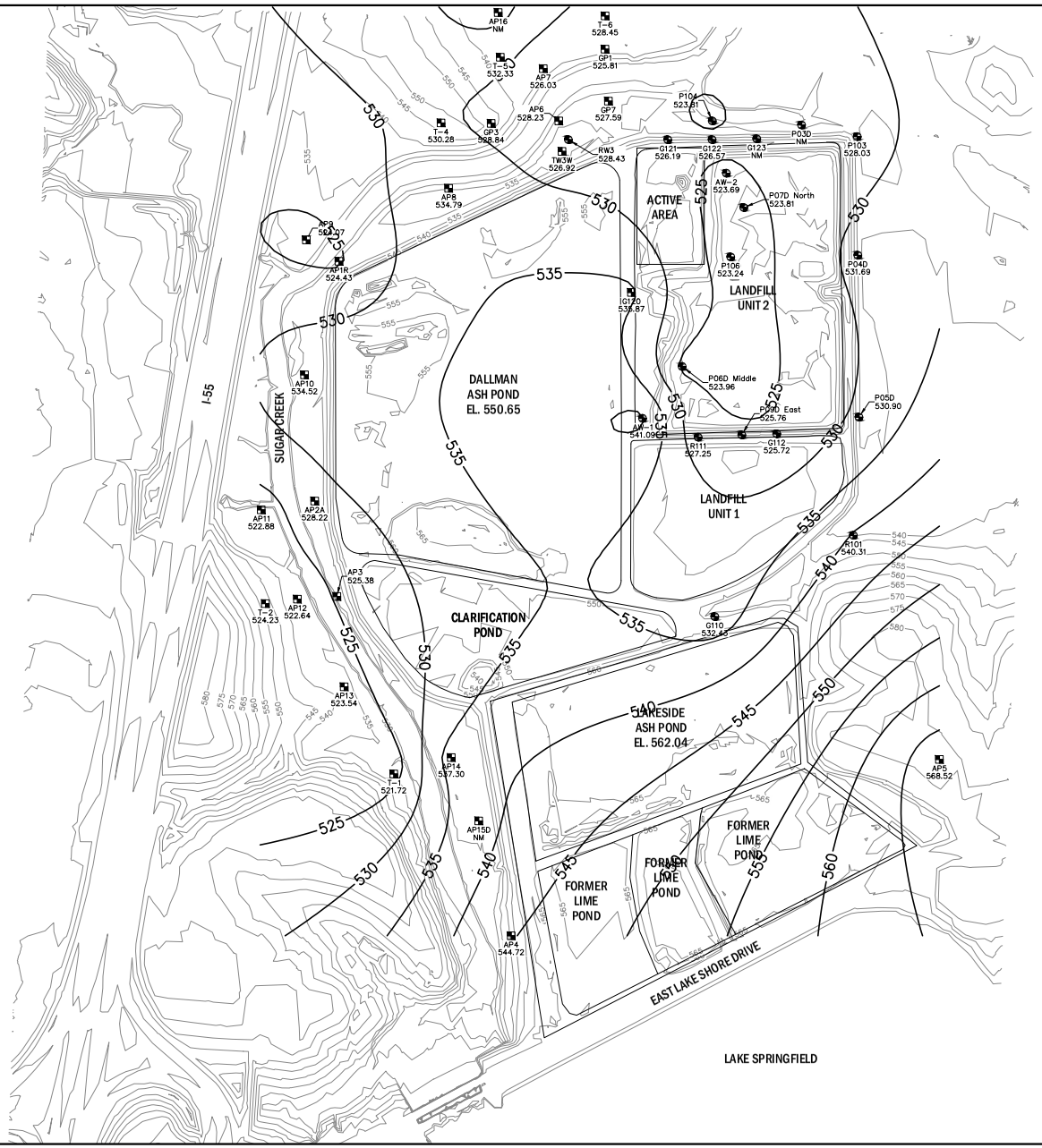
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SC_049

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J:\S\Springfield CMLP\CMLP Ash Pond\GW\2025\GW base map 845 cor impoundment.dwg

APPENDIX B:
2025 POTENTIOMETRIC SURFACE MAPS



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 1/27/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

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SC_051

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POTENTIOMETRIC SURFACE MAP
JANUARY 27, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

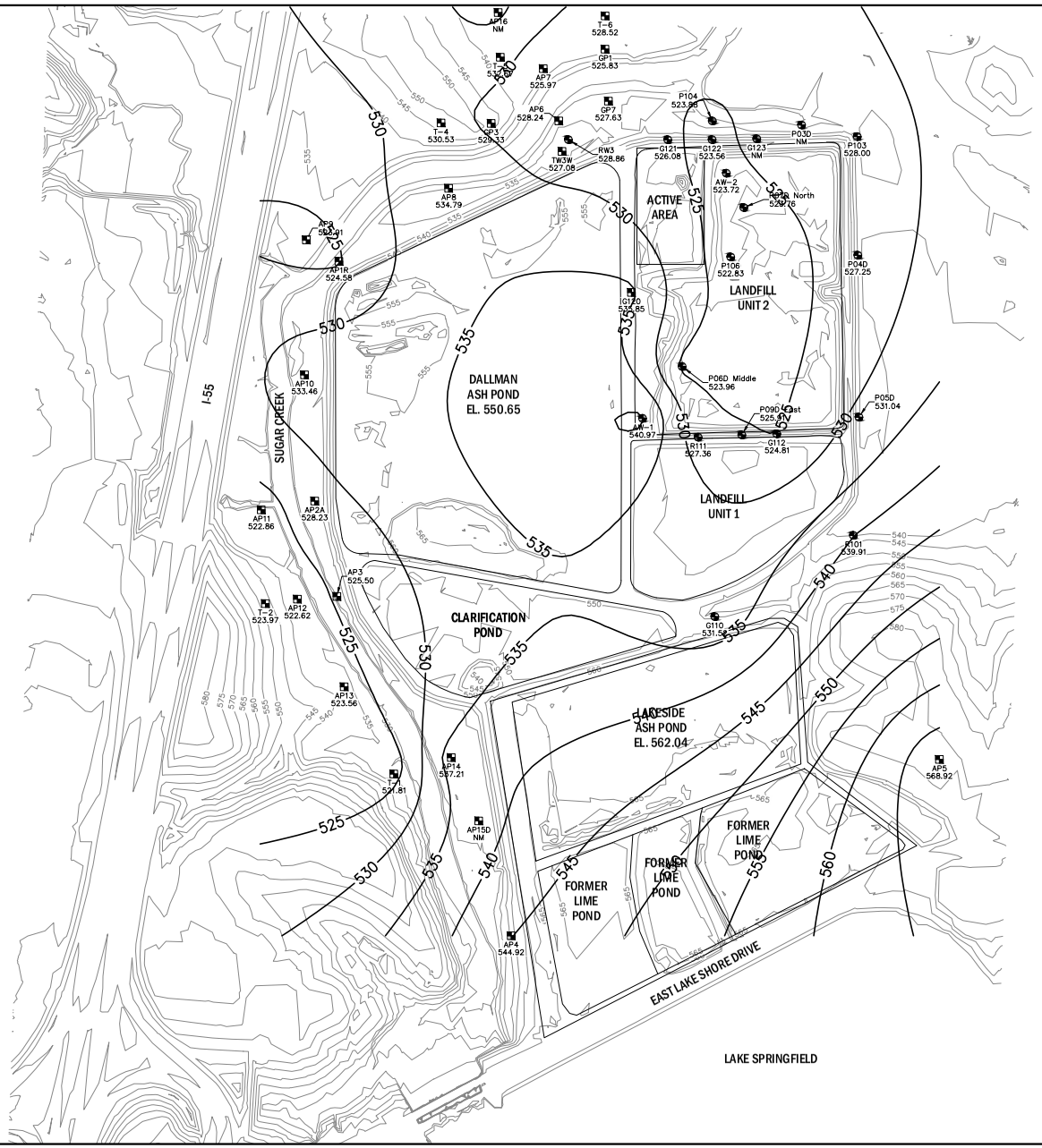
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SHEET NUMBER:

FIG. 1

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:56:47 AM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\1-27-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 2/25/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

SC_052

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POTENTIOMETRIC SURFACE MAP
FEBRUARY 25, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

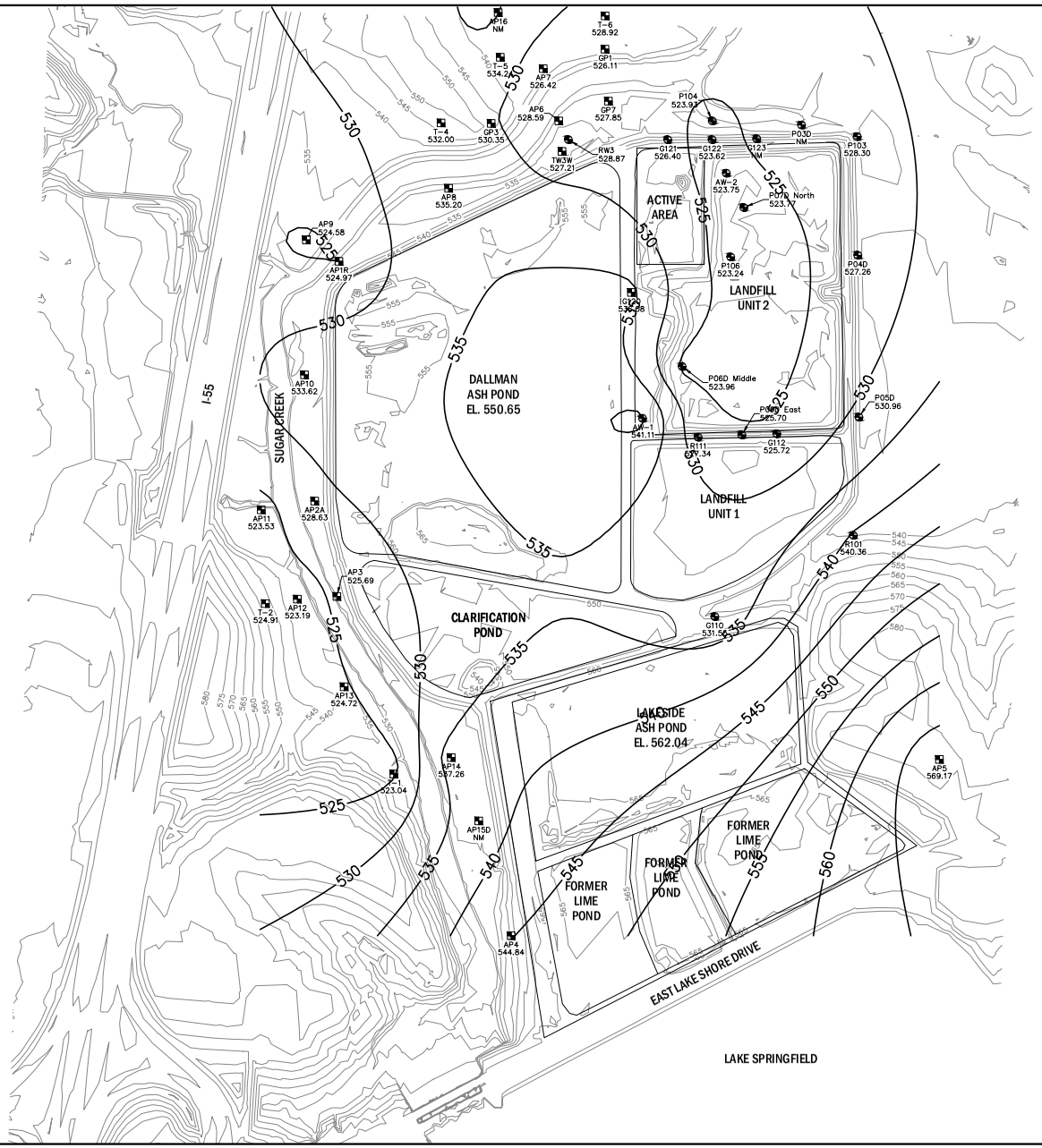
PROJECT ID: 250289/0005

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FIG. 2

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:55:50 AM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\2-25-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 3/28/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

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POTENTIOMETRIC SURFACE MAP
MARCH 28, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289/0005

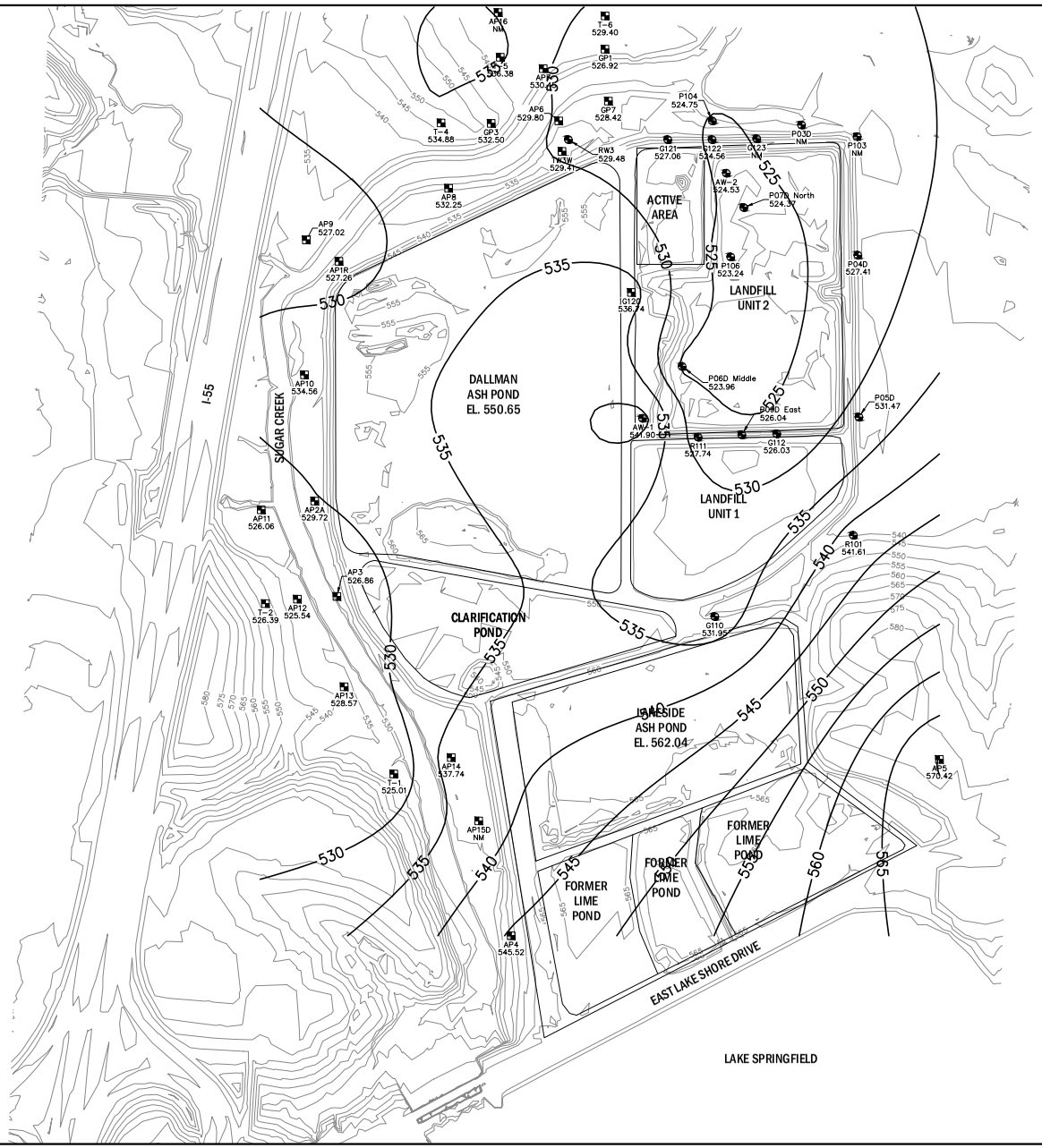
SHEET NUMBER:

FIG. 3

SC_053

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:53:17 AM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\3-28-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 4/20/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

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SC_054

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POTENTIOMETRIC SURFACE MAP
APRIL 20, 2025

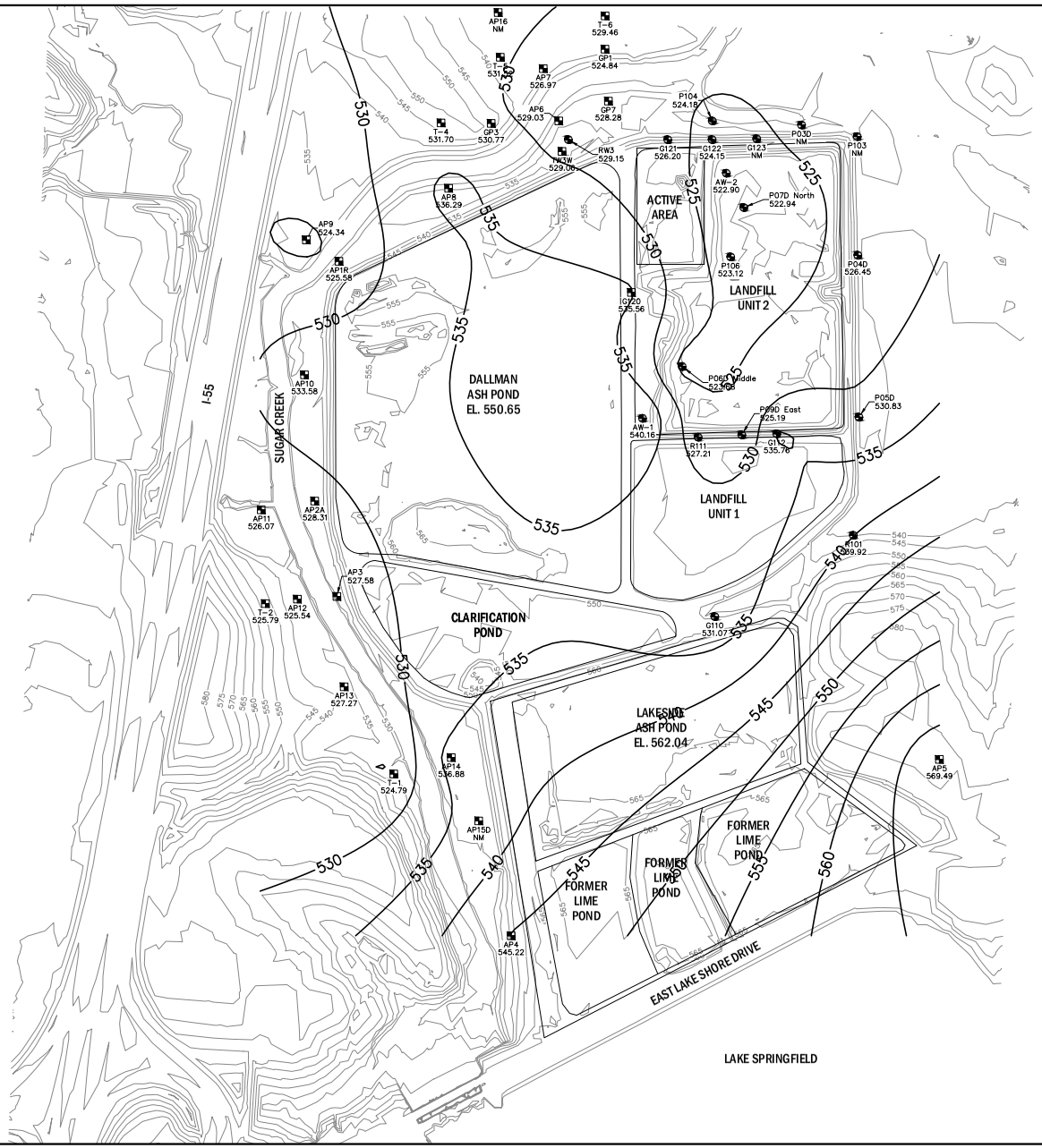
PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025
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SHEET NUMBER:

FIG. 4

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:52:17 AM
J:\IS\Springfield CWLP\CWLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\4-20-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 5/29/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

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POTENTIOMETRIC SURFACE MAP
MAY 29, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289/0005

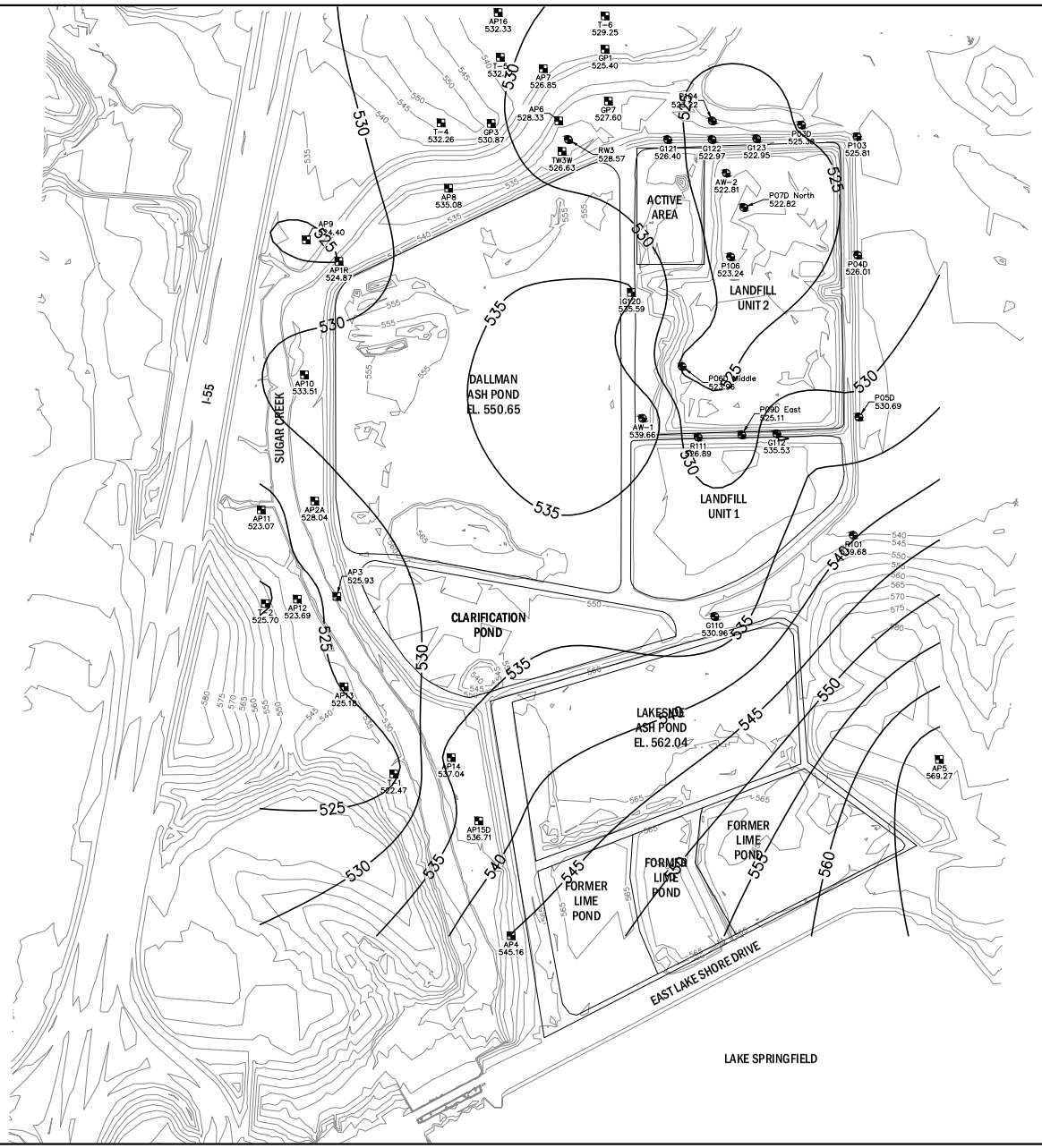
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FIG. 5

SC_055

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:51:42 AM
J:\IS\Springfield CWLP\CWLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\S-29-25.dwg



LEGEND

- 550 — EXISTING GROUND CONTOURS
- —540— GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 6/25/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

SC_056

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POTENTIOMETRIC SURFACE MAP
JUNE 25, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

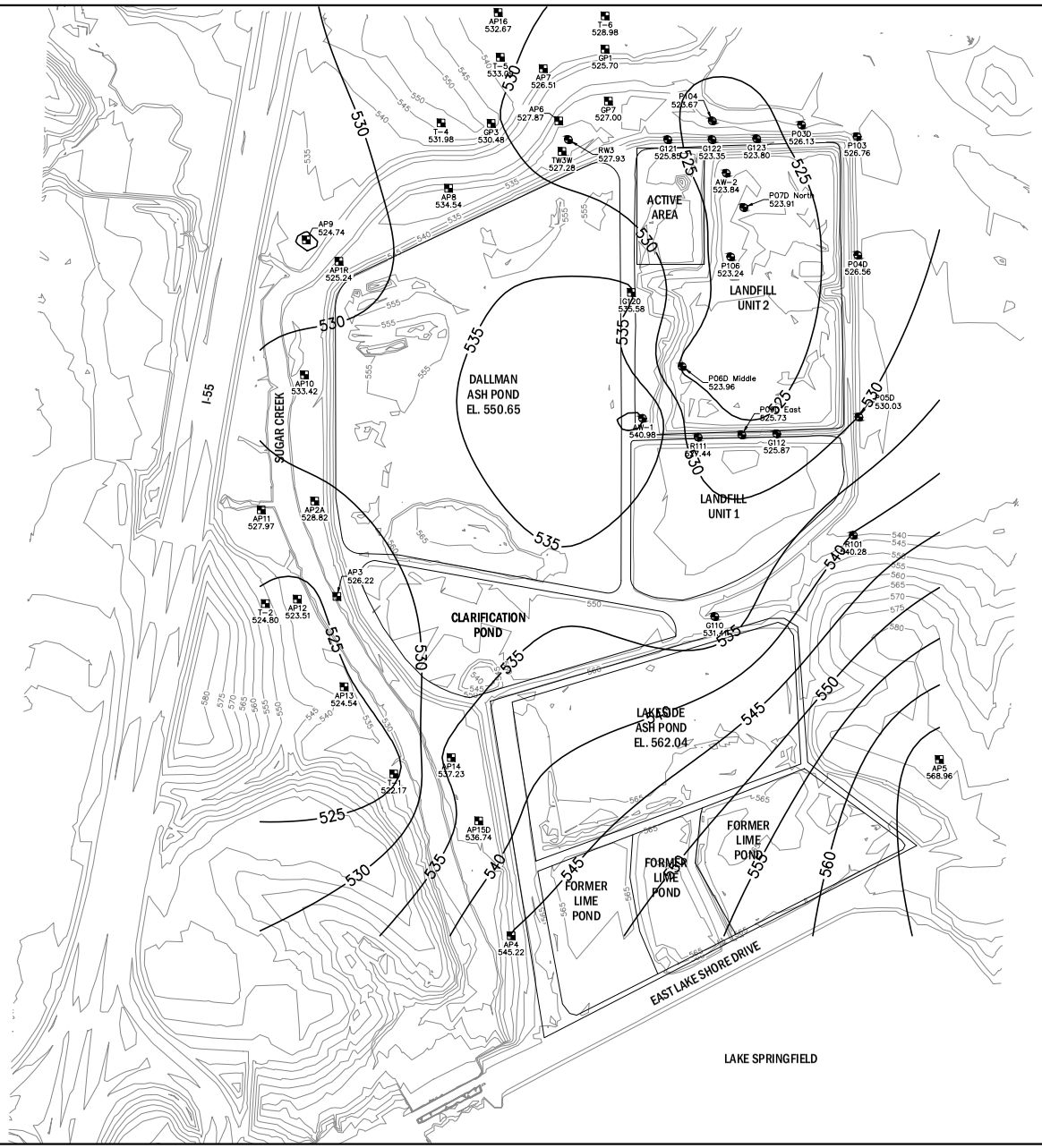
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FIG. 6

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J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\6-25-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 7/21/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

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POTENTIOMETRIC SURFACE MAP
JULY 21, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

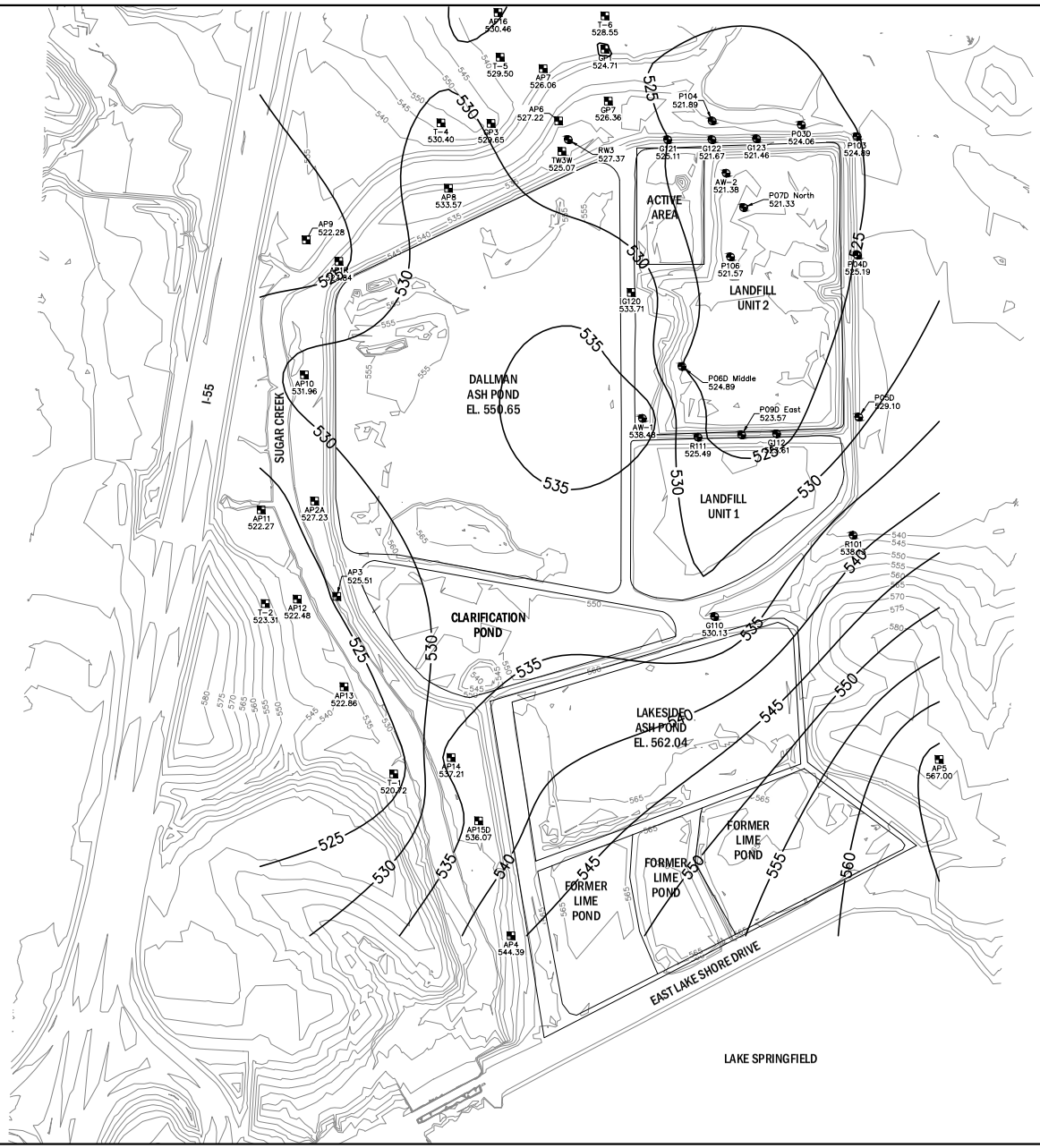
DATE: DECEMBER 2025
PROJECT ID: 250289/0005
SHEET NUMBER:

FIG. 7

SC_057

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J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\7-21-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 8/21/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

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POTENTIOMETRIC SURFACE MAP
AUGUST 21, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289/0005

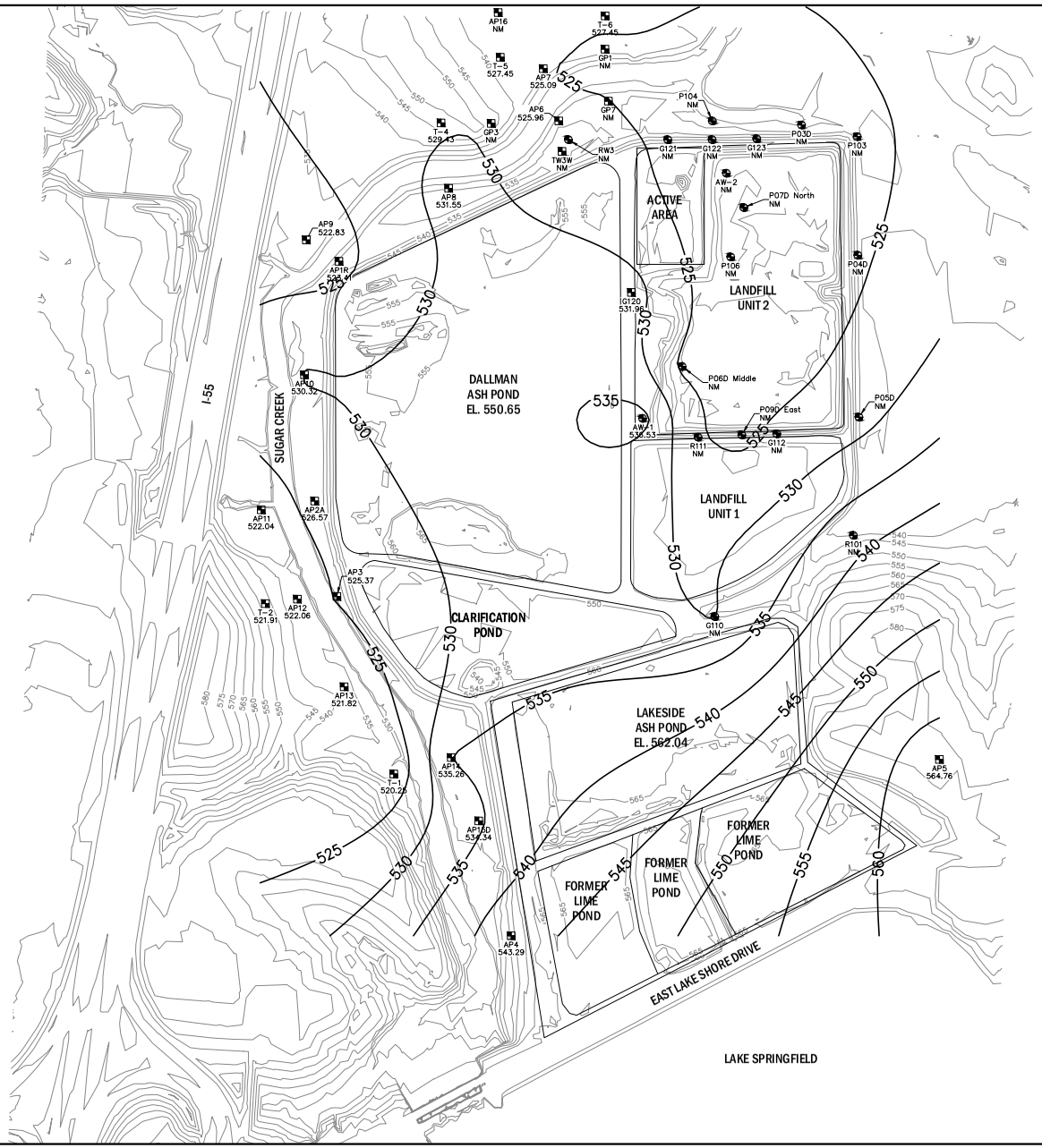
SHEET NUMBER:

FIG. 8

SC_058

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J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\8-21-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 9/30/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

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APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

POTENTIOMETRIC SURFACE MAP
SEPTEMBER 30, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

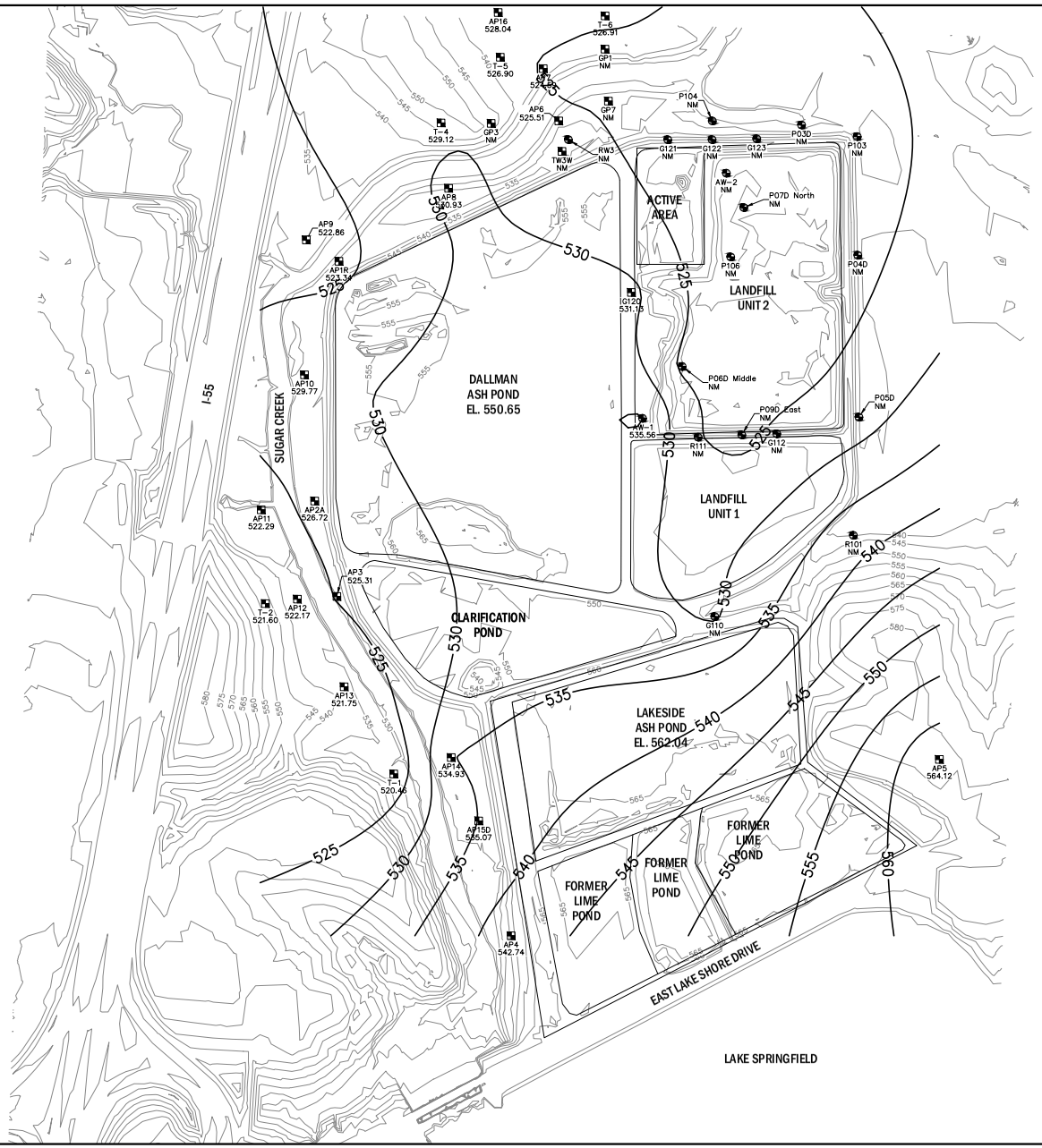
DATE: DECEMBER 2025
PROJECT ID: 250289/0005
SHEET NUMBER:

FIG. 9

SC_059

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:48:28 AM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\9-30-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 10/27/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

NO. | DATE | REVISION DESCRIPTION | BY

SC_060

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
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POTENTIOMETRIC SURFACE MAP
OCTOBER 27, 2025

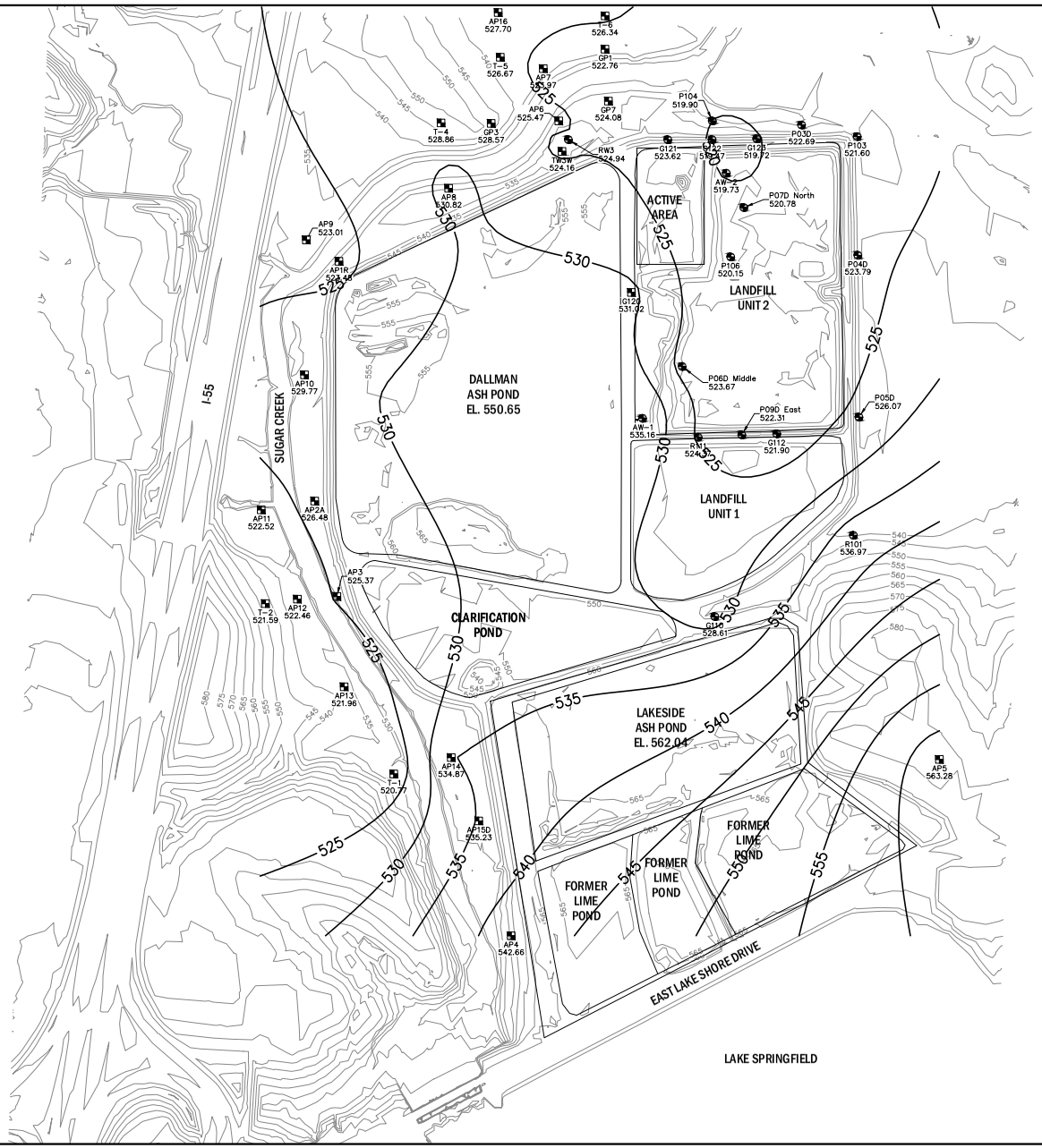
PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025
PROJECT ID: 250289/0005
SHEET NUMBER:

FIG. 10

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:47:38 AM
J:\IS\Springfield CWLP\CWLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\10-27-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 11/15/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

SC_067

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
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APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

POTENTIOMETRIC SURFACE MAP
NOVEMBER 15, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

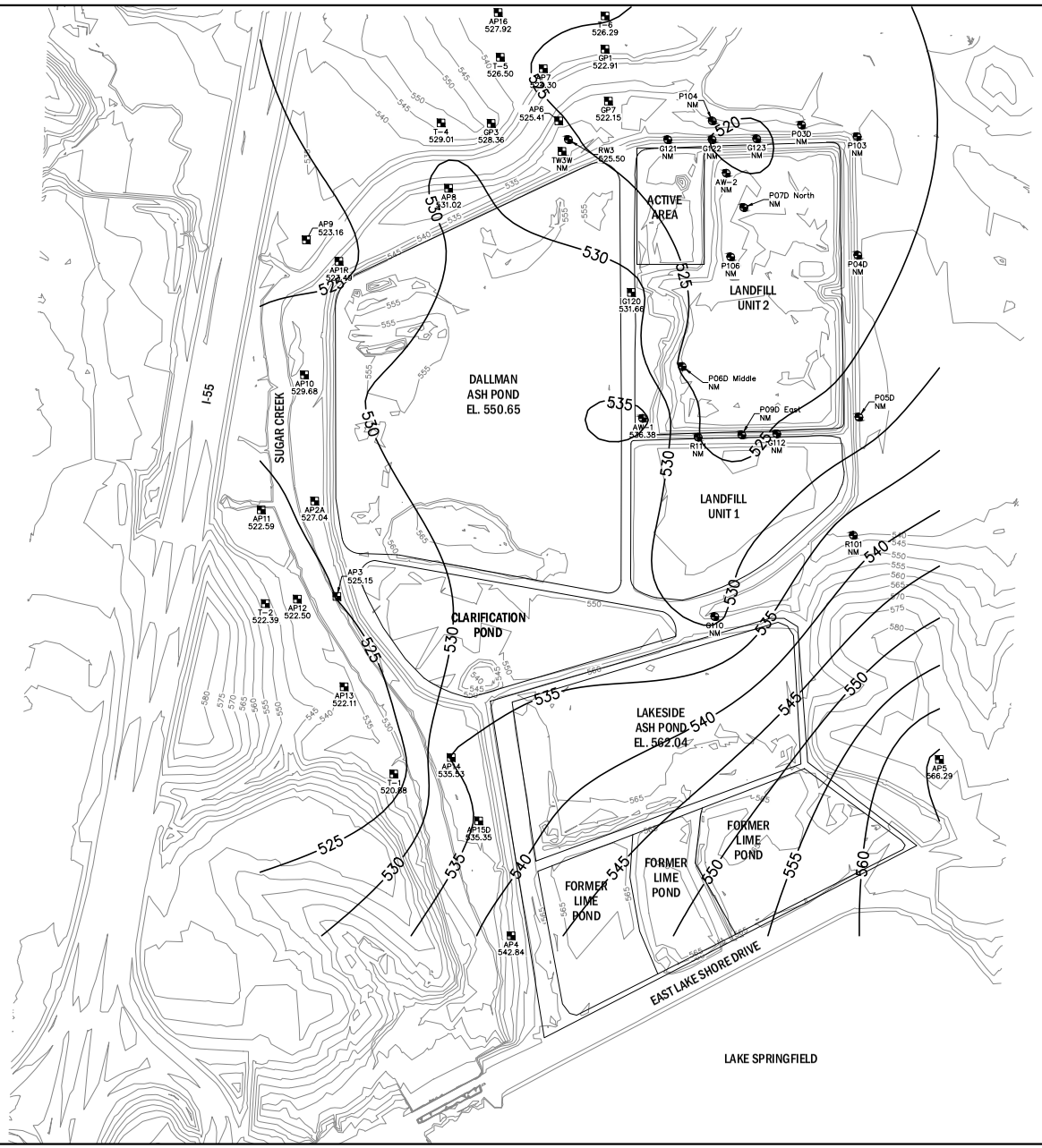
PROJECT ID: 250289/0005

SHEET NUMBER:

FIG. 11

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:45:57 AM
J:\IS\Springfield CMLP\CMLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\11-15-25.dwg



LEGEND

- EXISTING GROUND CONTOURS
- GROUNDWATER CONTOURS
- CCR SURFACE IMPOUNDMENT WELL
- FGDS LANDFILL WELL

NOTES

1. LIDAR DATA DERIVED FROM USGS WEBSITE (FLIGHT DATE: OCTOBER 15, 2018).
2. POTENTIOMETRIC CONTOUR INTERVAL SHOWN IS 5 FEET.
3. TOPOGRAPHIC CONTOUR INTERVAL SHOWN IS 5 FEET.
4. SAMPLING DATE: 12/10/2025.
5. "NM" – NOT MEASURED. GROUNDWATER ELEVATION BASED ON LINEAR REGRESSION APPROXIMATION.
6. DEPICTED BOUNDARIES OF SITE FEATURES ARE APPROXIMATE.

N

0 200 400 800

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

SC_062

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: MTH | DESIGNED BY: MTH | DRAWN BY: BCK

POTENTIOMETRIC SURFACE MAP
DECEMBER 10, 2025

PREPARED FOR
CITY WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: DECEMBER 2025

PROJECT ID: 250289/0005

SHEET NUMBER:

FIG. 12

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Tab: Layout1 Last Saved: January 12, 2026, by Ben Korpus Plotted: Monday, January 12, 2026 10:58:08 AM
J:\IS\Springfield CWLP\CWLP Ash Pond\DWG\PMAPS\2025 Monthly Basal Sand\12-10-25.dwg

APPENDIX C:
2025 LABORATORY ANALYTICAL REPORTS AND FIELD SAMPLING NOTES

APPENDIX C-1:

First Quarter 2025
Laboratory Analytical Report and Field Notes

March 31, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: FGDS Landfill **WorkOrder:** 25020750

Dear Eric Staley:

TEKLAB, INC received 12 samples on 2/21/2025 12:22:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Work Order: 25020750
Client Project: FGDS Landfill
Report Date: 31-Mar-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	19
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25020750

Client Project: FGDS Landfill **Report Date:** 31-Mar-25

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25020750

Client Project: FGDS Landfill
Report Date: 31-Mar-25

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: FGDS Landfill

Work Order: 25020750
Report Date: 31-Mar-25

Cooler Receipt Temp: 9.9 °C

An employee of Teklab, Inc. collected the sample(s).

Radium 226/228 analysis was performed by Alliance Technical Group. See attached report for results.

Locations

Collinsville

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	jhriley@teklabinc.com

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	EHurley@teklabinc.com

Chicago

Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(630) 324-6855
Fax	
Email	arenner@teklabinc.com

Client: City Water, Light & Power **Work Order:** 25020750

Client Project: FGDS Landfill **Report Date:** 31-Mar-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25020750
Client Project: FGDS Landfill
Report Date: 31-Mar-25
Lab ID: 25020750-003
Client Sample ID: R111
Matrix: GROUNDWATER
Collection Date: 02/20/2025 11:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**498.25**	ft	1	02/20/2025 11:41	R360884
Depth to water	*	-5.00		**25.04**	ft	1	02/20/2025 11:41	R360884
Depth to water from measuring point	*	0		**25.04**	ft	1	02/20/2025 11:41	R360884
Elevation of groundwater surface	*	0		**528.96**	ft	1	02/20/2025 11:41	R360884
Measuring Point Elevation	*	0		**554.00**	ft	1	02/20/2025 11:41	R360884
Measuring Point Height Above Land Surface	*	0		**0**	ft	1	02/20/2025 11:41	R360884
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.8**	NTU	1	02/20/2025 11:41	R360884
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**46.8**	°F	1	02/20/2025 11:41	R360884
SW-846 9040B								
pH, Field	*	1.00		**6.86**		1	02/20/2025 11:41	R360884
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1090**	µmhos/cm @25C	1	02/20/2025 11:41	R360884
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	33		**725**	mg/L	1.67	02/21/2025 14:57	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 13:59	R360629
Chloride	NELAP	5.00		**169**	mg/L	10	02/21/2025 13:59	R360629
Sulfate	NELAP	10.0		**24.7**	mg/L	10	02/21/2025 13:59	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.586**	mg/L	1	02/24/2025 14:47	235068
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 14:47	235068
Boron	NELAP	0.0200		**3.09**	mg/L	1	02/24/2025 14:47	235068
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 14:47	235068
Calcium	NELAP	0.100		**148**	mg/L	1	02/24/2025 14:47	235068
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:47	235068
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:47	235068
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 14:47	235068
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 14:47	235068
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:52	235068
Arsenic	NELAP	0.0010		**0.0156**	mg/L	5	02/25/2025 10:43	235068
Lithium	*	0.0030		**0.0055**	mg/L	5	02/25/2025 10:43	235068
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:52	235068
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 11:52	235068
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:37	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020750
Client Project: FGDS Landfill
Report Date: 31-Mar-25
Lab ID: 25020750-006
Client Sample ID: G120
Matrix: GROUNDWATER
Collection Date: 02/21/2025 9:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**502.73**	ft	1	02/21/2025 9:36	R360884
Depth to water	*	-5.00		**15.89**	ft	1	02/21/2025 9:36	R360884
Depth to water from measuring point	*	0		**15.89**	ft	1	02/21/2025 9:36	R360884
Elevation of groundwater surface	*	0		**537.21**	ft	1	02/21/2025 9:36	R360884
Measuring Point Elevation	*	0		**553.10**	ft	1	02/21/2025 9:36	R360884
Measuring Point Height Above Land Surface	*	0		**0**	ft	1	02/21/2025 9:36	R360884
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**17**	NTU	1	02/21/2025 9:36	R360884
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**55.8**	°F	1	02/21/2025 9:36	R360884
SW-846 9040B								
pH, Field	*	1.00		**6.66**		1	02/21/2025 9:36	R360884
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1910**	µmhos/cm @25C	1	02/21/2025 9:36	R360884
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		**1400**	mg/L	2.5	02/24/2025 14:57	R360789
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 21:46	R360629
Chloride	NELAP	5.00		**35.2**	mg/L	10	02/21/2025 21:46	R360629
Sulfate	NELAP	10.0		**548**	mg/L	10	02/21/2025 21:46	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.708**	mg/L	1	02/24/2025 10:06	235106
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 10:06	235106
Boron	NELAP	0.0200		**7.50**	mg/L	1	02/24/2025 10:06	235106
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 10:06	235106
Calcium	NELAP	0.100		**249**	mg/L	1	02/24/2025 10:06	235106
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 10:06	235106
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 10:06	235106
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 10:06	235106
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 10:06	235106
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 14:17	235106
Arsenic	NELAP	0.0010		**0.0113**	mg/L	5	02/24/2025 14:17	235106
Lithium	*	0.0030		**0.0076**	mg/L	5	02/25/2025 10:54	235106
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/25/2025 10:54	235106
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 14:17	235106
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/25/2025 10:07	235158
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/21/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/21/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020750
Client Project: FGDS Landfill
Report Date: 31-Mar-25
Lab ID: 25020750-009
Client Sample ID: AW-1
Matrix: GROUNDWATER
Collection Date: 02/20/2025 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.79**	ft	1	02/20/2025 12:21	R360884
Depth to water	*	-5.00		**10.70**	ft	1	02/20/2025 12:21	R360884
Depth to water from measuring point	*	0		**13.45**	ft	1	02/20/2025 12:21	R360884
Elevation of groundwater surface	*	0		**542.15**	ft	1	02/20/2025 12:21	R360884
Measuring Point Elevation	*	0		**555.60**	ft	1	02/20/2025 12:21	R360884
Measuring Point Height Above Land Surface	*	0		**2.75**	ft	1	02/20/2025 12:21	R360884
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.4**	NTU	1	02/20/2025 12:21	R360884
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**48.2**	°F	1	02/20/2025 12:21	R360884
SW-846 9040B								
pH, Field	*	1.00		**6.64**		1	02/20/2025 12:21	R360884
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1310**	µmhos/cm @25C	1	02/20/2025 12:21	R360884
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	50		**1110**	mg/L	2.5	02/21/2025 14:59	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 15:21	R360629
Chloride	NELAP	5.00		**35.4**	mg/L	10	02/21/2025 15:21	R360629
Sulfate	NELAP	10.0		**374**	mg/L	10	02/21/2025 15:21	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.486**	mg/L	1	02/24/2025 11:14	235055
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 11:14	235055
Boron	NELAP	0.0200		**8.79**	mg/L	1	02/24/2025 11:14	235055
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 11:14	235055
Calcium	NELAP	0.100		**186**	mg/L	1	02/24/2025 11:14	235055
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 11:14	235055
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 11:14	235055
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 11:14	235055
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 11:14	235055
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 10:24	235055
Arsenic	NELAP	0.0010		**0.146**	mg/L	5	02/25/2025 11:17	235055
Lithium	*	0.0030		**0.0108**	mg/L	5	02/24/2025 10:24	235055
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 10:24	235055
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/25/2025 11:17	235055
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020	S	**< 0.00020**	mg/L	1	02/21/2025 14:46	235075
Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.								
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/21/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/21/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020750
Client Project: FGDS Landfill
Report Date: 31-Mar-25
Lab ID: 25020750-011
Client Sample ID: RW-3
Matrix: GROUNDWATER
Collection Date: 02/18/2025 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.49**	ft	1	02/18/2025 12:00	R360884
Depth to water	*	-5.00		**6.86**	ft	1	02/18/2025 12:00	R360884
Depth to water from measuring point	*	0		**9.56**	ft	1	02/18/2025 12:00	R360884
Elevation of groundwater surface	*	0		**529.94**	ft	1	02/18/2025 12:00	R360884
Measuring Point Elevation	*	0		**539.50**	ft	1	02/18/2025 12:00	R360884
Measuring Point Height Above Land Surface	*	0		**2.70**	ft	1	02/18/2025 12:00	R360884
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**21**	NTU	1	02/18/2025 12:00	R360884
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**53.5**	°F	1	02/18/2025 12:00	R360884
SW-846 9040B								
pH, Field	*	1.00		**7.10**		1	02/18/2025 12:00	R360884
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**623**	µmhos/cm @25C	1	02/18/2025 12:00	R360884
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	25		**372**	mg/L	1.25	02/19/2025 10:55	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/19/2025 0:00	R360503
Chloride	NELAP	5.00		**25.4**	mg/L	10	02/19/2025 0:00	R360503
Sulfate	NELAP	10.0		**ND**	mg/L	10	02/19/2025 0:00	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.136**	mg/L	1	02/20/2025 17:08	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:08	234945
Boron	NELAP	0.0200		**0.126**	mg/L	1	02/20/2025 17:08	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:08	234945
Calcium	NELAP	0.100		**64.5**	mg/L	1	02/24/2025 11:25	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:08	234945
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:08	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:08	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:08	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:19	234945
Arsenic	NELAP	0.0010		**0.0961**	mg/L	5	02/20/2025 11:19	234945
Lithium	*	0.0030		**0.0047**	mg/L	5	02/24/2025 8:08	234945
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:19	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 11:19	234945
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:09	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Receiving Check List

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: FGDS Landfill

Work Order: 25020750
Report Date: 31-Mar-25

Carrier: Justin Colp

Received By: AMD

Completed by: Amber Dilallo
On: 18-Feb-25

Reviewed by: Ellie Hopkins
On: 21-Feb-25

Pages to follow: Chain of custody 5 Extra pages included 49

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 9.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Samples were received on 2/18/25 at 1500 on ice [9.9, 11.5C - LTG#5]. pH strip #101358. - amberdilallo - 2/18/2025 3:33:57 PM

Samples were received on 2/19/25 at 15.50 on ice [temp10.1C - LTG#9]. pH#101358 -EK/ lhenson - 2/19/2025 4:09:47 PM

Samples were received on 2/20/25 at 15.55 on ice [temp5.7C, 5.9C - LTG#9]. pH#101358. Added nitric acid (102194) to G121 and AW-1. - lhenson - 2/20/2025 4:39:14 PM

Samples were received on 12/21/25 at 12.22 on ice [temp5.5C - LTG#9]. pH#101358/98858. Added nitric acid (102194) to G113 and G120. - EK/lhenson - 2/21/2025 1:04:17 PM

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020750

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_076

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 9.9 - 11.5°C #5
Preserved in: [ ] LAB [X] FIELD
LAB NOTES: 101358 dm 2/18/25

FOR LAB USE ONLY

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring 4Q2023-3Q2025
RW-3 report data from Ash Pond sampling event.

PROJECT NAME/NUMBER
FGDS Landfill

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020750-001	R101		Groundwater	1	2								✓	✓	✓	✓	✓	✓
002	G110		Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	R111		Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	G112		Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	G113		Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	G120		Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	G121		Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	G122		Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AW-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AW-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	RW-3	2-18-25 1700	Groundwater	0	0								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
J. Colp	2-18-25 1500	Amber Quaid	2/18/25 1500

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020750

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [x] ICE [ ] BLUE ICE [ ] NO ICE 10.1 °C #9
Preserved in: [ ] LAB [x] FIELD FOR LAB USE ONLY
LAB NOTES: pH 101358 EIC 2/19/2025

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [x] No
Are these samples known to be hazardous? [ ] Yes [x] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [x] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring 4Q2023-3Q2025
RW-3 report data from Ash Pond sampling event.

PROJECT NAME/NUMBER
FGDS Landfill

SAMPLE COLLECTOR'S NAME
Justin Gip

RESULTS REQUESTED
[x] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020750-001	R101		Groundwater	1	2								✓	✓	✓	✓	✓	✓
002	G110	2-19-25 / 1325	Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	R111		Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	G112		Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	G113		Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	G120		Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	G121		Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	G122		Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AW-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AW-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	RW-3		Groundwater	0	0								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	2-19 / 1550		2/19/25 15:50

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020750

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.7/5.9 °C #9
Preserved in: ☒ LAB ☐ FIELD
FOR LAB USE ONLY
LAB NOTES: Added HNO3 (102194) to G121 2 liter and AW-1 2 liter. PHV101358 EK 2/20/2025

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring 4Q2023-3Q2025
RW-3 report data from Ash Pond sampling event.

PROJECT NAME/NUMBER
FGDS Landfill

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020750-001	R101		Groundwater	1	2								✔	✔	✔	✔	✔	✔
002	G110		Groundwater	1	2								✔	✔	✔	✔	✔	✔
003	R111	2-20-25 / 1141	Groundwater	1	2								✔	✔	✔	✔	✔	✔
004	G112	2-20-25 / 1255	Groundwater	1	2								✔	✔	✔	✔	✔	✔
005	G113		Groundwater	1	2								✔	✔	✔	✔	✔	✔
006	G120		Groundwater	1	2								✔	✔	✔	✔	✔	✔
007	G121	2-20-25 / 1325	Groundwater	1	2								✔	✔	✔	✔	✔	✔
008	G122	2-20-25 / 1334	Groundwater	1	2								✔	✔	✔	✔	✔	✔
009	AW-1	2-20-25 / 1221	Groundwater	1	2								✔	✔	✔	✔	✔	✔
010	AW-2	2-20-25 / 1018	Groundwater	1	2								✔	✔	✔	✔	✔	✔
011	RW-3		Groundwater	0	0								✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
	2-20 / 1555		2/20/25 1555

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25020750

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_079

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring 4Q2023-3Q2025

PROJECT NAME/NUMBER
FGDS Landfill

SAMPLE COLLECTOR'S NAME
Justin Culp

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020750 02	P07D	2-20-25 / 1112	Groundwater	1	2								✔	✔	✔	✔	✔	✔
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2-20 / 1555	[signature]	2/20/25 1555

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020750

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [x] ICE [ ] BLUE ICE [ ] NO ICE 5.5 °C #9
Preserved in: [x] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: Added HNO3 (102194) to G113 and G120. PhV98858. 101358 EK 2/21/2025

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [x] No
Are these samples known to be hazardous? [ ] Yes [x] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [x] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring 4Q2023-3Q2025
RW-3 report data from Ash Pond sampling event.

PROJECT NAME/NUMBER
FGDS Landfill

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
[x] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED																							
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity																		
25020750-001	R101	2-21-25 / 1020	Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
002	G110		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
003	R111		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
004	G112		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
005	G113	2-21-25 / 0942	Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
006	G120	2-21-25 / 0936	Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
007	G121		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
008	G122		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
009	AW-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
010	AW-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓																		
011	RW-3		Groundwater	0	0								✓	✓	✓	✓	✓	✓																		

Relinquished By	Date/Time	Received By	Date/Time
Tracy Carrell	2/21/25 1222	Emily Kosakoski	2/21/2025 1222

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

SC_080

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	R101
Project Location:	Springfield, IL	**Sample ID:**	001
W.O. Number (s):	25020750	**Date (s):**	2/21/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/21/2025 9:52

Static Water Level: 6.89 feet below TOC

Total Depth: 35.27 feet below TOC

Water Column: 28.38 feet

Purging Activities

Purged By: TC — Purge Date: 2/21/2025

Purge Method: Peristaltic Pump — Well Diameter: 4"

Purge Volume Calculation (L): 28.38 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 8.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:54	0.0	308	purge start time						
10:02	2.5	↓	7.01	681.10	9.04	7.11	68.90	5.04	
10:05	3.4		7.03	681.10	8.94	6.96	69.60	6.98	
10:08	4.3		7.04	680.60	9.10	6.78	70.30	5.30	
10:11	5.2		7.05	680.30	9.12	6.57	71.10	3.96	
10:14	6.2		7.06	681.50	9.11	6.44	71.80	3.31	
10:17	7.1		7.07	681.00	8.82	6.31	72.70	3.08	
10:20	8.0		7.07	679.80	9.47	6.27	73.10	3.06	

Sampling Activities

Sampled By: TC — Sample Date/Time: 2/21/2025 10:20

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 7.07 pH — 679.80 Spec. Cond. — 9.47 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 10.02 feet below TOC — Drawdown: 3.13 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Tracy Carroll — **Date:** 2/21/2025

Field Data Sheet

Project Name: FGDS LF
Project Location: Springfield, IL
W.O. Number (s): 25020750
Monitoring Point: G110
Sample ID: 002
Date (s): 2/19/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 16 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 13:10
Static Water Level: 24.40 feet below TOC
Total Depth: 57.15 feet below TOC
Water Column: 32.75 feet

Purging Activities

Purged By: JC Purge Date: 2/19/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 32.75 ft. x 0.022 = 0.72 L x 3 Vol. = 2.16 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	267	purge start time						
13:16	1.6	↓	6.81	695.30	11.06	1.69	-80.60	2.57	
13:19	2.4		6.81	694.80	11.20	1.54	-84.90	2.32	
13:22	3.2		6.80	694.80	11.05	1.41	-87.40	2.86	
13:25	4.0		6.80	693.10	11.20	1.33	-89.00	4.16	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/19/2025 13:25
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH 693.10 Spec. Cond. 11.20 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 24.48 feet below TOC Drawdown: 0.08 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp **Date:** 2/19/2025

Field Data Sheet

Project Name: FGDS LF
Project Location: Springfield, IL
W.O. Number (s): 25020750
Monitoring Point: R111
Sample ID: 003
Date (s): 2/20/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 11:26
Static Water Level: 25.04 feet below TOC
Total Depth: 55.75 feet below TOC
Water Column: 30.71 feet

Purging Activities

Purged By: JC Purge Date: 2/20/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 30.71 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:27	0.0	214	purge start time						
11:32	1.1	↓	6.94	851.90	8.56	1.64	-103.20	6.33	
11:35	1.7		6.92	806.60	8.51	1.39	-107.50	4.95	
11:38	2.4		6.89	895.30	8.40	1.29	-109.10	3.74	
11:41	3.0		6.86	1,087.10	8.21	1.23	-109.20	3.75	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/20/2025 11:41
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.86 pH 1,087.10 Spec. Cond. 8.21 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 25.18 feet below TOC Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp **Date:** 2/20/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	G112
Project Location:	Springfield, IL	**Sample ID:**	004
W.O. Number (s):	25020750	**Date (s):**	2/20/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 12:38

Static Water Level: 28.49 feet below TOC

Total Depth: 58.81 feet below TOC

Water Column: 30.32 feet

Purging Activities

Purged By: JC — Purge Date: 2/20/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 30.32 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:40	0.0	200	purge start time						
12:46	1.2	↓	7.06	1,328.20	8.92	2.09	-120.20	4.12	
12:49	1.8		7.06	1,336.20	8.54	2.39	-124.20	3.97	
12:52	2.4		7.07	1,342.30	8.55	2.47	-124.60	4.26	
12:55	3.0		7.07	1,363.10	8.65	2.50	-123.60	3.81	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/20/2025 12:55

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

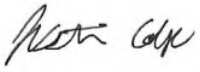
Sample Parameters: 7.07 pH — 1,363.10 Spec. Cond. — 8.65 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 28.49 feet below TOC — Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By:  **Date:** 2/20/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	G113
Project Location:	Springfield, IL	**Sample ID:**	005
W.O. Number (s):	25020750	**Date (s):**	2/21/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/21/2025 9:11

Static Water Level: 5.01 feet below TOC

Total Depth: 12.85 feet below TOC

Water Column: 7.84 feet

Purging Activities

Purged By: JC — Purge Date: 2/21/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 7.84 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 2.50 L

Physical appearance of purge water: Cloudy — Odor: None — Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:27	0.0	167	purge start time						
9:30	0.5	↓	6.55	1,694.40	5.46	2.95	-105.30	84.13	
9:33	1.0		6.47	1,683.60	4.66	1.88	-96.90	82.59	
9:36	1.5		6.43	1,681.50	4.84	1.65	-98.10	59.92	
9:39	2.0		6.41	1,680.30	5.12	1.48	-100.40	59.73	
9:42	2.5		6.40	1,688.90	5.02	1.32	-102.50	68.40	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/21/2025 9:42

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.40 pH — 1,688.90 Spec. Cond. — 5.02 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 7.45 feet below TOC — Drawdown: 2.44 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/21/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	G120
Project Location:	Springfield, IL	**Sample ID:**	006
W.O. Number (s):	25020750	**Date (s):**	2/21/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F Wind Direction: ☐ N ☐ S ☑ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/21/2025 9:15

Static Water Level: 15.89 feet below TOC

Total Depth: 50.37 feet below TOC

Water Column: 34.48 feet

Purging Activities

Purged By: BG Purge Date: 2/21/2025

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 34.48 ft. x 0.022 = 0.76 L x 3 Vol. = 2.28 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: Moderate Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:15	0.0	286	purge start time						
9:24	2.6	↓	6.68	1,927.00	11.01	3.56	-117.50	72.51	
9:27	3.4		6.66	1,924.20	13.36	2.96	-123.80	21.63	
9:30	4.3		6.66	1,923.00	13.29	2.61	-127.10	12.70	
9:33	5.1		6.66	1,921.80	13.29	2.37	-128.90	13.74	
9:36	6.0		6.66	1,914.80	13.23	2.20	-130.40	16.78	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/21/2025 9:36

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 6.66 pH 1,914.80 Spec. Cond. 13.23 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 16.34 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Brett Gillihan **Date:** 2/21/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	G121
Project Location:	Springfield, IL	**Sample ID:**	007
W.O. Number (s):	25020750	**Date (s):**	2/20/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/21/2025 13:01

Static Water Level: 28.25 feet below TOC

Total Depth: 58.56 feet below TOC

Water Column: 30.31 feet

Purging Activities

Purged By: BG Purge Date: 2/20/2025

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.31 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 10.00 L

Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:01	0.0	417	purge start time						
13:13	5.0	↓	6.95	1,563.90	12.00	3.36	-117.40	41.75	
13:16	6.3		6.95	1,579.30	12.12	2.80	-121.70	27.75	
13:19	7.5		6.95	1,565.20	12.25	2.47	-123.30	33.21	
13:22	8.8		6.95	1,564.30	12.48	2.19	-126.30	30.81	
13:25	10.0		6.95	1,565.50	12.64	1.97	-128.70	30.48	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/20/2025 13:25

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 6.95 pH 1,565.50 Spec. Cond. 12.64 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 29.31 feet below TOC Drawdown: 1.06 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Brett Gillihan **Date:** 2/20/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	G122
Project Location:	Springfield, IL	**Sample ID:**	008
W.O. Number (s):	25020750	**Date (s):**	2/20/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 18 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 13:21

Static Water Level: 29.72 feet below TOC

Total Depth: 49.29 feet below TOC

Water Column: 19.57 feet

Purging Activities

Purged By: JC — Purge Date: 2/20/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 19.57 ft. x 0.022 = 0.43 L x 3 Vol. = 1.29 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:21	0.0	222	purge start time						
13:24	0.7	↓	6.95	1,403.30	11.69	3.44	-26.40	13.20	
13:27	1.3		6.84	1,426.70	10.26	2.18	-15.00	13.16	
13:30	2.0		6.80	1,417.30	10.09	1.92	-9.40	12.82	
13:33	2.7		6.78	1,421.70	10.05	1.78	-6.40	12.78	
13:36	3.3		6.76	1,419.90	10.15	1.56	-4.50	13.40	
13:39	4.0		6.75	1,424.40	10.11	1.48	-3.20	14.15	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/20/2025 13:39

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.75 pH — 1,424.40 Spec. Cond. — 10.11 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 29.76 feet below TOC — Drawdown: 0.04 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/20/2025

Field Data Sheet

Project Name: FGDS LF
Project Location: Springfield, IL
W.O. Number (s): 25020750
Monitoring Point: AW-1
Sample ID: 009
Date (s): 2/20/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 12:06
Static Water Level: 13.45 feet below TOC
Total Depth: 54.81 feet below TOC
Water Column: 41.36 feet

Purging Activities

Purged By: JC Purge Date: 2/20/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 41.36 ft. x 0.022 = 0.91 L x 3 Vol. = 2.73 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:07	0.0	214	purge start time						
12:15	1.7	↓	6.66	1,309.30	8.60	5.87	-75.60	9.62	
12:18	2.4		6.65	1,312.30	8.97	6.03	-77.20	8.26	
12:21	3.0		6.64	1,313.90	9.02	6.19	-78.20	8.45	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/20/2025 12:21
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.64 pH 1,313.90 Spec. Cond. 9.02 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.57 feet below TOC Drawdown: 2.12 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp **Date:** 2/20/2025

Field Data Sheet

Project Name: FGDS LF
Project Location: Springfield, IL
W.O. Number (s): 25020750
Monitoring Point: AW-2
Sample ID: 010
Date (s): 2/20/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 6 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 9:42
Static Water Level: 4.53 feet below TOC
Total Depth: 32.64 feet below TOC
Water Column: 28.11 feet

Purging Activities

Purged By: JC — Purge Date: 2/20/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 28.11 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:53	0.0	240	purge start time						
9:57	1.0	↓	7.08	771.10	5.54	2.16	47.20	37.34	
10:00	1.7		7.05	764.70	4.92	1.87	35.40	40.57	
10:03	2.4		7.05	763.70	5.38	1.63	18.90	30.93	
10:06	3.1		7.05	764.50	5.25	1.51	7.50	25.69	
10:09	3.8		7.05	765.40	5.92	1.38	4.20	26.14	
10:12	4.6		7.05	767.40	5.19	1.34	1.30	17.26	
10:15	5.3		7.05	766.70	5.52	1.29	0.40	13.58	
10:18	6.0		7.05	763.60	5.52	1.27	-0.10	17.95	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/20/2025 10:18
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 7.05 pH — 763.60 Spec. Cond. — 5.52 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 5.49 feet below TOC — Drawdown: 0.96 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/20/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	RW-3
Project Location:	Springfield, IL	**Sample ID:**	011
W.O. Number (s):	25020750	**Date (s):**	2/18/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 8 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	No			

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 11:44

Static Water Level: 9.56 feet below TOC

Total Depth: 44.01 feet below TOC

Water Column: 34.45 feet

Purging Activities

Purged By: JC Purge Date: 2/18/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 34.45 ft. x 0.022 = 0.76 L x 3 Vol. = 2.28 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: ltbrown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:45	0.0	333	purge start time						
11:48	1.0	↓	7.08	616.30	11.66	1.23	-125.20	41.78	
11:51	2.0		7.08	629.50	11.89	0.70	-143.50	48.63	
11:54	3.0		7.09	631.70	11.94	0.58	-151.00	29.58	
11:57	4.0		7.10	629.70	11.94	0.54	-154.20	25.24	
12:00	5.0		7.10	622.80	11.96	0.54	-154.20	20.73	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/18/2025 12:00

Sample Method: Low Flow Sample Equipment: Bladder Pump

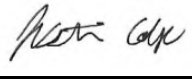
Sample Parameters: 7.10 pH 622.80 Spec. Cond. 11.96 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 15.15 feet below TOC Drawdown: 5.59 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By:  **Date:** 2/18/2025

Field Data Sheet

Project Name:	FGDS LF	**Monitoring Point:**	P07D
Project Location:	Springfield, IL	**Sample ID:**	012
W.O. Number (s):	25020750	**Date (s):**	2/20/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 7 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 10:31

Static Water Level: 4.49 feet below TOC

Total Depth: 32.54 feet below TOC

Water Column: 28.05 feet

Purging Activities

Purged By: JC — Purge Date: 2/20/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 28.05 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: ltbrown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:34	0.0	184	purge start time						
11:00	4.8	↓	6.77	1,251.80	8.06	1.22	-106.10	63.75	
11:03	5.3		6.78	1,248.00	7.78	1.21	-109.50	55.28	
11:06	5.9		6.77	1,250.70	7.60	1.08	-111.70	46.90	
11:09	6.4		6.77	1,251.50	8.27	1.01	-113.80	40.37	
11:12	7.0		6.78	1,252.30	8.21	0.99	-115.20	40.04	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/20/2025 11:12

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.10 pH — 622.80 Spec. Cond. — 11.96 Temp

Field Filtered: No — Filter Type:

Water Level: 4.55 feet below TOC — Drawdown: 0.06 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/20/2025

Site Sampling Event: FGDS Landfill
LIMS Workorder: 25020750
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

SC_093

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 50115 Technician(s): justin colp Date: 2/18/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/18/25 9:30
7.0 Buffer	wc240913b	7.00	2/18/25 9:26
10.0 Buffer	wc240625b	10.00	2/18/25 9:34
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/18/25 9:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.5	2/18/25 9:42
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	2/18/25 9:44	17.5	7.02	1,410	0.51		
CCV-1-JC	CCV	2/18/25 13:20	18.5	7.06	1,423	0.57		

Comments:

Field Meter ID: Pine 50115 Technician(s): justn colp Date: 2/19/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/19/25 10:31
7.0 Buffer	wc240913b	7.00	2/19/25 10:28
10.0 Buffer	wc240625b	10.00	2/19/25 10:36
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/19/25 10:47

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.49	2/19/25 10:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	2/19/25 10:55	9.1	7.01	1,411	0.47		
CCV-2-JC	CCV	2/19/25 14:29	11.1	7.03	1,417	0.56		

Comments:

Site Sampling Event: FGDS Landfill
LIMS Workorder: 25020750
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

SC_094

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 50115 Technician(s): justin colp Date: 2/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/20/25 8:56
7.0 Buffer	wc240913b	7.00	2/20/25 8:51
10.0 Buffer	wc240625b	10.00	2/20/25 9:00
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/20/25 9:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.5	2/20/25 9:06
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	2/20/25 9:08	9.3	6.99	1,415	0.5		
CCV-3-JC	CCV	2/20/25 13:42	10.4	7.02	1,426	0.54		

Comments:

Field Meter ID: Pine 50115 Technician(s): justin colp Date: 2/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/21/25 8:41
7.0 Buffer	wc240913b	7.00	2/21/25 8:37
10.0 Buffer	wc240625b	10.00	2/21/25 8:45
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/21/25 8:53

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.6	2/21/25 8:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	2/21/25 8:55	9.4	7.02	1,413	0.62		
CCV-4-JC	CCV	2/21/25 10:30	9.7	7.02	1,418	0.61		

Comments:

Site Sampling Event: FGDS Landfill
LIMS Workorder: 25020750
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/19/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.01	2/19/25 11:14
7.0 Buffer	WC240913B	7.00	2/19/25 11:11
10.0 Buffer	WC240625B	10.00	2/19/25 11:19
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/19/25 11:05

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	2/19/25 11:21	0.3	7.06	1,413			
CCV-1-TC	CCV	2/19/25 14:27	13.7	7.08	1,321			

Comments:

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.00	2/20/25 9:55
7.0 Buffer	WC240913B	7.00	2/20/25 9:49
10.0 Buffer	WC240625B	10.00	2/20/25 10:12
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/20/25 10:13

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	2/20/25 10:25	0.6	7.09	1,417			
CCV-2-TC	CCV	2/20/25 14:35	0.8	7.09	1,423			

Comments:

Site Sampling Event: FGDS Landfill
LIMS Workorder: 25020750
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

SC_096

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.01	2/21/25 9:29
7.0 Buffer	WC240913B	7.00	2/21/25 9:21
10.0 Buffer	WC240625B	10.00	2/21/25 9:33
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/21/25 9:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	2/21/25 9:44	0.2	7.05	1,415			
CCV-3-TC	CCV	2/21/25 10:46	0.2	7.06	1,404			

Comments:

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

March 31, 2025

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 25020750

Order No.: 25030052

Dear Shelly Hennessy:

Alliance Technical Group - Akron received 12 sample(s) on 2/27/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Alliance Technical Group - Akron
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Case Narrative

WO#: **25030052**
Date: **3/31/2025**

CLIENT: TEKLAB Inc,
Project: 25020750

WorkOrder Narrative:
25030052: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence QC Notes:
LCS/LCSD-82663 Radium-228_DW(904.0): LCS/LCSD exhibited a high RPD, individually each LCS/LCSD meets the required criteria.

Alliance Technical Group - Akro
3310 Win S
Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **25030052**
Date: **3/31/2025**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*****	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Alliance Technical Group - Akron
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **25030052**
31-Mar-25

CLIENT: TEKLAB Inc,
Project: 25020750

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25030052-001	25020750-001		2/21/2025 10:20:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-002	25020750-002		2/19/2025 1:25:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-003	25020750-003		2/20/2025 11:41:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-004	25020750-004		2/20/2025 12:55:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-005	25020750-005		2/21/2025 9:42:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-006	25020750-006		2/21/2025 9:36:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-007	25020750-007		2/20/2025 1:25:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-008	25020750-008		2/20/2025 1:39:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-009	25020750-009		2/20/2025 12:21:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-010	25020750-010		2/20/2025 10:18:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-011	25020750-011		2/18/2025 12:00:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25030052-012	25020750-012		2/20/2025 11:12:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water

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DATES REPORT

WO#: **25030052**

31-Mar-25

SC_101

Client: TEKLAB Inc,
Project: 25020750

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25030052-001A	25020750-001	2/21/2025 10:20:00 AM	Non-Potable Water	Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25030052-002A	25020750-002	2/19/2025 1:25:00 PM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25030052-003A	25020750-003	2/20/2025 11:41:00 AM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25030052-004A	25020750-004	2/20/2025 12:55:00 PM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-005A	25020750-005	2/21/2025 9:42:00 AM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-006A	25020750-006	2/21/2025 9:36:00 AM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-007A	25020750-007	2/20/2025 1:25:00 PM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-008A	25020750-008	2/20/2025 1:39:00 PM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-009A	25020750-009	2/20/2025 12:21:00 PM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-010A	25020750-010	2/20/2025 10:18:00 AM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM
				Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM
25030052-011A	25020750-011	2/18/2025 12:00:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25030052-012A	25020750-012	2/20/2025 11:12:00 AM		Radium-226 (EPA 903.0)		3/8/2025 1:30:00 PM	3/23/2025 1:04:00 PM

Original

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DATES REPORT

WO#: **25030052**

31-Mar-25

SC_102

Client: TEKLAB Inc,
Project: 25020750

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25030052-012A	25020750-012	2/20/2025 11:12:00 AM	Non-Potable Water	Radium-228 (EPA 904.0)		3/8/2025 1:30:00 PM	3/21/2025 2:04:00 PM

Original

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/21/2025 10:20:00 AM
Project: 25020750
Lab ID: 25030052-001
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-001

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.100	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.380	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_103

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3310 Win St.
Cuyahoga Falls, Ohio 44223
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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 1:25:00 PM
Project: 25020750
Lab ID: 25030052-002
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-002

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.160	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.380	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_104

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3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 11:41:00 AM
Project: 25020750
Lab ID: 25030052-003
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-003

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.210	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.530	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_105

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 12:55:00 PM
Project: 25020750
Lab ID: 25030052-004
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-004

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.180	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.350	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_106

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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/21/2025 9:42:00 AM
Project: 25020750
Lab ID: 25030052-005
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-005

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.160	1	3/23/2025 1:04:00 PM
Yield	0.990					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.460	1	3/21/2025 2:04:00 PM
Yield	0.920					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_107

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/21/2025 9:36:00 AM
Project: 25020750
Lab ID: 25030052-006
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-006

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	2.75	1.00		pCi/L	± 0.360	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.470	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_108

Alliance Technical Group - Akron
3310 Win St.
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 1:25:00 PM
Project: 25020750
Lab ID: 25030052-007
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-007

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	1.97	1.00		pCi/L	± 0.300	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.460	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_109

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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 1:39:00 PM
Project: 25020750
Lab ID: 25030052-008
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-008

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.0800	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.280	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_110

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 12:21:00 PM
Project: 25020750
Lab ID: 25030052-009
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-009

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.200	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.500	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_111

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 10:18:00 AM
Project: 25020750
Lab ID: 25030052-010
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-010

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.110	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.290	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_112

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 12:00:00 PM
Project: 25020750
Lab ID: 25030052-011
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-011

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.30		pCi/L	± 0.110	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.30		pCi/L	± 0.440	1	3/26/2025 3:34:00 PM
Yield	0.780					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_113

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Analytical Report

(consolidated)

WO#: **25030052**

Date Reported: **3/31/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 11:12:00 AM
Project: 25020750
Lab ID: 25030052-012
Matrix: NON-POTABLE WATER
Client Sample ID: 25020750-012

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	1.17	1.00		pCi/L	± 0.240	1	3/23/2025 1:04:00 PM
Yield	1.00					1	3/23/2025 1:04:00 PM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	1.32	1.00		pCi/L	± 0.500	1	3/21/2025 2:04:00 PM
Yield	1.00					1	3/21/2025 2:04:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_114

Alliance TECHNICAL GROUP
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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_115

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82663**

Sample ID: **MB-82663**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205809**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5509486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-82663**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205809**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5509487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	6.47	1.00	5.000	0	129	50	130				QLR
Yield	0.580			0	0						

Sample ID: **LCSD-82663**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205809**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5509488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.45	1.00	5.000	0	89.0	50	130	6.470	37.0	20	R
Yield	1.00			0	0			0.5800	53.2		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_116

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82663**

Sample ID: **25021873-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205809**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E904.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5509493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	1.00			0	0			1.000	0		

Sample ID: **25021875-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205809**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E904.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5509495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			1.260	200	20	R
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**

31-Mar-25

SC_117

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82663**

Sample ID: **MB-82663** SampType: **MBLK** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-82663** SampType: **LCS** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	3.65	1.00	5.000	0	73.0	70	130				QLR

Sample ID: **LCSD-82663** SampType: **LCSD** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.97	1.00	5.000	0	99.4	70	130	3.650	30.6	20	R

Sample ID: **25021873-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_118

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82663**

Sample ID: **25021873-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Sample ID: **25021875-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_119

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82683**

Sample ID: **MB-82683**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205677**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/25/2025**	SeqNo: **5506861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-82683**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205677**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/25/2025**	SeqNo: **5506862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.54	1.00	5.000	0	70.8	50	130				
Yield	0.900			0	0						

Sample ID: **LCSD-82683**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205677**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/25/2025**	SeqNo: **5506863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.35	1.00	5.000	0	67.0	50	130	3.540	5.52	20	
Yield	1.00			0	0			0.9000	10.5		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_120

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82683**

Sample ID: **25030002-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205677**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E904.0** **E903-904** Analysis Date: **3/25/2025** SeqNo: **5506868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	1.00			0	0			1.000	0		

Sample ID: **25030004-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205677**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E904.0** **E903-904** Analysis Date: **3/25/2025** SeqNo: **5506870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_121

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82683**

Sample ID: **MB-82683**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-82683**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.48	1.00	5.000	0	89.6	70	130				

Sample ID: **LCSD-82683**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.61	1.00	5.000	0	92.2	70	130	4.480	2.86	20	

Sample ID: **25030002-001ADUP**	SampType: **DUP**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**

31-Mar-25

SC_122

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82683**

Sample ID: **25030002-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205680**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E903.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5506947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Sample ID: **25030004-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205680**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E903.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5506949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_123

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82776**

Sample ID: **MB-82776**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205482**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/21/2025**	SeqNo: **5502453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-82776**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205482**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/21/2025**	SeqNo: **5502454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.46	1.00	5.000	0	69.2	50	130				
Yield	1.00			0	0						

Sample ID: **LCSD-82776**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205482**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/21/2025**	SeqNo: **5502455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.00	1.00	5.000	0	80.0	50	130	3.460	14.5	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**

31-Mar-25

SC_124

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82776**

Sample ID: **25030057-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/8/2025** RunNo: **205482**
Client ID: **BatchQC** Batch ID: **82776** TestNo: **E904.0** **E903-904** Analysis Date: **3/21/2025** SeqNo: **5502474**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Sample ID: **25030059-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/8/2025** RunNo: **205482**
Client ID: **BatchQC** Batch ID: **82776** TestNo: **E904.0** **E903-904** Analysis Date: **3/21/2025** SeqNo: **5502476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**

31-Mar-25

SC_125

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82776**

Sample ID: **MB-82776**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205492**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/23/2025**	SeqNo: **5502642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-82776**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205492**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/23/2025**	SeqNo: **5502643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.72	1.00	5.000	0	94.4	70	130				

Sample ID: **LCSD-82776**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205492**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/23/2025**	SeqNo: **5502644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.29	1.00	5.000	0	106	70	130	4.720	11.4	20	

Sample ID: **25030057-001ADUP**	SampType: **DUP**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/8/2025**	RunNo: **205492**
Client ID: **BatchQC**	Batch ID: **82776**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/23/2025**	SeqNo: **5502658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25030052**
31-Mar-25

SC_126

Client: TEKLAB Inc,
Project: 25020750 **BatchID:** **82776**

Sample ID: **25030057-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/8/2025** RunNo: **205492**
Client ID: **BatchQC** Batch ID: **82776** TestNo: **E903.0** **E903-904** Analysis Date: **3/23/2025** SeqNo: **5502658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	R
Yield	1.00							1.000	0	0	

Sample ID: **25030059-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/8/2025** RunNo: **205492**
Client ID: **BatchQC** Batch ID: **82776** TestNo: **E903.0** **E903-904** Analysis Date: **3/23/2025** SeqNo: **5502660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Sample Log-In Check List

Client Name: TEK-IL-62234-A Work Order Number: 25030052 RcptNo: 1

Logged by:	Anthony W. Britton	2/27/2025 11:30:00 AM	Anthony Britton
Completed By:	Tegan A. Richards	3/1/2025 6:16:55 PM	Tegan Richards
Reviewed By:	Jennifer Woolf	3/3/2025 11:03:50 AM	Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐
   No. Seal Date: 2/25/2025 Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   Not required
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:
    Relinquish time & dare not included

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	18.8	Good	Yes		2/25/2025	

SC_129

March 31, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells **WorkOrder:** 25020749

Dear Eric Staley:

TEKLAB, INC received 20 samples on 2/21/2025 12:22:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	26
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25020749

Client Project: Ash Pond Monitoring Wells **Report Date:** 31-Mar-25

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25020749

Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25020749
Report Date: 31-Mar-25

Cooler Receipt Temp: 9.9 °C

An employee of Teklab, Inc. collected the sample(s).

AP-14 was frozen, no sample collected.

Radium 226/228 analysis was performed by Alliance Technical Group. See attached report for results.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-001
Client Sample ID: RW-3
Matrix: GROUNDWATER
Collection Date: 02/18/2025 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.49**	ft	1	02/18/2025 12:00	R360883
Depth to water	*	-5.00		**6.86**	ft	1	02/18/2025 12:00	R360883
Depth to water from measuring point	*	0		**9.56**	ft	1	02/18/2025 12:00	R360883
Elevation of groundwater surface	*	0		**529.94**	ft	1	02/18/2025 12:00	R360883
Measuring Point Elevation	*	0		**539.50**	ft	1	02/18/2025 12:00	R360883
Measuring Point Height Above Land Surface	*	0		**2.70**	ft	1	02/18/2025 12:00	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**21**	NTU	1	02/18/2025 12:00	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**53.5**	°F	1	02/18/2025 12:00	R360883
SW-846 9040B								
pH, Field	*	1.00		**7.10**		1	02/18/2025 12:00	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**623**	µmhos/cm @25C	1	02/18/2025 12:00	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	25		**372**	mg/L	1.25	02/19/2025 10:55	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/19/2025 9:38	R360503
Chloride	NELAP	5.00		**25.4**	mg/L	10	02/19/2025 9:38	R360503
Sulfate	NELAP	10.0		**ND**	mg/L	10	02/19/2025 9:38	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.136**	mg/L	1	02/20/2025 17:08	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:08	234945
Boron	NELAP	0.0200		**0.126**	mg/L	1	02/20/2025 17:08	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:08	234945
Calcium	NELAP	0.100		**64.5**	mg/L	1	02/24/2025 11:25	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:08	234945
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:08	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:08	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:08	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:19	234945
Arsenic	NELAP	0.0010		**0.0961**	mg/L	5	02/20/2025 11:19	234945
Lithium	*	0.0030		**0.0047**	mg/L	5	02/24/2025 8:08	234945
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:19	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 11:19	234945
LCS recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:09	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-002
Client Sample ID: AP-1
Matrix: GROUNDWATER
Collection Date: 02/18/2025 12:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**504.29**	ft	1	02/18/2025 12:38	R360883
Depth to water	*	-5.00		**8.52**	ft	1	02/18/2025 12:38	R360883
Depth to water from measuring point	*	0		**10.79**	ft	1	02/18/2025 12:38	R360883
Elevation of groundwater surface	*	0		**524.58**	ft	1	02/18/2025 12:38	R360883
Measuring Point Elevation	*	0		**535.37**	ft	1	02/18/2025 12:38	R360883
Measuring Point Height Above Land Surface	*	0		**2.27**	ft	1	02/18/2025 12:38	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**17**	NTU	1	02/18/2025 12:38	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.8**	°F	1	02/18/2025 12:38	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.55**		1	02/18/2025 12:38	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1670**	µmhos/cm @25C	1	02/18/2025 12:38	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	33		**1600**	mg/L	1.67	02/19/2025 10:56	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/19/2025 9:49	R360503
Chloride	NELAP	5.00		**49.3**	mg/L	10	02/19/2025 9:49	R360503
Sulfate	NELAP	10.0		**834**	mg/L	10	02/19/2025 9:49	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.307**	mg/L	1	02/20/2025 17:09	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:09	234945
Boron	NELAP	0.200		**21.7**	mg/L	10	02/25/2025 11:16	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:09	234945
Calcium	NELAP	0.100		**245**	mg/L	1	02/24/2025 11:32	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:09	234945
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:09	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:09	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:09	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:25	234945
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:25	234945
Lithium	*	0.0030		**0.0105**	mg/L	5	02/24/2025 8:14	234945
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:25	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 11:25	234945
LCS recovered outside upper control limitsfor Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:12	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-003
Client Sample ID: AP-2
Matrix: GROUNDWATER
Collection Date: 02/18/2025 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.77**	ft	1	02/18/2025 13:15	R360883
Depth to water	*	-5.00		**5.37**	ft	1	02/18/2025 13:15	R360883
Depth to water from measuring point	*	0		**7.87**	ft	1	02/18/2025 13:15	R360883
Elevation of groundwater surface	*	0		**528.23**	ft	1	02/18/2025 13:15	R360883
Measuring Point Elevation	*	0		**536.10**	ft	1	02/18/2025 13:15	R360883
Measuring Point Height Above Land Surface	*	0		**2.50**	ft	1	02/18/2025 13:15	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**25**	NTU	1	02/18/2025 13:15	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**52.3**	°F	1	02/18/2025 13:15	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.44**		1	02/18/2025 13:15	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1250**	µmhos/cm @25C	1	02/18/2025 13:15	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**1070**	mg/L	1	02/19/2025 10:57	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/19/2025 10:01	R360503
Chloride	NELAP	5.00		**35.8**	mg/L	10	02/19/2025 10:01	R360503
Sulfate	NELAP	10.0		**397**	mg/L	10	02/19/2025 10:01	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0710**	mg/L	1	02/20/2025 17:10	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:10	234945
Boron	NELAP	0.0200		**3.53**	mg/L	1	02/20/2025 17:10	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:10	234945
Calcium	NELAP	0.100		**198**	mg/L	1	02/24/2025 11:33	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:10	234945
Cobalt	NELAP	0.0050		**0.0140**	mg/L	1	02/24/2025 11:33	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:10	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:10	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:31	234945
Arsenic	NELAP	0.0010		**0.0022**	mg/L	5	02/20/2025 11:31	234945
Lithium	*	0.0030		**0.0060**	mg/L	5	02/24/2025 8:19	234945
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:31	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 11:31	234945
LCS recovered outside upper control limitsfor Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:14	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-004
Client Sample ID: AP-3
Matrix: GROUNDWATER
Collection Date: 02/19/2025 11:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.45**	ft	1	02/19/2025 11:54	R360883
Depth to water	*	-5.00		**7.20**	ft	1	02/19/2025 11:54	R360883
Depth to water from measuring point	*	0		**9.75**	ft	1	02/19/2025 11:54	R360883
Elevation of groundwater surface	*	0		**525.50**	ft	1	02/19/2025 11:54	R360883
Measuring Point Elevation	*	0		**535.25**	ft	1	02/19/2025 11:54	R360883
Measuring Point Height Above Land Surface	*	0		**2.55**	ft	1	02/19/2025 11:54	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**61**	NTU	1	02/19/2025 11:54	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**52.1**	°F	1	02/19/2025 11:54	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.54**		1	02/19/2025 11:54	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1270**	µmhos/cm @25C	1	02/19/2025 11:54	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	25		**1150**	mg/L	1.25	02/20/2025 11:38	R360650
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/20/2025 10:28	R360529
Chloride	NELAP	5.00		**61.5**	mg/L	10	02/20/2025 10:28	R360529
Sulfate	NELAP	10.0		**569**	mg/L	10	02/20/2025 10:28	R360529
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.120**	mg/L	1	02/20/2025 16:39	235016
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 16:39	235016
Boron	NELAP	0.0200		**12.1**	mg/L	1	02/20/2025 16:39	235016
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 16:39	235016
Calcium	NELAP	0.100		**168**	mg/L	1	02/24/2025 10:50	235016
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:39	235016
Cobalt	NELAP	0.0050		**0.0057**	mg/L	1	02/20/2025 16:39	235016
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 16:39	235016
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 16:39	235016
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 14:51	235016
Arsenic	NELAP	0.0010		**0.0137**	mg/L	5	02/20/2025 14:51	235016
Lithium	*	0.0030		**0.0052**	mg/L	5	02/20/2025 14:51	235016
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 14:51	235016
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 14:51	235016
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/20/2025 10:35	235028
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-005
Client Sample ID: AP-4
Matrix: GROUNDWATER
Collection Date: 02/18/2025 10:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.19**	ft	1	02/18/2025 10:38	R360883
Depth to water	*	-5.00		**7.54**	ft	1	02/18/2025 10:38	R360883
Depth to water from measuring point	*	0		**10.68**	ft	1	02/18/2025 10:38	R360883
Elevation of groundwater surface	*	0		**544.92**	ft	1	02/18/2025 10:38	R360883
Measuring Point Elevation	*	0		**555.60**	ft	1	02/18/2025 10:38	R360883
Measuring Point Height Above Land Surface	*	0		**3.14**	ft	1	02/18/2025 10:38	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**18**	NTU	1	02/18/2025 10:38	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.8**	°F	1	02/18/2025 10:38	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.78**		1	02/18/2025 10:38	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**786**	µmhos/cm @25C	1	02/18/2025 10:38	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	33		**508**	mg/L	1.67	02/19/2025 10:57	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/19/2025 10:13	R360503
Chloride	NELAP	5.00		**12.4**	mg/L	10	02/19/2025 10:13	R360503
Sulfate	NELAP	10.0		**ND**	mg/L	10	02/19/2025 10:13	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.378**	mg/L	1	02/20/2025 17:10	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:10	234945
Boron	NELAP	0.0200		**0.0913**	mg/L	1	02/20/2025 17:10	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:10	234945
Calcium	NELAP	0.100		**113**	mg/L	1	02/24/2025 11:34	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:10	234945
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:10	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:10	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:10	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**0.0014**	mg/L	5	02/21/2025 12:06	234945
Arsenic	NELAP	0.0010		**0.0210**	mg/L	5	02/20/2025 11:36	234945
Lithium	*	0.0030		**0.0087**	mg/L	5	02/24/2025 8:25	234945
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:36	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 11:36	234945
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:16	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-006
Client Sample ID: AP-5
Matrix: GROUNDWATER
Collection Date: 02/18/2025 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**552.63**	ft	1	02/18/2025 10:10	R360883
Depth to water	*	-5.00		**12.68**	ft	1	02/18/2025 10:10	R360883
Depth to water from measuring point	*	0		**14.98**	ft	1	02/18/2025 10:10	R360883
Elevation of groundwater surface	*	0		**568.92**	ft	1	02/18/2025 10:10	R360883
Measuring Point Elevation	*	0		**583.90**	ft	1	02/18/2025 10:10	R360883
Measuring Point Height Above Land Surface	*	0		**2.30**	ft	1	02/18/2025 10:10	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**2.7**	NTU	1	02/18/2025 10:10	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**53.4**	°F	1	02/18/2025 10:10	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.83**		1	02/18/2025 10:10	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**662**	µmhos/cm @25C	1	02/18/2025 10:10	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**474**	mg/L	1	02/19/2025 10:57	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/19/2025 11:23	R360503
Chloride	NELAP	5.00		**8.40**	mg/L	10	02/19/2025 11:23	R360503
Sulfate	NELAP	10.0		**59.7**	mg/L	10	02/19/2025 11:23	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0532**	mg/L	1	02/20/2025 17:11	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:11	234945
Boron	NELAP	0.0200		**0.0435**	mg/L	1	02/20/2025 17:11	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:11	234945
Calcium	NELAP	0.100		**97.3**	mg/L	1	02/24/2025 11:35	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:11	234945
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:11	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:11	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:11	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:42	234945
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 11:42	234945
Lithium	*	0.0030		**0.0043**	mg/L	5	02/24/2025 9:56	234945
Selenium	NELAP	0.0010		**0.0011**	mg/L	5	02/20/2025 11:42	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 11:42	234945
LCS recovered outside upper control limitsfor Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:18	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-007
Client Sample ID: AP-6
Matrix: GROUNDWATER
Collection Date: 02/18/2025 11:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**498.20**	ft	1	02/18/2025 11:32	R360883
Depth to water	*	-5.00		**6.14**	ft	1	02/18/2025 11:32	R360883
Depth to water from measuring point	*	0		**8.56**	ft	1	02/18/2025 11:32	R360883
Elevation of groundwater surface	*	0		**529.26**	ft	1	02/18/2025 11:32	R360883
Measuring Point Elevation	*	0		**537.82**	ft	1	02/18/2025 11:32	R360883
Measuring Point Height Above Land Surface	*	0		**2.42**	ft	1	02/18/2025 11:32	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**7.8**	NTU	1	02/18/2025 11:32	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**52.0**	°F	1	02/18/2025 11:32	R360883
SW-846 9040B								
pH, Field	*	1.00		**7.21**		1	02/18/2025 11:32	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**617**	µmhos/cm @25C	1	02/18/2025 11:32	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**398**	mg/L	1	02/19/2025 10:59	R360584
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**0.54**	mg/L	10	02/19/2025 11:34	R360503
Chloride	NELAP	5.00		**33.0**	mg/L	10	02/19/2025 11:34	R360503
Sulfate	NELAP	10.0		**ND**	mg/L	10	02/19/2025 11:34	R360503
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.137**	mg/L	1	02/20/2025 17:12	234945
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 17:12	234945
Boron	NELAP	0.0200		**0.228**	mg/L	1	02/20/2025 17:12	234945
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 17:12	234945
Calcium	NELAP	0.100		**64.4**	mg/L	1	02/24/2025 11:35	234945
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:12	234945
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 17:12	234945
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 17:12	234945
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 17:12	234945
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 12:28	234945
Arsenic	NELAP	0.0010		**0.0120**	mg/L	5	02/20/2025 12:28	234945
Lithium	*	0.0030		**0.0063**	mg/L	5	02/24/2025 10:01	234945
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 12:28	234945
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 12:28	234945
LCS recovered outside upper control limitsfor Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/19/2025 11:25	234976
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-008
Client Sample ID: AP-7
Matrix: GROUNDWATER
Collection Date: 02/20/2025 11:42

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**496.50**	ft	1	02/20/2025 11:42	R360883
Depth to water	*	-5.00		**9.26**	ft	1	02/20/2025 11:42	R360883
Depth to water from measuring point	*	0		**11.92**	ft	1	02/20/2025 11:42	R360883
Elevation of groundwater surface	*	0		**527.10**	ft	1	02/20/2025 11:42	R360883
Measuring Point Elevation	*	0		**539.02**	ft	1	02/20/2025 11:42	R360883
Measuring Point Height Above Land Surface	*	0		**2.66**	ft	1	02/20/2025 11:42	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**50**	NTU	1	02/20/2025 11:42	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**53.5**	°F	1	02/20/2025 11:42	R360883
SW-846 9040B								
pH, Field	*	1.00		**7.38**		1	02/20/2025 11:42	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**795**	µmhos/cm @25C	1	02/20/2025 11:42	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**430**	mg/L	1	02/21/2025 14:52	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 11:39	R360629
Chloride	NELAP	5.00		**51.7**	mg/L	10	02/21/2025 11:39	R360629
Sulfate	NELAP	10.0		**11.6**	mg/L	10	02/21/2025 11:39	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.105**	mg/L	1	02/24/2025 13:34	235068
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 13:34	235068
Boron	NELAP	0.0200		**0.244**	mg/L	1	02/24/2025 13:34	235068
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 13:34	235068
Calcium	NELAP	0.100		**57.6**	mg/L	1	02/24/2025 13:34	235068
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 13:34	235068
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 13:34	235068
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 13:34	235068
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 13:34	235068
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:30	235068
Arsenic	NELAP	0.0010		**0.0248**	mg/L	5	02/25/2025 8:04	235068
Lithium	*	0.0030		**0.0056**	mg/L	5	02/25/2025 8:04	235068
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:30	235068
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 11:30	235068
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:12	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-009
Client Sample ID: AP-8
Matrix: GROUNDWATER
Collection Date: 02/19/2025 12:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**497.60**	ft	1	02/19/2025 12:26	R360883
Depth to water	*	-5.00		**2.61**	ft	1	02/19/2025 12:26	R360883
Depth to water from measuring point	*	0		**5.51**	ft	1	02/19/2025 12:26	R360883
Elevation of groundwater surface	*	0		**531.69**	ft	1	02/19/2025 12:26	R360883
Measuring Point Elevation	*	0		**537.20**	ft	1	02/19/2025 12:26	R360883
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	02/19/2025 12:26	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.2**	NTU	1	02/19/2025 12:26	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**49.2**	°F	1	02/19/2025 12:26	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.89**		1	02/19/2025 12:26	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**850**	µmhos/cm @25C	1	02/19/2025 12:26	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	25		**548**	mg/L	1.25	02/20/2025 11:39	R360650
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/20/2025 10:39	R360529
Chloride	NELAP	5.00		**22.5**	mg/L	10	02/20/2025 10:39	R360529
Sulfate	NELAP	10.0		**ND**	mg/L	10	02/20/2025 10:39	R360529
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.355**	mg/L	1	02/20/2025 16:40	235016
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 16:40	235016
Boron	NELAP	0.0200		**0.0784**	mg/L	1	02/24/2025 10:52	235016
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 16:40	235016
Calcium	NELAP	0.100		**91.3**	mg/L	1	02/24/2025 10:52	235016
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:40	235016
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:40	235016
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 16:40	235016
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 16:40	235016
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 14:57	235016
Arsenic	NELAP	0.0010		**0.0487**	mg/L	5	02/20/2025 14:57	235016
Lithium	*	0.0030		**0.0080**	mg/L	5	02/20/2025 14:57	235016
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 14:57	235016
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 14:57	235016
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/20/2025 10:52	235028
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-010
Client Sample ID: AP-9
Matrix: GROUNDWATER
Collection Date: 02/20/2025 12:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.70**	ft	1	02/20/2025 12:16	R360883
Depth to water	*	-5.00		**10.19**	ft	1	02/20/2025 12:16	R360883
Depth to water from measuring point	*	0		**13.29**	ft	1	02/20/2025 12:16	R360883
Elevation of groundwater surface	*	0		**527.01**	ft	1	02/20/2025 12:16	R360883
Measuring Point Elevation	*	0		**540.30**	ft	1	02/20/2025 12:16	R360883
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	02/20/2025 12:16	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**54**	NTU	1	02/20/2025 12:16	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**52.2**	°F	1	02/20/2025 12:16	R360883
SW-846 9040B								
pH, Field	*	1.00		**7.02**		1	02/20/2025 12:16	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1080**	µmhos/cm @25C	1	02/20/2025 12:16	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	200		**880**	mg/L	10	02/21/2025 14:53	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 11:51	R360629
Chloride	NELAP	5.00		**23.5**	mg/L	10	02/21/2025 11:51	R360629
Sulfate	NELAP	10.0		**16.1**	mg/L	10	02/21/2025 11:51	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.431**	mg/L	1	02/24/2025 14:38	235068
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 14:38	235068
Boron	NELAP	0.0200		**0.0874**	mg/L	1	02/24/2025 14:38	235068
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 14:38	235068
Calcium	NELAP	0.100		**98.4**	mg/L	1	02/24/2025 14:38	235068
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:38	235068
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:38	235068
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 14:38	235068
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 14:38	235068
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:36	235068
Arsenic	NELAP	0.0010		**0.0023**	mg/L	5	02/25/2025 8:10	235068
Lithium	*	0.0030		**0.0064**	mg/L	5	02/25/2025 8:10	235068
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:36	235068
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 11:36	235068
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:14	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-011
Client Sample ID: AP-10
Matrix: GROUNDWATER
Collection Date: 02/19/2025 12:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**499.43**	ft	1	02/19/2025 12:53	R360883
Depth to water	*	-5.00		**0.94**	ft	1	02/19/2025 12:53	R360883
Depth to water from measuring point	*	0		**4.04**	ft	1	02/19/2025 12:53	R360883
Elevation of groundwater surface	*	0		**533.46**	ft	1	02/19/2025 12:53	R360883
Measuring Point Elevation	*	0		**537.50**	ft	1	02/19/2025 12:53	R360883
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	02/19/2025 12:53	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**6.5**	NTU	1	02/19/2025 12:53	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**49.5**	°F	1	02/19/2025 12:53	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.67**		1	02/19/2025 12:53	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1090**	µmhos/cm @25C	1	02/19/2025 12:53	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	25		**788**	mg/L	1.25	02/20/2025 11:39	R360650
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/20/2025 10:51	R360529
Chloride	NELAP	5.00		**24.4**	mg/L	10	02/20/2025 10:51	R360529
Sulfate	NELAP	10.0		**84.4**	mg/L	10	02/20/2025 10:51	R360529
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.565**	mg/L	1	02/20/2025 16:40	235016
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 16:40	235016
Boron	NELAP	0.0200		**3.36**	mg/L	1	02/20/2025 16:40	235016
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 16:40	235016
Calcium	NELAP	0.100		**127**	mg/L	1	02/24/2025 10:52	235016
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:40	235016
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:40	235016
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 16:40	235016
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 16:40	235016
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 15:03	235016
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 15:03	235016
Lithium	*	0.0030		**0.0082**	mg/L	5	02/20/2025 15:03	235016
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 15:03	235016
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 15:03	235016
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/20/2025 10:54	235028
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-012
Client Sample ID: AP-11
Matrix: GROUNDWATER
Collection Date: 02/20/2025 11:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.15**	ft	1	02/20/2025 11:56	R360883
Depth to water	*	-5.00		**12.44**	ft	1	02/20/2025 11:56	R360883
Depth to water from measuring point	*	0		**15.24**	ft	1	02/20/2025 11:56	R360883
Elevation of groundwater surface	*	0		**522.86**	ft	1	02/20/2025 11:56	R360883
Measuring Point Elevation	*	0		**538.10**	ft	1	02/20/2025 11:56	R360883
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	02/20/2025 11:56	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**14**	NTU	1	02/20/2025 11:56	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**48.9**	°F	1	02/20/2025 11:56	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.40**		1	02/20/2025 11:56	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**706**	µmhos/cm @25C	1	02/20/2025 11:56	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**740**	mg/L	1	02/21/2025 14:54	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 12:37	R360629
Chloride	NELAP	5.00		**95.1**	mg/L	10	02/21/2025 12:37	R360629
Sulfate	NELAP	10.0		**65.5**	mg/L	10	02/21/2025 12:37	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.134**	mg/L	1	02/24/2025 14:39	235068
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 14:39	235068
Boron	NELAP	0.0200		**0.221**	mg/L	1	02/24/2025 14:39	235068
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 14:39	235068
Calcium	NELAP	0.100		**135**	mg/L	1	02/24/2025 14:39	235068
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:39	235068
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:39	235068
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 14:39	235068
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 14:39	235068
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:41	235068
Arsenic	NELAP	0.0010		**0.0015**	mg/L	5	02/25/2025 8:15	235068
Lithium	*	0.0030		**0.0040**	mg/L	5	02/25/2025 8:15	235068
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:41	235068
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 11:41	235068
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:21	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-013
Client Sample ID: AP-12
Matrix: GROUNDWATER
Collection Date: 02/20/2025 13:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**510.30**	ft	1	02/20/2025 13:06	R360883
Depth to water	*	-5.00		**15.18**	ft	1	02/20/2025 13:06	R360883
Depth to water from measuring point	*	0		**18.08**	ft	1	02/20/2025 13:06	R360883
Elevation of groundwater surface	*	0		**522.62**	ft	1	02/20/2025 13:06	R360883
Measuring Point Elevation	*	0		**540.70**	ft	1	02/20/2025 13:06	R360883
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	02/20/2025 13:06	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.6**	NTU	1	02/20/2025 13:06	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**51.3**	°F	1	02/20/2025 13:06	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.55**		1	02/20/2025 13:06	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1020**	µmhos/cm @25C	1	02/20/2025 13:06	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**1250**	mg/L	1	02/21/2025 14:54	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 12:49	R360629
Chloride	NELAP	5.00		**114**	mg/L	10	02/21/2025 12:49	R360629
Sulfate	NELAP	10.0		**433**	mg/L	10	02/21/2025 12:49	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0450**	mg/L	1	02/24/2025 14:41	235068
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 14:41	235068
Boron	NELAP	0.0200		**0.0217**	mg/L	1	02/24/2025 14:41	235068
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 14:41	235068
Calcium	NELAP	0.100		**197**	mg/L	1	02/24/2025 14:41	235068
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:41	235068
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:41	235068
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 14:41	235068
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 14:41	235068
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:47	235068
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	02/25/2025 8:21	235068
Lithium	*	0.0030		**0.0057**	mg/L	5	02/25/2025 8:21	235068
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 11:47	235068
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 11:47	235068
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:28	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-014
Client Sample ID: AP-13
Matrix: GROUNDWATER
Collection Date: 02/20/2025 13:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**511.00**	ft	1	02/20/2025 13:41	R360883
Depth to water	*	-5.00		**15.04**	ft	1	02/20/2025 13:41	R360883
Depth to water from measuring point	*	0		**18.44**	ft	1	02/20/2025 13:41	R360883
Elevation of groundwater surface	*	0		**523.56**	ft	1	02/20/2025 13:41	R360883
Measuring Point Elevation	*	0		**542.00**	ft	1	02/20/2025 13:41	R360883
Measuring Point Height Above Land Surface	*	0		**3.40**	ft	1	02/20/2025 13:41	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**6.7**	NTU	1	02/20/2025 13:41	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**50.7**	°F	1	02/20/2025 13:41	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.69**		1	02/20/2025 13:41	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**527**	µmhos/cm @25C	1	02/20/2025 13:41	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	200		**620**	mg/L	10	02/21/2025 14:55	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 13:01	R360629
Chloride	NELAP	5.00		**26.8**	mg/L	10	02/21/2025 13:01	R360629
Sulfate	NELAP	10.0		**94.5**	mg/L	10	02/21/2025 13:01	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.118**	mg/L	1	02/24/2025 14:42	235068
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 14:42	235068
Boron	NELAP	0.0200		**0.0369**	mg/L	1	02/24/2025 14:42	235068
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 14:42	235068
Calcium	NELAP	0.100	S	**101**	mg/L	1	02/24/2025 14:42	235068
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:42	235068
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 14:42	235068
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 14:42	235068
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 14:42	235068
Matrix spike control limits are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 13:26	235068
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	02/25/2025 8:32	235068
Lithium	*	0.0030		**0.0088**	mg/L	5	02/25/2025 8:32	235068
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 13:26	235068
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 13:26	235068
CCV recovered outside the upper control limits for Se. Sample results are below the reporting limit. Data is reportable per the TNI standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:30	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/26/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-016
Client Sample ID: T-1
Matrix: GROUNDWATER
Collection Date: 02/20/2025 14:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**512.70**	ft	1	02/20/2025 14:13	R360883
Depth to water	*	-5.00		**13.51**	ft	1	02/20/2025 14:13	R360883
Depth to water from measuring point	*	0		**13.84**	ft	1	02/20/2025 14:13	R360883
Elevation of groundwater surface	*	0		**521.81**	ft	1	02/20/2025 14:13	R360883
Measuring Point Elevation	*	0		**535.65**	ft	1	02/20/2025 14:13	R360883
Measuring Point Height Above Land Surface	*	0		**0.33**	ft	1	02/20/2025 14:13	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**12**	NTU	1	02/20/2025 14:13	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**50.6**	°F	1	02/20/2025 14:13	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.59**		1	02/20/2025 14:13	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**955**	µmhos/cm @25C	1	02/20/2025 14:13	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**1010**	mg/L	1	02/21/2025 14:56	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 13:36	R360629
Chloride	NELAP	5.00		**220**	mg/L	10	02/21/2025 13:36	R360629
Sulfate	NELAP	10.0		**163**	mg/L	10	02/21/2025 13:36	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0691**	mg/L	1	02/24/2025 10:02	235106
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 10:02	235106
Boron	NELAP	0.0200		**0.170**	mg/L	1	02/24/2025 10:02	235106
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 10:02	235106
Calcium	NELAP	0.100		**157**	mg/L	1	02/24/2025 10:02	235106
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 10:02	235106
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/25/2025 11:20	235106
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 10:02	235106
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 10:02	235106
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 13:09	235106
Arsenic	NELAP	0.0010		**0.0023**	mg/L	5	02/24/2025 13:09	235106
Lithium	*	0.0030		**0.0142**	mg/L	5	02/25/2025 8:27	235106
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/25/2025 8:27	235106
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 13:09	235106
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:32	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-017
Client Sample ID: T-2
Matrix: GROUNDWATER
Collection Date: 02/20/2025 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.18**	ft	1	02/20/2025 12:30	R360883
Depth to water	*	-5.00		**23.25**	ft	1	02/20/2025 12:30	R360883
Depth to water from measuring point	*	0		**25.65**	ft	1	02/20/2025 12:30	R360883
Elevation of groundwater surface	*	0		**523.97**	ft	1	02/20/2025 12:30	R360883
Measuring Point Elevation	*	0		**549.62**	ft	1	02/20/2025 12:30	R360883
Measuring Point Height Above Land Surface	*	0		**2.40**	ft	1	02/20/2025 12:30	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**11**	NTU	1	02/20/2025 12:30	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**50.0**	°F	1	02/20/2025 12:30	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.53**		1	02/20/2025 12:30	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1290**	µmhos/cm @25C	1	02/20/2025 12:30	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**1270**	mg/L	1	02/21/2025 14:57	R360717
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/21/2025 13:47	R360629
Chloride	NELAP	5.00		**500**	mg/L	10	02/21/2025 13:47	R360629
Sulfate	NELAP	10.0		**135**	mg/L	10	02/21/2025 13:47	R360629
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.217**	mg/L	1	02/24/2025 10:02	235106
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/24/2025 10:02	235106
Boron	NELAP	0.0200		**0.0466**	mg/L	1	02/24/2025 10:02	235106
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/24/2025 10:02	235106
Calcium	NELAP	0.100		**210**	mg/L	1	02/24/2025 10:02	235106
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 10:02	235106
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/24/2025 10:02	235106
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/24/2025 10:02	235106
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/24/2025 10:02	235106
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/24/2025 13:14	235106
Arsenic	NELAP	0.0010		**0.0073**	mg/L	5	02/24/2025 13:14	235106
Lithium	*	0.0030		**0.0314**	mg/L	5	02/25/2025 9:53	235106
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/25/2025 9:53	235106
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/24/2025 13:14	235106
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/21/2025 14:35	235075
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-018
Client Sample ID: T-4
Matrix: GROUNDWATER
Collection Date: 02/19/2025 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**521.52**	ft	1	02/19/2025 14:00	R360883
Depth to water	*	-5.00		**16.03**	ft	1	02/19/2025 14:00	R360883
Depth to water from measuring point	*	0		**18.41**	ft	1	02/19/2025 14:00	R360883
Elevation of groundwater surface	*	0		**530.53**	ft	1	02/19/2025 14:00	R360883
Measuring Point Elevation	*	0		**548.94**	ft	1	02/19/2025 14:00	R360883
Measuring Point Height Above Land Surface	*	0		**2.38**	ft	1	02/19/2025 14:00	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**56**	NTU	1	02/19/2025 14:00	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**49.4**	°F	1	02/19/2025 14:00	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.64**		1	02/19/2025 14:00	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**520**	µmhos/cm @25C	1	02/19/2025 14:00	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**472**	mg/L	1	02/20/2025 11:40	R360650
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/20/2025 11:02	R360529
Chloride	NELAP	5.00		**ND**	mg/L	10	02/20/2025 11:02	R360529
Sulfate	NELAP	10.0		**121**	mg/L	10	02/20/2025 11:02	R360529
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0500**	mg/L	1	02/20/2025 16:41	235016
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 16:41	235016
Boron	NELAP	0.0200		**0.0454**	mg/L	1	02/24/2025 10:54	235016
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 16:41	235016
Calcium	NELAP	0.100		**89.2**	mg/L	1	02/24/2025 10:54	235016
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:41	235016
Cobalt	NELAP	0.0050		**0.0052**	mg/L	1	02/20/2025 16:41	235016
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 16:41	235016
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 16:41	235016
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 15:09	235016
Arsenic	NELAP	0.0010		**0.0049**	mg/L	5	02/20/2025 15:09	235016
Lithium	*	0.0030		**0.0147**	mg/L	5	02/20/2025 15:09	235016
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 15:09	235016
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 15:09	235016
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/20/2025 10:56	235028
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-019
Client Sample ID: T-5
Matrix: GROUNDWATER
Collection Date: 02/19/2025 12:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**518.32**	ft	1	02/19/2025 12:29	R360883
Depth to water	*	-5.00		**5.48**	ft	1	02/19/2025 12:29	R360883
Depth to water from measuring point	*	0		**7.99**	ft	1	02/19/2025 12:29	R360883
Elevation of groundwater surface	*	0		**532.67**	ft	1	02/19/2025 12:29	R360883
Measuring Point Elevation	*	0		**540.66**	ft	1	02/19/2025 12:29	R360883
Measuring Point Height Above Land Surface	*	0		**2.51**	ft	1	02/19/2025 12:29	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.7**	NTU	1	02/19/2025 12:29	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**43.1**	°F	1	02/19/2025 12:29	R360883
SW-846 9040B								
pH, Field	*	1.00		**6.72**		1	02/19/2025 12:29	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**448**	µmhos/cm @25C	1	02/19/2025 12:29	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**374**	mg/L	1	02/20/2025 11:40	R360650
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/20/2025 11:37	R360529
Chloride	NELAP	5.00		**ND**	mg/L	10	02/20/2025 11:37	R360529
Sulfate	NELAP	10.0		**40.7**	mg/L	10	02/20/2025 11:37	R360529
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0535**	mg/L	1	02/20/2025 16:42	235016
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 16:42	235016
Boron	NELAP	0.0200		**0.0608**	mg/L	1	02/20/2025 16:42	235016
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 16:42	235016
Calcium	NELAP	0.100		**70.1**	mg/L	1	02/24/2025 11:08	235016
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:42	235016
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:42	235016
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 16:42	235016
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 16:42	235016
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 15:16	235016
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	02/21/2025 16:26	235016
Lithium	*	0.0030		**0.0101**	mg/L	5	02/20/2025 15:16	235016
Selenium	NELAP	0.0010		**0.0012**	mg/L	5	02/21/2025 16:26	235016
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 15:16	235016
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/20/2025 10:59	235028
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556

Client: City Water, Light & Power
Work Order: 25020749
Client Project: Ash Pond Monitoring Wells
Report Date: 31-Mar-25
Lab ID: 25020749-020
Client Sample ID: T-6
Matrix: GROUNDWATER
Collection Date: 02/19/2025 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**494.70**	ft	1	02/19/2025 13:00	R360883
Depth to water	*	-5.00		**7.44**	ft	1	02/19/2025 13:00	R360883
Depth to water from measuring point	*	0		**9.80**	ft	1	02/19/2025 13:00	R360883
Elevation of groundwater surface	*	0		**528.52**	ft	1	02/19/2025 13:00	R360883
Measuring Point Elevation	*	0		**538.32**	ft	1	02/19/2025 13:00	R360883
Measuring Point Height Above Land Surface	*	0		**2.36**	ft	1	02/19/2025 13:00	R360883
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**29**	NTU	1	02/19/2025 13:00	R360883
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**45.9**	°F	1	02/19/2025 13:00	R360883
SW-846 9040B								
pH, Field	*	1.00		**7.30**		1	02/19/2025 13:00	R360883
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**661**	µmhos/cm @25C	1	02/19/2025 13:00	R360883
STANDARD METHODS 2540 C (TOTAL) 1997, 2011								
Total Dissolved Solids	NELAP	20		**530**	mg/L	1	02/20/2025 11:41	R360650
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	02/20/2025 11:49	R360529
Chloride	NELAP	5.00		**18.9**	mg/L	10	02/20/2025 11:49	R360529
Sulfate	NELAP	10.0		**ND**	mg/L	10	02/20/2025 11:49	R360529
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.166**	mg/L	1	02/20/2025 16:43	235016
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	02/20/2025 16:43	235016
Boron	NELAP	0.0200		**0.187**	mg/L	1	02/20/2025 16:43	235016
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/20/2025 16:43	235016
Calcium	NELAP	0.100		**82.2**	mg/L	1	02/24/2025 11:08	235016
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:43	235016
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	02/20/2025 16:43	235016
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/20/2025 16:43	235016
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	02/20/2025 16:43	235016
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 16:06	235016
Arsenic	NELAP	0.0010		**0.0037**	mg/L	5	02/20/2025 16:06	235016
Lithium	*	0.0030		**0.0098**	mg/L	5	02/20/2025 16:06	235016
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	02/20/2025 16:06	235016
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	02/20/2025 16:06	235016
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/20/2025 11:01	235028
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556
Radium-228	*	0		**See Attached**	pci/L	1	03/25/2025 0:00	R362556

Receiving Check List

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25020749
Report Date: 31-Mar-25

Carrier: Justin Colp

Received By: AMD

Completed by: Amber Dilallo
On: 18-Feb-25

Reviewed by: Ellie Hopkins
On: 21-Feb-25

Pages to follow: Chain of custody 6 Extra pages included 61

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 9.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Samples were received on 2/18/25 at 1500 on ice [9.9, 11.5C - LTG#5]. pH strip #101358. - NR/amberdilallo - 2/18/2025 3:21:57 PM

Samples were received on 2/19/25 at 1550 on ice [6.9C - LTG#9]. pH strip #101358. - CF/amberdilallo - 2/19/2025 4:10:24 PM

Samples were received on 2/20/25 at 15:55 on ice [temp5.5C, 6.7 - LTG#9]. pH# 101358. Added nitric acid (102194) to AP-7 and AP-9. - EK/lhenson - 2/20/2025 4:21:47 PM

Sample AP-14 COC was received on 12/21/25 at 1222. No sample due to location being frozen. - lhenson - 2/21/2025 12:55:27 PM

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020749

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_156

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE #1 9.9 °C #2 11.5 AS
Preserved in: [ ] LAB [X] FIELD
FOR LAB USE ONLY
LAB NOTES: 10835Y 2/18

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020749-001	RW-3	2-18-25 / 1200	Groundwater	1	2								✓	✓	✓	✓	✓	✓
002	AP-1	2-18-25 / 1238	Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	AP-2	2-18-25 / 1315	Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	AP-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	AP-4	2-18-25 / 1038	Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	AP-5	2-18-25 / 1010	Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	AP-6	2-18-25 / 1132	Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	AP-7		Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AP-8		Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AP-9		Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	AP-10		Groundwater	1	2								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
J. Colp	2-18-25 1500	[signature]	2/18/25 1500

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020749

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_157

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 6.9 °C #9
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PA√101358 CF 2/19/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Gip

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020749-001	RW-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
002	AP-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	AP-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	AP-3	2-19-25 / 1154	Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	AP-4		Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	AP-5		Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	AP-6		Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	AP-7		Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AP-8	2-19-25 / 1226	Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AP-9		Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	AP-10	2-19-25 / 1253	Groundwater	1	2								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	2-19 / 1550	Carli Fenton	2/19/25 15:50

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25020749

SC_158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Culp

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020749-012	AP-11		Groundwater	1	2								✔	✔	✔	✔	✔	✔
013	AP-12		Groundwater	1	2								✔	✔	✔	✔	✔	✔
014	AP-13		Groundwater	1	2								✔	✔	✔	✔	✔	✔
015	AP-14		Groundwater	1	2								✔	✔	✔	✔	✔	✔
016	T-1		Groundwater	1	2								✔	✔	✔	✔	✔	✔
017	T-2		Groundwater	1	2								✔	✔	✔	✔	✔	✔
018	T-4	2-14-25 / 1400	Groundwater	1	2								✔	✔	✔	✔	✔	✔
019	T-5	2-14-25 / 1229	Groundwater	1	2								✔	✔	✔	✔	✔	✔
020	T-6	2-14-25 / 1300	Groundwater	1	2								✔	✔	✔	✔	✔	✔
			Groundwater															
			Groundwater															

Relinquished By	Date/Time	Received By	Date/Time
[illegible]	2-19 / 1550	[illegible]	2/19/25 15:00

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25020749

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_159

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.5 6.7 °C (9)
Preserved in: ☒ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES: Added HNO3 L102194) to AP-7 2 liter and PH/101358 AP-9 2 liter. EK 2/20/2025

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Cole

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED												
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity								
25020749-001	RW-3		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
002	AP-1		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
003	AP-2		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
004	AP-3		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
005	AP-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
006	AP-5		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
007	AP-6		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
008	AP-7	2-20-25 / 1142	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
009	AP-8		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
010	AP-9	2-20-25 / 1216	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
011	AP-10		Groundwater	1	2								✔	✔	✔	✔	✔	✔								

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2-20 / 1555	[signature]	2/20/25 1555

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25020749

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_160

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Culp

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED												
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity								
25020749-012	AP-11	2/20/25 1150	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
013	AP-12	2/20/25 1306	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
014	AP-13	2/20/25 1341	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
015	AP-14		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
016	T-1	2/20/25 1413	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
017	T-2	2/20/25 1230	Groundwater	1	2								✔	✔	✔	✔	✔	✔								
018	T-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
019	T-5		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
020	T-6		Groundwater	1	2								✔	✔	✔	✔	✔	✔								
			Groundwater																							
			Groundwater																							

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2-20 / 1555	[signature]	2/20/25 1535

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25020749

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_161

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE NA °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Cope

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25020749-012	AP-11		Groundwater	1	2								✔	✔	✔	✔	✔	✔
013	AP-12		Groundwater	1	2								✔	✔	✔	✔	✔	✔
014	AP-13		Groundwater	1	2								✔	✔	✔	✔	✔	✔
015	AP-14 NO SAMPLE	2-21-25 / FROZEN	Groundwater	1	2								✔	✔	✔	✔	✔	✔
016	T-1 FROZEN @ 2.24)		Groundwater	1	2								✔	✔	✔	✔	✔	✔
017	T-2		Groundwater	1	2								✔	✔	✔	✔	✔	✔
018	T-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔
019	T-5		Groundwater	1	2								✔	✔	✔	✔	✔	✔
020	T-6		Groundwater	1	2								✔	✔	✔	✔	✔	✔
			Groundwater															
			Groundwater															

Relinquished By	Date/Time	Received By	Date/Time
Jeremy Cassell	2/21/25 1222	Emily Kassakeski	2/21/25 1222

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Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: RW-3
Sample ID: 001
Date (s): 2/18/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 8 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	No			

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 11:44
Static Water Level: 9.56 feet below TOC
Total Depth: 44.01 feet below TOC
Water Column: 34.45 feet

Purging Activities

Purged By: JC — Purge Date: 2/18/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 34.45 ft. x 0.022 = 0.76 L x 3 Vol. = 2.28 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:45	0.0	333	purge start time						
11:48	1.0	↓	7.08	616.30	11.66	1.23	-125.20	41.78	
11:51	2.0		7.08	629.50	11.89	0.70	-143.50	48.63	
11:54	3.0		7.09	631.70	11.94	0.58	-151.00	29.58	
11:57	4.0		7.10	629.70	11.94	0.54	-154.20	25.24	
12:00	5.0		7.10	622.80	11.96	0.54	-154.20	20.73	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/18/2025 12:00
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.10 pH — 622.80 Spec. Cond. — 11.96 Temp
Field Filtered: No — Filter Type:
Water Level: 15.15 feet below TOC — Drawdown: 5.59 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/18/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-1
Project Location:	Springfield, IL	**Sample ID:**	002
W.O. Number (s):	25020749	**Date (s):**	2/18/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 10 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 12:18

Static Water Level: 10.79 feet below TOC

Total Depth: 31.08 feet below TOC

Water Column: 20.29 feet

Purging Activities

Purged By: JC — Purge Date: 2/18/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 20.29 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.50 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:18	0.0	325	purge start time						
12:23	1.6	↓	6.54	1,482.30	12.09	1.18	-66.20	25.12	
12:26	2.6		6.53	1,548.60	12.40	0.76	-78.00	22.97	
12:29	3.6		6.53	1,599.00	12.40	0.59	-84.80	28.22	
12:32	4.6		6.54	1,644.70	12.49	0.54	-88.60	24.22	
12:35	5.5		6.55	1,666.90	12.48	0.52	-91.20	21.71	
12:38	6.5		6.55	1,674.70	12.64	0.49	-93.10	16.80	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/18/2025 12:38

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.55 pH — 1,674.70 Spec. Cond. — 12.64 Temp

Field Filtered: No — Filter Type:

Water Level: 11.14 feet below TOC — Drawdown: 0.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/18/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: AP-2
Sample ID: 003
Date (s): 2/18/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 12:49
Static Water Level: 7.87 feet below TOC
Total Depth: 21.33 feet below TOC
Water Column: 13.46 feet

Purging Activities

Purged By: JC — Purge Date: 2/18/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 13.46 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:50	0.0	320	purge start time						
12:57	2.2	↓	6.45	1,232.60	10.86	0.94	6.10	135.27	
13:00	3.2		6.45	1,236.30	10.82	0.78	9.00	86.86	
13:03	4.2		6.44	1,238.60	11.21	0.69	10.50	62.32	
13:06	5.1		6.44	1,238.00	11.62	0.63	11.50	43.73	
13:09	6.1		6.44	1,245.20	11.08	0.60	12.40	32.16	
13:12	7.0		6.44	1,248.50	11.15	0.57	13.10	29.84	
13:15	8.0		6.44	1,254.10	11.29	0.56	13.50	25.46	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/18/2025 13:15
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH — 1,254.10 Spec. Cond. — 11.29 Temp
Field Filtered: No — Filter Type:
Water Level: 7.94 feet below TOC — Drawdown: 0.07 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: [signature] **Date:** 2/18/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-3
Project Location:	Springfield, IL	**Sample ID:**	004
W.O. Number (s):	25020749	**Date (s):**	2/19/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 14 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 11:09

Static Water Level: 9.75 feet below TOC

Total Depth: 20.80 feet below TOC

Water Column: 11.05 feet

Purging Activities

Purged By: JC Purge Date: 2/19/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 11.05 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L *Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 14.00 L

Physical appearance of purge water: Cloudy Odor: None Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:09	0.0	311	purge start time						
11:15	1.9	↓	6.48	1,265.80	11.69	1.24	-23.70	267.20	
11:18	2.8		6.49	1,263.40	11.69	1.17	-33.90	240.68	
11:21	3.7		6.51	1,262.30	11.63	1.16	-43.20	217.87	
11:24	4.7		6.52	1,261.30	11.49	1.11	-48.00	203.38	
11:27	5.6		6.53	1,261.40	11.53	1.02	-51.50	187.54	
11:30	6.5		6.53	1,261.50	11.52	0.96	-52.80	180.34	
11:33	7.5		6.54	1,261.10	11.38	0.92	-54.00	159.27	
11:36	8.4		6.54	1,263.20	11.22	0.88	-53.90	133.35	
11:39	9.3		6.54	1,261.50	11.22	0.85	-55.10	117.37	
11:42	10.3		6.54	1,263.30	11.12	0.81	-56.20	101.61	
11:45	11.2		6.54	1,264.30	11.35	0.78	-56.40	84.49	
11:48	12.1		6.54	1,264.70	11.42	0.75	-56.40	73.00	
11:51	13.1		6.54	1,265.30	11.25	0.73	-56.80	62.82	
11:54	14.0		6.54	1,266.60	11.18	0.70	-57.00	60.69	

Sampled By: JC Sample Date/Time: 2/19/2025 11:54

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.54 pH 1,266.60 Spec. Cond. 11.18 Temp

Field Filtered: No Filter Type:

Water Level: 9.96 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp **Date:** 2/19/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-4
Project Location:	Springfield, IL	**Sample ID:**	005
W.O. Number (s):	25020749	**Date (s):**	2/18/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 7 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	No			

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 10:21

Static Water Level: 10.68 feet below TOC

Total Depth: 60.41 feet below TOC

Water Column: 49.73 feet

Purging Activities

Purged By: JC — Purge Date: 2/18/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 49.73 ft. x 0.022 = 1.09 L x 3 Vol. = 3.27 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	250	purge start time						
10:26	1.0	↓	6.74	776.20	12.00	2.48	-105.00	12.85	
10:29	1.8		6.76	782.80	12.64	1.51	-118.20	16.19	
10:32	2.5		6.77	785.10	12.68	1.20	-123.00	18.55	
10:35	3.3		6.77	787.50	12.80	1.11	-124.60	18.39	
10:38	4.0		6.78	786.10	12.66	1.05	-124.80	18.11	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/18/2025 10:38

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.78 pH — 786.10 Spec. Cond. — 12.66 Temp

Field Filtered: No — Filter Type:

Water Level: 12.75 feet below TOC — Drawdown: 2.07 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: [signature] **Date:** 2/18/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: AP-5
Sample ID: 006
Date (s): 2/18/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 5 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 9:48
Static Water Level: 14.98 feet below TOC
Total Depth: 31.27 feet below TOC
Water Column: 16.29 feet

Purging Activities

Purged By: JC — Purge Date: 2/18/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 16.29 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:49	0.0	286	purge start time						
9:55	1.7	↓	6.91	658.60	11.72	4.61	64.20	19.89	
9:58	2.6		6.87	656.90	11.63	3.84	71.90	12.78	
10:01	3.4		6.84	658.50	11.78	3.02	76.70	7.32	
10:04	4.3		6.83	660.70	11.77	2.58	80.10	4.36	
10:07	5.1		6.83	661.30	11.79	2.38	82.50	3.23	
10:10	6.0		6.83	662.20	11.89	2.21	84.40	2.68	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/18/2025 10:10
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.83 pH — 662.20 Spec. Cond. — 11.89 Temp
Field Filtered: No — Filter Type:
Water Level: 18.70 feet below TOC — Drawdown: 3.72 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/18/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: AP-6
Sample ID: 007
Date (s): 2/18/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 8 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	No			

Groundwater Level Measurements

Date/Time Measured: 2/18/2025 10:56
Static Water Level: 8.56 feet below TOC
Total Depth: 39.62 feet below TOC
Water Column: 31.06 feet

Purging Activities

Purged By: JC — Purge Date: 2/18/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 31.06 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:56	0.0	208	purge start time						
11:02	1.3	↓	7.20	614.50	9.77	3.90	-73.00	36.81	
11:05	1.9		7.22	615.40	10.12	4.55	-70.70	31.77	
11:08	2.5		7.25	613.60	10.57	4.83	-68.90	25.13	
11:11	3.1		7.25	613.60	10.67	5.01	-67.80	19.54	
11:14	3.8		7.24	613.70	10.75	4.95	-68.90	18.49	
11:17	4.4		7.26	615.30	10.92	5.14	-67.70	14.87	
11:20	5.0		7.26	614.70	10.79	5.17	-68.30	11.14	
11:23	5.6		7.24	615.30	10.85	5.06	-69.90	10.77	
11:26	6.3		7.21	617.30	10.88	4.72	-72.10	9.47	
11:29	6.9		7.21	617.20	10.92	4.60	-73.00	7.96	
11:32	7.5		7.21	617.10	11.11	4.60	-73.40	7.85	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/18/2025 11:32
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.21 pH — 617.10 Spec. Cond. — 11.11 Temp
Field Filtered: No — Filter Type:
Water Level: 16.97 feet below TOC — Drawdown: 8.41 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: [signature] — **Date:** 2/18/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-7
Project Location:	Springfield, IL	**Sample ID:**	008
W.O. Number (s):	25020749	**Date (s):**	2/20/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 9 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 11:15

Static Water Level: 11.92 feet below TOC

Total Depth: 42.52 feet below TOC

Water Column: 30.60 feet

Purging Activities

Purged By: BG Purge Date: 2/20/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.6 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:15	0.0	222	purge start time						
11:30	3.3	↓	7.26	872.00	9.78	2.36	-136.10	111.37	
11:33	4.0		7.27	871.80	9.54	2.24	-132.20	42.04	
11:36	4.7		7.29	866.10	8.93	2.21	-127.20	33.54	
11:39	5.3		7.28	856.30	11.88	2.19	-122.30	54.03	
11:42	6.0		7.38	794.90	11.96	2.95	-94.10	49.55	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/20/2025 11:42

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.38 pH 794.90 Spec. Cond. 11.96 Temp

Field Filtered: No Filter Type:

Water Level: 12.31 feet below TOC Drawdown: 0.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Brett Gillihan Date: 2/20/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-8
Project Location:	Springfield, IL	**Sample ID:**	009
W.O. Number (s):	25020749	**Date (s):**	2/19/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 14 °F Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 12:06

Static Water Level: 5.51 feet below TOC

Total Depth: 39.60 feet below TOC

Water Column: 34.09 feet

Purging Activities

Purged By: JC Purge Date: 2/19/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 34.09 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:08	0.0	250	purge start time						
12:14	1.5	↓	6.93	838.20	9.24	1.92	-76.40	18.65	
12:17	2.3		6.90	847.00	9.34	1.32	-92.70	12.70	
12:20	3.0		6.90	847.90	9.43	1.11	-101.10	12.19	
12:23	3.8		6.89	848.00	9.30	1.01	-106.00	10.08	
12:26	4.5		6.89	850.10	9.55	0.94	-109.30	8.25	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/19/2025 12:26

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.89 pH 850.10 Spec. Cond. 9.55 Temp

Field Filtered: No Filter Type:

Water Level: 5.77 feet below TOC Drawdown: 0.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp **Date:** 2/19/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-9
Project Location:	Springfield, IL	**Sample ID:**	010
W.O. Number (s):	25020749	**Date (s):**	2/20/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 11:57

Static Water Level: 13.29 feet below TOC

Total Depth: 39.60 feet below TOC

Water Column: 26.31 feet

Purging Activities

Purged By: BG Purge Date: 2/20/2025

Purge Method: Submersible Pump Well Diameter: 2"

Purge Volume Calculation (L): 26.31 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Cloudy Odor: None Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:57	0.0	263	purge start time						
12:04	1.8	↓	6.98	1,096.40	10.34	3.25	-90.70	168.56	
12:07	2.6		6.98	1,098.40	12.29	2.69	-90.80	120.20	
12:10	3.4		7.01	1,091.40	12.02	2.39	-89.30	91.39	
12:13	4.2		7.02	1,092.20	11.18	2.21	-89.00	71.61	
12:16	5.0		7.02	1,081.10	11.21	2.08	-89.50	53.93	

Sampling Activities

Sampled By: DC Sample Date/Time: 2/20/2025 12:16

Sample Method: Low Flow Sample Equipment: Submersible Pump

Sample Parameters: 7.02 pH 1,081.10 Spec. Cond. 11.21 Temp

Field Filtered: No Filter Type:

Water Level: 13.91 feet below TOC Drawdown: 0.62 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Brett Gillihan **Date:** 2/20/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-10
Project Location:	Springfield, IL	**Sample ID:**	011
W.O. Number (s):	25020749	**Date (s):**	2/19/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 14 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 12:36

Static Water Level: 4.04 feet below TOC

Total Depth: 38.07 feet below TOC

Water Column: 34.03 feet

Purging Activities

Purged By: JC — Purge Date: 2/19/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 34.03 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:37	0.0	250	purge start time						
12:41	1.0	↓	6.68	1,079.40	9.00	2.66	-72.40	68.13	
12:44	1.8		6.66	1,083.70	9.47	1.66	-79.70	21.50	
12:47	2.5		6.66	1,088.80	9.83	1.43	-83.50	11.10	
12:50	3.3		6.67	1,088.00	9.66	1.32	-85.50	7.80	
12:53	4.0		6.67	1,088.50	9.73	1.26	-86.70	6.46	

Sampling Activities

Sampled By: JC — Sample Date/Time: 2/19/2025 12:53

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.67 pH — 1,088.50 Spec. Cond. — 9.73 Temp

Field Filtered: No — Filter Type:

Water Level: 4.29 feet below TOC — Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 50115

Form Completed By: Justin Colp — **Date:** 2/19/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: AP-11
Sample ID: 012
Date (s): 2/20/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 7 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 11:26
Static Water Level: 15.24 feet below TOC
Total Depth: 22.95 feet below TOC
Water Column: 7.71 feet

Purging Activities

Purged By: TC — Purge Date: 2/20/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 7.71 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:38	0.0	167	purge start time						
11:41	0.5	↓	6.45	724.10	9.45	3.35	78.00	29.66	
11:44	1.0		6.42	707.90	8.95	2.93	75.80	28.00	
11:47	1.5		6.41	709.10	8.94	2.60	70.70	21.52	
11:50	2.0		6.40	707.90	9.17	2.26	54.60	19.19	
11:53	2.5		6.40	707.90	9.51	1.98	32.40	18.77	
11:56	3.0		6.40	706.50	9.41	1.74	16.20	13.71	

Sampling Activities

Sampled By: DC — Sample Date/Time: 2/20/2025 11:56
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.40 pH — 706.50 Spec. Cond. — 9.41 Temp
Field Filtered: No — Filter Type:
Water Level: 15.93 feet below TOC — Drawdown: 0.69 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: — **Date:** 2/20/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: AP-12
Sample ID: 013
Date (s): 2/20/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 12:44
Static Water Level: 18.08 feet below TOC
Total Depth: 30.40 feet below TOC
Water Column: 12.32 feet

Purging Activities

Purged By: TC Purge Date: 2/20/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.32 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:45	0.0	190	purge start time						
12:57	2.3	↓	6.57	1,024.90	10.79	1.91	-52.60	15.33	
13:00	2.9		6.56	1,024.50	10.74	1.70	-53.80	12.53	
13:03	3.4		6.55	1,022.70	10.66	1.60	-54.60	10.49	
13:06	4.0		6.55	1,022.00	10.72	1.53	-55.20	8.58	

Sampling Activities

Sampled By: DC Sample Date/Time: 2/20/2025 13:06
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.55 pH 1,022.00 Spec. Cond. 10.72 Temp
Field Filtered: No Filter Type:
Water Level: 19.31 feet below TOC Drawdown: 1.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Date: 2/20/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-13
Project Location:	Springfield, IL	**Sample ID:**	014
W.O. Number (s):	25020749	**Date (s):**	2/20/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 13:14

Static Water Level: 18.44 feet below TOC

Total Depth: 31.00 feet below TOC

Water Column: 12.56 feet

Purging Activities

Purged By: TC — Purge Date: 2/20/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.56 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:15	0.0	192	purge start time						
13:29	2.7	↓	6.70	519.20	10.47	2.60	-90.70	38.40	
13:32	3.3		6.70	521.30	10.48	2.46	-91.60	19.92	
13:35	3.8		6.69	521.70	10.58	2.33	-93.50	11.64	
13:38	4.4		6.69	525.80	10.62	2.24	-93.80	23.94	
13:41	5.0		6.69	527.20	10.40	2.20	-94.70	6.69	

Sampling Activities

Sampled By: DC — Sample Date/Time: 2/20/2025 13:41

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.69 pH — 527.20 Spec. Cond. — 10.40 Temp

Field Filtered: No — Filter Type:

Water Level: 19.71 feet below TOC — Drawdown: 1.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: — **Date:** 2/20/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: AP-14
Sample ID: 015
Date (s):

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Well/tubing frozen in place. Unable to sample

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-1
Project Location:	Springfield, IL	**Sample ID:**	016
W.O. Number (s):	25020749	**Date (s):**	2/20/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 13:50

Static Water Level: 13.84 feet below TOC

Total Depth: 22.95 feet below TOC

Water Column: 9.11 feet

Purging Activities

Purged By: TC Purge Date: 2/20/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 9.11 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:50	0.0	261	purge start time						
14:01	2.9	↓	6.58	932.50	10.07	3.87	-29.90	19.38	
14:04	3.7		6.58	942.60	10.06	3.84	-26.10	16.97	
14:07	4.4		6.59	948.40	10.12	3.86	-22.90	18.85	
14:10	5.2		6.59	951.80	10.16	3.76	-19.60	13.32	
14:13	6.0		6.59	954.80	10.33	3.89	-16.60	11.88	

Sampling Activities

Sampled By: DC Sample Date/Time: 2/20/2025 14:13

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.59 pH 954.80 Spec. Cond. 10.33 Temp

Field Filtered: No Filter Type:

Water Level: 14.61 feet below TOC Drawdown: 0.77 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: Date: 2/20/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-2
Project Location:	Springfield, IL	**Sample ID:**	017
W.O. Number (s):	25020749	**Date (s):**	2/20/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/20/2025 12:10

Static Water Level: 25.65 feet below TOC

Total Depth: 34.44 feet below TOC

Water Column: 8.79 feet

Purging Activities

Purged By: TC — Purge Date: 2/20/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 8.79 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:10	0.0	250	purge start time						
12:15	1.3	↓	6.53	1,306.30	9.67	1.31	-71.60	14.98	
12:18	2.0		6.52	1,299.60	9.79	1.05	-76.50	15.15	
12:21	2.8		6.52	1,297.10	9.93	0.93	-78.10	43.90	
12:24	3.5		6.52	1,297.50	9.95	0.87	-79.70	28.51	
12:27	4.3		6.53	1,297.50	9.86	0.84	-82.50	8.44	
12:30	5.0		6.53	1,294.10	9.98	0.82	-85.80	10.51	

Sampling Activities

Sampled By: DC — Sample Date/Time: 2/20/2025 12:30

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.53 pH — 1,294.10 Spec. Cond. — 9.98 Temp

Field Filtered: No — Filter Type:

Water Level: 27.50 feet below TOC — Drawdown: 1.85 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: _____ **Date:** 2/20/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-4
Project Location:	Springfield, IL	**Sample ID:**	018
W.O. Number (s):	25020749	**Date (s):**	2/19/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 13:25

Static Water Level: 18.41 feet below TOC

Total Depth: 27.42 feet below TOC

Water Column: 9.01 feet

Purging Activities

Purged By: TC — Purge Date: 2/19/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 9.01 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Cloudy — Odor: None — Color: Grey

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:25	0.0	143	purge start time						
13:48	3.3	↓	6.71	522.80	9.70	1.42	36.90	100.42	
13:51	3.7		6.68	520.60	9.64	1.33	38.80	62.94	
13:54	4.1		6.66	520.40	9.95	1.25	40.30	76.61	
13:57	4.6		6.65	522.30	9.55	1.21	41.80	47.50	
14:00	5.0		6.64	519.80	9.65	1.15	42.60	55.80	

Sampling Activities

Sampled By: DC — Sample Date/Time: 2/19/2025 14:00

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.64 pH — 519.80 Spec. Cond. — 9.65 Temp

Field Filtered: No — Filter Type:

Water Level: 19.57 feet below TOC — Drawdown: 1.16 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: — **Date:** 2/19/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-5
Project Location:	Springfield, IL	**Sample ID:**	019
W.O. Number (s):	25020749	**Date (s):**	2/19/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 11:50

Static Water Level: 7.99 feet below TOC

Total Depth: 22.34 feet below TOC

Water Column: 14.35 feet

Purging Activities

Purged By: TC — Purge Date: 2/19/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 14.35 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:56	0.0	152	purge start time						
12:17	3.2	↓	6.72	445.60	5.51	4.71	84.60	7.01	
12:20	3.6		6.72	445.40	5.59	4.67	86.90	5.23	
12:23	4.1		6.72	445.80	6.04	4.65	89.10	4.46	
12:26	4.5		6.72	446.60	6.15	4.66	91.10	4.27	
12:29	5.0		6.72	447.50	6.19	4.67	92.90	3.67	

Sampling Activities

Sampled By: DC — Sample Date/Time: 2/19/2025 12:29

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.72 pH — 447.50 Spec. Cond. — 6.19 Temp

Field Filtered: No — Filter Type:

Water Level: 9.83 feet below TOC — Drawdown: 1.84 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: _____ **Date:** 2/19/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25020749
Monitoring Point: T-6
Sample ID: 020
Date (s): 2/19/2025

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/19/2025 12:40
Static Water Level: 9.80 feet below TOC
Total Depth: 43.62 feet below TOC
Water Column: 33.82 feet

Purging Activities

Purged By: TC — Purge Date: 2/19/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 33.82 ft. x 0.022 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:40	0.0	225	purge start time						
12:51	2.5	↓	7.29	661.20	7.51	6.82	111.90	68.41	
12:54	3.2		7.30	660.80	7.44	6.90	110.80	47.35	
12:57	3.8		7.30	661.10	7.66	7.00	109.60	36.79	
13:00	4.5		7.30	661.00	7.72	6.98	108.60	28.73	

Sampling Activities

Sampled By: DC — Sample Date/Time: 2/19/2025 13:00
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 7.30 pH — 661.00 Spec. Cond. — 7.72 Temp
Field Filtered: No — Filter Type:
Water Level: 10.50 feet below TOC — Drawdown: 0.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210756

Form Completed By: [signature] **Date:** 2/19/2025

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25020749
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

SC_182

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 50115 Technician(s): justin colp Date: 2/18/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/18/25 9:30
7.0 Buffer	wc240913b	7.00	2/18/25 9:26
10.0 Buffer	wc240625b	10.00	2/18/25 9:34
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/18/25 9:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.5	2/18/25 9:42
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	2/18/25 9:44	17.5	7.02	1,410	0.51		
CCV-1-JC	CCV	2/18/25 13:20	18.5	7.06	1,423	0.57		

Comments:

Field Meter ID: Pine 50115 Technician(s): justn colp Date: 2/19/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/19/25 10:31
7.0 Buffer	wc240913b	7.00	2/19/25 10:28
10.0 Buffer	wc240625b	10.00	2/19/25 10:36
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/19/25 10:47

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.49	2/19/25 10:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	2/19/25 10:55	9.1	7.01	1,411	0.47		
CCV-2-JC	CCV	2/19/25 14:29	11.1	7.03	1,417	0.56		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25020749
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

SC_183

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 50115 Technician(s): justin colp Date: 2/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/20/25 8:56
7.0 Buffer	wc240913b	7.00	2/20/25 8:51
10.0 Buffer	wc240625b	10.00	2/20/25 9:00
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/20/25 9:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.5	2/20/25 9:06
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	2/20/25 9:08	9.3	6.99	1,415	0.5		
CCV-3-JC	CCV	2/20/25 13:42	10.4	7.02	1,426	0.54		

Comments:

Field Meter ID: Pine 50115 Technician(s): justin colp Date: 2/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230619c	4.00	2/21/25 8:41
7.0 Buffer	wc240913b	7.00	2/21/25 8:37
10.0 Buffer	wc240625b	10.00	2/21/25 8:45
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/21/25 8:53

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.6	2/21/25 8:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	2/21/25 8:55	9.4	7.02	1,413	0.62		
CCV-4-JC	CCV	2/21/25 10:30	9.7	7.02	1,418	0.61		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25020749
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

SC_184

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/19/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.01	2/19/25 11:14
7.0 Buffer	WC240913B	7.00	2/19/25 11:11
10.0 Buffer	WC240625B	10.00	2/19/25 11:19
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/19/25 11:05

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	2/19/25 11:21	0.3	7.06	1,413			
CCV-1-TC	CCV	2/19/25 14:27	13.7	7.08	1,321			

Comments:

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.00	2/20/25 9:55
7.0 Buffer	WC240913B	7.00	2/20/25 9:49
10.0 Buffer	WC240625B	10.00	2/20/25 10:12
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/20/25 10:13

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	2/20/25 10:25	0.6	7.09	1,417			
CCV-2-TC	CCV	2/20/25 14:35	0.8	7.09	1,423			

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25020749
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
CWLP- 1Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

SC_185

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.01	2/21/25 9:29
7.0 Buffer	WC240913B	7.00	2/21/25 9:21
10.0 Buffer	WC240625B	10.00	2/21/25 9:33
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/21/25 9:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	2/21/25 9:44	0.2	7.05	1,415			
CCV-3-TC	CCV	2/21/25 10:46	0.2	7.06	1,404			

Comments:

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

March 28, 2025

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 25020749

Dear Shelly Hennessy:

Order No.: 25021959

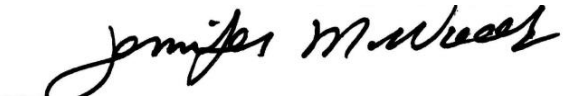
Alliance Technical Group - Akron received 19 sample(s) on 2/27/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,



Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

SC_186

Alliance Technical Group - Akron
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Website: http://www.settek.com

Case Narrative

WO#: **25021959**
Date: **3/28/2025**

CLIENT: TEKLAB Inc,
Project: 25020749

This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

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Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **25021959**
Date: **3/28/2025**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*****	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Alliance Technical Group - Akron
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Website: http://www.settek.com

Workorder Sample Summary

WO#: **25021959**

28-Mar-25

CLIENT: TEKLAB Inc,
Project: 25020749

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25021959-001	25020749-001B		2/18/2025 12:00:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-002	25020749-002B		2/18/2025 12:38:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-003	25020749-003B		2/18/2025 1:15:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-004	25020749-004B		2/19/2025 11:54:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-005	25020749-005B		2/18/2025 10:38:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-006	25020749-006B		2/18/2025 10:10:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-007	25020749-007B		2/18/2025 11:32:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-008	25020749-008B		2/20/2025 11:42:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-009	25020749-009B		2/19/2025 12:26:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-010	25020749-010B		2/20/2025 12:16:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-011	25020749-011B		2/19/2025 12:53:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-012	25020749-012B		2/20/2025 11:56:00 AM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-013	25020749-013B		2/20/2025 1:06:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-014	25020749-014B		2/20/2025 1:41:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-015	25020749-016B		2/20/2025 2:13:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-016	25020749-017B		2/20/2025 12:30:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-017	25020749-018B		2/19/2025 2:00:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-018	25020749-019B		2/19/2025 12:29:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water
25021959-019	25020749-020B		2/19/2025 1:00:00 PM	2/27/2025 11:30:00 AM	Non-Potable Water

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Website: http://www.settek.com

DATES REPORT

WO#: **25021959**

28-Mar-25

SC_190

Client: TEKLAB Inc,
Project: 25020749

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25021959-001A	25020749-001B	2/18/2025 12:00:00 PM	Non-Potable Water	Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-002A	25020749-002B	2/18/2025 12:38:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-003A	25020749-003B	2/18/2025 1:15:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-004A	25020749-004B	2/19/2025 11:54:00 AM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-005A	25020749-005B	2/18/2025 10:38:00 AM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-006A	25020749-006B	2/18/2025 10:10:00 AM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-007A	25020749-007B	2/18/2025 11:32:00 AM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-008A	25020749-008B	2/20/2025 11:42:00 AM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-009A	25020749-009B	2/19/2025 12:26:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-010A	25020749-010B	2/20/2025 12:16:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-011A	25020749-011B	2/19/2025 12:53:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-012A	25020749-012B	2/20/2025 11:56:00 AM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

DATES REPORT

WO#: **25021959**

28-Mar-25

SC_191

Client: TEKLAB Inc,
Project: 25020749

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25021959-012A	25020749-012B	2/20/2025 11:56:00 AM	Non-Potable Water	Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-013A	25020749-013B	2/20/2025 1:06:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-014A	25020749-014B	2/20/2025 1:41:00 PM		Radium-226 (EPA 903.0)		3/4/2025 11:20:02 AM	3/27/2025 10:25:00 AM
				Radium-228 (EPA 904.0)		3/4/2025 11:20:02 AM	3/26/2025 3:34:00 PM
25021959-015A	25020749-016B	2/20/2025 2:13:00 PM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25021959-016A	25020749-017B	2/20/2025 12:30:00 PM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25021959-017A	25020749-018B	2/19/2025 2:00:00 PM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25021959-018A	25020749-019B	2/19/2025 12:29:00 PM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM
25021959-019A	25020749-020B	2/19/2025 1:00:00 PM		Radium-226 (EPA 903.0)		3/5/2025 10:47:15 AM	3/26/2025 9:39:00 AM
				Radium-228 (EPA 904.0)		3/5/2025 10:47:15 AM	3/25/2025 2:10:00 PM

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 12:00:00 PM
Project: 25020749
Lab ID: 25021959-001
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-001B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.30		pCi/L	± 0.110	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.30		pCi/L	± 0.440	1	3/26/2025 3:34:00 PM
Yield	0.780					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_192

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 12:38:00 PM
Project: 25020749
Lab ID: 25021959-002
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-002B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.20		pCi/L	± 0.220	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.20		pCi/L	± 0.380	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_193

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 1:15:00 PM
Project: 25020749
Lab ID: 25021959-003
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-003B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.30		pCi/L	± 0.100	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.30		pCi/L	± 0.380	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_194

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 11:54:00 AM
Project: 25020749
Lab ID: 25021959-004
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-004B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.30		pCi/L	± 0.110	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.30		pCi/L	± 0.490	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_195

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 10:38:00 AM
Project: 25020749
Lab ID: 25021959-005
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-005B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.40		pCi/L	± 0.150	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.40		pCi/L	± 0.410	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_196

Alliance Technical Group - Akron
3310 Win St.
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 10:10:00 AM
Project: 25020749
Lab ID: 25021959-006
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-006B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.40		pCi/L	± 0.110	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.40		pCi/L	± 0.410	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_197

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3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/18/2025 11:32:00 AM
Project: 25020749
Lab ID: 25021959-007
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-007B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.30		pCi/L	± 0.110	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.30		pCi/L	± 0.680	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_198

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 11:42:00 AM
Project: 25020749
Lab ID: 25021959-008
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-008B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.40		pCi/L	± 0.130	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.40		pCi/L	± 0.380	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_199

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 12:26:00 PM
Project: 25020749
Lab ID: 25021959-009
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-009B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.40		pCi/L	± 0.220	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.40		pCi/L	± 0.570	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_200

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 12:16:00 PM
Project: 25020749
Lab ID: 25021959-010
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-010B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.30		pCi/L	± 0.220	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.30		pCi/L	± 0.580	1	3/26/2025 3:34:00 PM
Yield	0.910					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_201

Alliance Technical Group - Akron
3310 Win St.
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 12:53:00 PM
Project: 25020749
Lab ID: 25021959-011
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-011B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.40		pCi/L	± 0.170	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.40		pCi/L	± 0.570	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_202

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 11:56:00 AM
Project: 25020749
Lab ID: 25021959-012
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-012B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.50		pCi/L	± 0.140	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.50		pCi/L	± 0.540	1	3/26/2025 3:34:00 PM
Yield	0.780					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_203

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 1:06:00 PM
Project: 25020749
Lab ID: 25021959-013
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-013B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.40		pCi/L	± 0.130	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.40		pCi/L	± 0.470	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_204

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 1:41:00 PM
Project: 25020749
Lab ID: 25021959-014
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-014B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.50		pCi/L	± 0.160	1	3/27/2025 10:25:00 AM
Yield	1.00					1	3/27/2025 10:25:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.50		pCi/L	± 0.580	1	3/26/2025 3:34:00 PM
Yield	1.00					1	3/26/2025 3:34:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_205

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 2:13:00 PM
Project: 25020749
Lab ID: 25021959-015
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-016B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.110	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.420	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_206

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

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WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/20/2025 12:30:00 PM
Project: 25020749
Lab ID: 25021959-016
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-017B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.180	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.430	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_207

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 2:00:00 PM
Project: 25020749
Lab ID: 25021959-017
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-018B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	1.04	1.00		pCi/L	± 0.250	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	1.56	1.00		pCi/L	± 0.500	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_208

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 12:29:00 PM
Project: 25020749
Lab ID: 25021959-018
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-019B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.120	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.490	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_209

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25021959**

Date Reported: **3/28/2025**

CLIENT: TEKLAB Inc,
Collection Date: 2/19/2025 1:00:00 PM
Project: 25020749
Lab ID: 25021959-019
Matrix: NON-POTABLE WATER
Client Sample ID: 25020749-020B

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.140	1	3/26/2025 9:39:00 AM
Yield	1.00					1	3/26/2025 9:39:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.380	1	3/25/2025 2:10:00 PM
Yield	1.00					1	3/25/2025 2:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_210

Alliance TECHNICAL GROUP
Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**

28-Mar-25

SC_211

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82663**

Sample ID: **MB-82663**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205809**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5509486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-82663**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205809**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5509487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	6.47	1.00	5.000	0	129	50	130				QLR
Yield	0.580			0	0						

Sample ID: **LCSD-82663**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205809**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5509488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	4.45	1.00	5.000	0	89.0	50	130	6.470	37.0	20	R
Yield	1.00			0	0			0.5800	53.2		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

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25 YEAR ANNIVERSARY
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**

28-Mar-25

SC_212

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82663**

Sample ID: **25021873-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205809**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E904.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5509493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	1.00			0	0			1.000	0		

Sample ID: **25021875-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205809**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E904.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5509495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			1.260	200	20	R
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

Alliance TECHNICAL GROUP
Alliance Technical Group - Akron
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**

28-Mar-25

SC_213

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82663**

Sample ID: **MB-82663**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205811**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/27/2025**	SeqNo: **5509528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-82663**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205811**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/27/2025**	SeqNo: **5509529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	3.65	1.00	5.000	0	73.0	70	130				QLR

Sample ID: **LCSD-82663**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205811**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/27/2025**	SeqNo: **5509530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.97	1.00	5.000	0	99.4	70	130	3.650	30.6	20	R

Sample ID: **25021873-001ADUP**	SampType: **DUP**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/4/2025**	RunNo: **205811**
Client ID: **BatchQC**	Batch ID: **82663**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/27/2025**	SeqNo: **5509535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

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QC SUMMARY REPORT

WO#: **25021959**

28-Mar-25

SC_214

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82663**

Sample ID: **25021873-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Sample ID: **25021875-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/4/2025** RunNo: **205811**
Client ID: **BatchQC** Batch ID: **82663** TestNo: **E903.0** **E903-904** Analysis Date: **3/27/2025** SeqNo: **5509537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

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Alliance Technical Group - Akron
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**
28-Mar-25

SC_215

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82683**

Sample ID: **MB-82683**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205677**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/25/2025**	SeqNo: **5506861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-82683**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205677**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/25/2025**	SeqNo: **5506862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.54	1.00	5.000	0	70.8	50	130				
Yield	0.900			0	0						

Sample ID: **LCSD-82683**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205677**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E904.0**	**E903-904**	Analysis Date: **3/25/2025**	SeqNo: **5506863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.35	1.00	5.000	0	67.0	50	130	3.540	5.52	20	
Yield	1.00			0	0			0.9000	10.5		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

Alliance TECHNICAL GROUP
25 YEAR ANNIVERSARY
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**
28-Mar-25

SC_216

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82683**

Sample ID: **25030002-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205677**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E904.0** **E903-904** Analysis Date: **3/25/2025** SeqNo: **5506868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	1.00			0	0			1.000	0		

Sample ID: **25030004-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205677**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E904.0** **E903-904** Analysis Date: **3/25/2025** SeqNo: **5506870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

Alliance TECHNICAL GROUP
Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**

28-Mar-25

SC_217

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82683**

Sample ID: **MB-82683**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-82683**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.48	1.00	5.000	0	89.6	70	130				

Sample ID: **LCSD-82683**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.61	1.00	5.000	0	92.2	70	130	4.480	2.86	20	

Sample ID: **25030002-001ADUP**	SampType: **DUP**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **3/5/2025**	RunNo: **205680**
Client ID: **BatchQC**	Batch ID: **82683**	TestNo: **E903.0**	**E903-904**	Analysis Date: **3/26/2025**	SeqNo: **5506947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

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25 YEAR ANNIVERSARY
Alliance Technical Group - Akron
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Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25021959**
28-Mar-25

SC_218

Client: TEKLAB Inc,
Project: 25020749 **BatchID:** **82683**

Sample ID: **25030002-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205680**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E903.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5506947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Sample ID: **25030004-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **3/5/2025** RunNo: **205680**
Client ID: **BatchQC** Batch ID: **82683** TestNo: **E903.0** **E903-904** Analysis Date: **3/26/2025** SeqNo: **5506949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

 25021959

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_219

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for combined Radium 226/228 per your routine method/s.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested.

Project# 25020749

Contact: Shelly Hennessy Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT Billing/PO: 37997 Phone: (618) 344-1004 ext. 36

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	25020749-001B	2/18/25 12:00	HNO3	Groundwater	✔	pH	1	CPM	30							
	25020749-002B	2/18/25 12:38	HNO3	Groundwater	✔		1		32							
	25020749-003B	2/18/25 13:15	HNO3	Groundwater	✔		1		36							
	25020749-004B	2/19/25 11:54	HNO3	Groundwater	✔		1		28							
	25020749-005B	2/18/25 10:38	HNO3	Groundwater	✔		1		40							
	25020749-006B	2/18/25 10:10	HNO3	Groundwater	✔		1		33							
	25020749-007B	2/18/25 11:32	HNO3	Groundwater	✔		1		31							
	25020749-008B	2/20/25 11:42	HNO3	Groundwater	✔		1		36							
	25020749-009B	2/19/25 12:26	HNO3	Groundwater	✔		1		23							
	25020749-010B	2/20/25 12:16	HNO3	Groundwater	✔		1		16							
	25020749-011B	2/19/25 12:53	HNO3	Groundwater	✔	↓	1	↓	28							

18.8-0.6=18.8, Contact 02/25- Fedex Box/code

*Relinquished By	Date/Time	Received By	Date/Time
			02/27/25 1130

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

25021959

SC_220

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for combined Radium 226/228 per your routine method/s.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested.

Project# 25020749

Contact: Shelly Hennessy | Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT | Billing/PO: 37997 | Phone: (618) 344-1004 ext. 36

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	25020749-012B	02/20/25 11:56	HNO3	Groundwater	✔	pH	1	CPM		26						
	25020749-013B	02/20/25 13:06	HNO3	Groundwater	✔		1			42						
	25020749-014B	02/20/25 13:41	HNO3	Groundwater	✔		1			30						
	25020749-016B	02/20/25 14:13	HNO3	Groundwater	✔		1			31						
	25020749-017B	02/20/25 12:30	HNO3	Groundwater	✔		1			33						
	25020749-018B	02/19/25 14:00	HNO3	Groundwater	✔		1			50						
	25020749-019B	02/19/25 12:29	HNO3	Groundwater	✔		1			26						
	25020749-020B	02/19/25 13:00	HNO3	Groundwater	✔		1			26						
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												

18.8-0.0=18.8, cs intact 02/25 - Fedex Box/cooler

*Relinquished By	Date/Time	Received By	Date/Time
			02/27/25 1130

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

Alliance Technical Group - Akron
3310 Win Street
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

Sample Log-In Check List

Client Name: TEK-IL-62234-A Work Order Number: 25021959 RcptNo: 1

Logged by:	Spencer M. Hartwell	2/27/2025 11:30:00 AM	Spencer M. Hartwell
Completed By:	Spencer M. Hartwell	2/28/2025 3:02:15 PM	Spencer M. Hartwell
Reviewed By:	Jennifer Woolf	2/28/2025 3:11:56 PM	Jennifer Woolf

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	FedEx		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
	No. Seal Date: 2/19/2025 Signed By:			
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☐	No ☐	No VOA Vials ☑
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

Alliance Technical Group - Akron
3310 Win Street
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

Sample Log-In Check List

Client Name: TEK-IL-62234-A Work Order Number: 25021959 RcptNo: 1

April 22, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells **WorkOrder:** 25030754

Dear Eric Staley:

TEKLAB, INC received 1 sample on 3/18/2025 3:05:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25030754
Report Date: 22-Apr-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25030754

Client Project: Ash Pond Monitoring Wells **Report Date:** 22-Apr-25

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25030754

Client Project: Ash Pond Monitoring Wells
Report Date: 22-Apr-25

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25030754
Report Date: 22-Apr-25

Cooler Receipt Temp: 10.7 °C

An employee of Teklab, Inc. collected the sample(s).

Radium 226/228 analysis was performed by Alliance Technical Group. See attached report for results.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: City Water, Light & Power
Work Order: 25030754
Client Project: Ash Pond Monitoring Wells
Report Date: 22-Apr-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25030754
Client Project: Ash Pond Monitoring Wells
Report Date: 22-Apr-25
Lab ID: 25030754-001
Client Sample ID: AP-14
Matrix: GROUNDWATER
Collection Date: 03/18/2025 12:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	04/18/2025 0:00	R363684
Radium-228	*	0		**See Attached**	pci/L	1	04/18/2025 0:00	R363684

Receiving Check List

http://www.teklabinc.com/

Client: City Water, Light & Power
Work Order: 25030754
Client Project: Ash Pond Monitoring Wells
Report Date: 22-Apr-25

Carrier: Daniel Crump
Received By: JMD

Completed by: Laura E Henson
On: 18-Mar-25

Reviewed by: Elizabeth A. Hurley
On: 18-Mar-25

Pages to follow: Chain of custody 1 Extra pages included 12

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 10.7
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #101358. - JD/lhenson - 3/18/2025 4:07:28 PM

Additional nitric acid (102194) was needed upon arrival at the laboratory. - JD/lhenson - 3/18/2025 4:07:30 PM

Print PDF

CHAIN OF CUSTODY

Pg __ of __ Workorder # 25030754

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 10.7 °C
Preserved in: [X] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: PH101358
Added HNO3 (102194) 1/2 JD 3/18/25

Client Comments:
Resample AP14, original WO#25022048.

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [x] No
Are these samples known to be hazardous? [ ] Yes [x] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [x] Yes [ ] No Permit on file

PROJECT NAME/NUMBER: Ash Pond Monitoring Wells
SAMPLE COLLECTOR'S NAME: Brett Gilliland

RESULTS REQUESTED
[x] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25030754-001	AP-14	3-18-25 1217	Groundwater		2											✔	✔	
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															
			Groundwater															

Relinquished By	Date/Time	Received By	Date/Time
	3-18-25 1505		3/18/25 15:05

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

SC_231

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

April 22, 2025

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 25030754

Order No.: 25031751

Dear Shelly Hennessy:

Alliance Technical Group - Akron received 1 sample(s) on 3/21/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,



Salwa Najjar

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Case Narrative

WO#: **25031751**
Date: **4/22/2025**

CLIENT: TEKLAB Inc,
Project: 25030754

WorkOrder Narrative:
25031751: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Alliance Technical Group - Akro
3310 Win S
Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **25031751**
Date: **4/22/2025**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*****	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Alliance Technical Group - Akron
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Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **25031751**

22-Apr-25

CLIENT: TEKLAB Inc,
Project: 25030754

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25031751-001	25030754-001		3/18/2025 12:17:00 PM	3/21/2025 12:45:00 PM	Non-Potable Water

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

DATES REPORT

WO#: **25031751**

22-Apr-25

SC_236

Client: TEKLAB Inc,
Project: 25030754

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25031751-001A	25030754-001	3/18/2025 12:17:00 PM	Non-Potable Water	Radium-226 (EPA 903.0)		4/14/2025 4:00:36 PM	4/21/2025 10:58:00 AM
				Radium-228 (EPA 904.0)		4/14/2025 4:00:36 PM	4/18/2025 2:20:00 PM

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25031751**

Date Reported: **4/22/2025**

CLIENT: TEKLAB Inc,
Collection Date: 3/18/2025 12:17:00 PM
Project: 25030754
Lab ID: 25031751-001
Matrix: NON-POTABLE WATER
Client Sample ID: 25030754-001

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **HDJ**
Radium-226	ND	1.00		pCi/L	± 0.0600	1	4/21/2025 10:58:00 AM
Yield	1.00					1	4/21/2025 10:58:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **HDJ**
Radium-228	ND	1.00		pCi/L	± 0.400	1	4/18/2025 2:20:00 PM
Yield	0.980					1	4/18/2025 2:20:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_237

Alliance TECHNICAL GROUP
25 YEAR ANNIVERSARY
Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25031751**

22-Apr-25

SC_238

Client: TEKLAB Inc,
Project: 25030754 **BatchID:** **83646**

Sample ID: **MB-83646**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **4/14/2025**	RunNo: **207342**
Client ID: **BatchQC**	Batch ID: **83646**	TestNo: **E904.0**	**E903-904**	Analysis Date: **4/18/2025**	SeqNo: **5548239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-83646**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **4/14/2025**	RunNo: **207342**
Client ID: **BatchQC**	Batch ID: **83646**	TestNo: **E904.0**	**E903-904**	Analysis Date: **4/18/2025**	SeqNo: **5548240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.42	1.00	5.000	0	68.4	50	130				
Yield	1.00			0	0						

Sample ID: **LCSD-83646**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **4/14/2025**	RunNo: **207342**
Client ID: **BatchQC**	Batch ID: **83646**	TestNo: **E904.0**	**E903-904**	Analysis Date: **4/18/2025**	SeqNo: **5548241**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	2.87	1.00	5.000	0	57.4	50	130	3.420	17.5	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25031751**

22-Apr-25

SC_239

Client: TEKLAB Inc,
Project: 25030754 **BatchID:** **83646**

Sample ID: **25031742-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207342**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E904.0** **E903-904** Analysis Date: **4/18/2025** SeqNo: **5548246**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	0.800			0	0			0.9800	20.2		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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25 YEAR ANNIVERSARY
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Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25031751**
22-Apr-25

SC_240

Client: TEKLAB Inc,
Project: 25030754 **BatchID:** **83646**

Sample ID: **MB-83646** SampType: **MBLK** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207393**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E903.0** **E903-904** Analysis Date: **4/21/2025** SeqNo: **5549116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-83646** SampType: **LCS** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207393**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E903.0** **E903-904** Analysis Date: **4/21/2025** SeqNo: **5549117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	3.91	1.00	5.000	0	78.2	70	130				QLR

Sample ID: **LCSD-83646** SampType: **LCSD** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207393**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E903.0** **E903-904** Analysis Date: **4/21/2025** SeqNo: **5549118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.90	1.00	5.000	0	98.0	70	130	3.910	22.5	20	R

Sample ID: **25031742-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207393**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E903.0** **E903-904** Analysis Date: **4/21/2025** SeqNo: **5549123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

Alliance TECHNICAL GROUP
25 YEAR ANNIVERSARY
Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25031751**
22-Apr-25

SC_241

Client: TEKLAB Inc,
Project: 25030754 **BatchID:** **83646**

Sample ID: **25031742-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207393**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E903.0** **E903-904** Analysis Date: **4/21/2025** SeqNo: **5549123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Sample ID: **25031743-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **4/14/2025** RunNo: **207393**
Client ID: **BatchQC** Batch ID: **83646** TestNo: **E903.0** **E903-904** Analysis Date: **4/21/2025** SeqNo: **5549125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	20	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

APPENDIX C-2:

Second Quarter 2025
Laboratory Analytical Report and Field Notes

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Sample Log-In Check List

Client Name: TEK-IL-62234-A Work Order Number: 25031751 RcptNo: 1

Logged by:	Tegan A. Richards	3/21/2025 12:45:00 PM	Tegan Richards
Completed By:	Tegan A. Richards	3/22/2025 4:31:16 PM	Tegan Richards
Reviewed By:	Jennifer Woolf	3/24/2025 12:44:54 PM	Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☑ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐
   No. Seal Date: 3/13/2025 Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   Not required
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:
    relinquish time & date not included

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	18.2	Good	Yes		3/19/2025	

SC_244

June 27, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Illinois	1004652024-2
Kansas	E-10438
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells **WorkOrder:** 25051158

Dear Eric Staley:

TEKLAB, INC received 22 samples on 5/28/2025 1:50:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25051158
Report Date: 27-Jun-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	29
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25051158

Client Project: Ash Pond Monitoring Wells **Report Date:** 27-Jun-25

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25051158
Report Date: 27-Jun-25

Cooler Receipt Temp: 5.9 °C

An employee of Teklab, Inc. collected the sample(s).

Radium-226 & -228 analysis was performed by Eurofins St. Louis. See attached report for results.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10438	NELAP	7/31/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2026	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2026	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-001
Client Sample ID: RW-3
Matrix: GROUNDWATER
Collection Date: 05/21/2025 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.49**	ft	1	05/21/2025 10:20	R365853
Depth to water	*	-5.00		**6.57**	ft	1	05/21/2025 10:20	R365853
Depth to water from measuring point	*	0		**9.27**	ft	1	05/21/2025 10:20	R365853
Elevation of groundwater surface	*	0		**530.23**	ft	1	05/21/2025 10:20	R365853
Measuring Point Elevation	*	0		**539.50**	ft	1	05/21/2025 10:20	R365853
Measuring Point Height Above Land Surface	*	0		**2.70**	ft	1	05/21/2025 10:20	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**5.0**	NTU	1	05/21/2025 10:20	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.6**	°F	1	05/21/2025 10:20	R365853
SW-846 9040B								
pH, Field	*	1.00		**7.03**		1	05/21/2025 10:20	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**650**	µmhos/cm @25C	1	05/21/2025 10:20	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		**385**	mg/L	2.5	05/27/2025 15:58	R365834
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 12:48	R365418
Chloride	NELAP	5.00		**25.0**	mg/L	10	05/22/2025 12:48	R365418
Sulfate	NELAP	10.0		**ND**	mg/L	10	05/22/2025 12:48	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.142**	mg/L	1	05/29/2025 8:50	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:50	239494
Boron	NELAP	0.0200		**0.153**	mg/L	1	05/29/2025 8:50	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:50	239494
Calcium	NELAP	0.100	B	**64.9**	mg/L	1	05/29/2025 8:50	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:50	239494
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:50	239494
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 8:50	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:50	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:05	239494
Arsenic	NELAP	0.0010		**0.0808**	mg/L	5	05/27/2025 21:20	239494
Lithium	*	0.0030		**0.0051**	mg/L	5	05/27/2025 21:20	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:05	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:05	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:26	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-002
Client Sample ID: AP-1
Matrix: GROUNDWATER
Collection Date: 05/28/2025 9:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**504.29**	ft	1	05/28/2025 9:56	R365853
Depth to water	*	-5.00		**7.52**	ft	1	05/28/2025 9:56	R365853
Depth to water from measuring point	*	0		**9.79**	ft	1	05/28/2025 9:56	R365853
Elevation of groundwater surface	*	0		**525.58**	ft	1	05/28/2025 9:56	R365853
Measuring Point Elevation	*	0		**535.37**	ft	1	05/28/2025 9:56	R365853
Measuring Point Height Above Land Surface	*	0		**2.27**	ft	1	05/28/2025 9:56	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**9.7**	NTU	1	05/28/2025 9:56	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**57.2**	°F	1	05/28/2025 9:56	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.42**		1	05/28/2025 9:56	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2100**	µmhos/cm @25C	1	05/28/2025 9:56	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1740**	mg/L	1	06/04/2025 8:44	R366213
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/29/2025 8:47	R365636
Chloride	NELAP	5.00		**50.1**	mg/L	10	05/29/2025 8:47	R365636
Sulfate	NELAP	10.0		**858**	mg/L	10	05/29/2025 8:47	R365636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.262**	mg/L	1	06/03/2025 12:47	239769
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	06/03/2025 12:47	239769
Boron	NELAP	0.200		**20.8**	mg/L	10	06/04/2025 12:30	239769
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	06/03/2025 12:47	239769
Calcium	NELAP	0.100		**228**	mg/L	1	06/03/2025 12:47	239769
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	06/03/2025 12:47	239769
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	06/03/2025 12:47	239769
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	06/03/2025 12:47	239769
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	06/03/2025 12:47	239769
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/30/2025 13:09	239769
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	06/03/2025 0:45	239769
Lithium	*	0.0030		**0.0102**	mg/L	5	05/30/2025 13:09	239769
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/30/2025 13:09	239769
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/30/2025 13:09	239769
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/30/2025 11:47	239778
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-003
Client Sample ID: AP-2
Matrix: GROUNDWATER
Collection Date: 05/21/2025 13:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.77**	ft	1	05/21/2025 13:33	R365853
Depth to water	*	-5.00		**5.29**	ft	1	05/21/2025 13:33	R365853
Depth to water from measuring point	*	0		**7.79**	ft	1	05/21/2025 13:33	R365853
Elevation of groundwater surface	*	0		**528.31**	ft	1	05/21/2025 13:33	R365853
Measuring Point Elevation	*	0		**536.10**	ft	1	05/21/2025 13:33	R365853
Measuring Point Height Above Land Surface	*	0		**2.50**	ft	1	05/21/2025 13:33	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**24**	NTU	1	05/21/2025 13:33	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.4**	°F	1	05/21/2025 13:33	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.45**		1	05/21/2025 13:33	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1180**	µmhos/cm @25C	1	05/21/2025 13:33	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1100**	mg/L	1	05/27/2025 15:58	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 13:01	R365418
Chloride	NELAP	5.00		**36.2**	mg/L	10	05/22/2025 13:01	R365418
Sulfate	NELAP	10.0		**367**	mg/L	10	05/22/2025 13:01	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0654**	mg/L	1	05/29/2025 8:50	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:50	239494
Boron	NELAP	0.0200		**3.12**	mg/L	1	05/29/2025 8:50	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:50	239494
Calcium	NELAP	0.100	B	**183**	mg/L	1	05/29/2025 8:50	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:50	239494
Cobalt	NELAP	0.0050		**0.0095**	mg/L	1	05/29/2025 8:50	239494
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 8:50	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:50	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:11	239494
Arsenic	NELAP	0.0010		**0.0013**	mg/L	5	05/27/2025 21:26	239494
Lithium	*	0.0030		**0.0059**	mg/L	5	05/27/2025 21:26	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:11	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:11	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:28	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-004
Client Sample ID: AP-3
Matrix: GROUNDWATER
Collection Date: 05/21/2025 12:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.45**	ft	1	05/21/2025 12:56	R365853
Depth to water	*	-5.00		**5.12**	ft	1	05/21/2025 12:56	R365853
Depth to water from measuring point	*	0		**7.67**	ft	1	05/21/2025 12:56	R365853
Elevation of groundwater surface	*	0		**527.58**	ft	1	05/21/2025 12:56	R365853
Measuring Point Elevation	*	0		**535.25**	ft	1	05/21/2025 12:56	R365853
Measuring Point Height Above Land Surface	*	0		**2.55**	ft	1	05/21/2025 12:56	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**9.2**	NTU	1	05/21/2025 12:56	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**55.8**	°F	1	05/21/2025 12:56	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.53**		1	05/21/2025 12:56	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1130**	µmhos/cm @25C	1	05/21/2025 12:56	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		**1180**	mg/L	5	05/27/2025 15:59	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 13:13	R365418
Chloride	NELAP	5.00		**61.7**	mg/L	10	05/22/2025 13:13	R365418
Sulfate	NELAP	10.0		**505**	mg/L	10	05/22/2025 13:13	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.106**	mg/L	1	05/29/2025 8:51	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:51	239494
Boron	NELAP	0.0200		**12.9**	mg/L	1	05/29/2025 8:51	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:51	239494
Calcium	NELAP	0.100	B	**171**	mg/L	1	05/29/2025 8:51	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:51	239494
Cobalt	NELAP	0.0050		**0.0081**	mg/L	1	05/30/2025 8:29	239494
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 8:51	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:51	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:17	239494
Arsenic	NELAP	0.0010		**0.0103**	mg/L	5	05/27/2025 21:31	239494
Lithium	*	0.0030		**0.0046**	mg/L	5	05/27/2025 21:31	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:17	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:17	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:35	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-005
Client Sample ID: AP-4
Matrix: GROUNDWATER
Collection Date: 05/28/2025 11:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.19**	ft	1	05/28/2025 11:31	R365853
Depth to water	*	-5.00		**7.24**	ft	1	05/28/2025 11:31	R365853
Depth to water from measuring point	*	0		**10.38**	ft	1	05/28/2025 11:31	R365853
Elevation of groundwater surface	*	0		**545.22**	ft	1	05/28/2025 11:31	R365853
Measuring Point Elevation	*	0		**555.60**	ft	1	05/28/2025 11:31	R365853
Measuring Point Height Above Land Surface	*	0		**3.14**	ft	1	05/28/2025 11:31	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**170**	NTU	1	05/28/2025 11:31	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**61.6**	°F	1	05/28/2025 11:31	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.69**		1	05/28/2025 11:31	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**979**	µmhos/cm @25C	1	05/28/2025 11:31	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**528**	mg/L	1	06/04/2025 8:44	R366213
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/29/2025 9:00	R365636
Chloride	NELAP	5.00		**12.1**	mg/L	10	05/29/2025 9:00	R365636
Sulfate	NELAP	10.0		**ND**	mg/L	10	05/29/2025 9:00	R365636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.434**	mg/L	1	06/03/2025 12:48	239769
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	06/03/2025 12:48	239769
Boron	NELAP	0.0200		**0.0772**	mg/L	1	06/03/2025 12:48	239769
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	06/03/2025 12:48	239769
Calcium	NELAP	0.100		**113**	mg/L	1	06/03/2025 12:48	239769
Chromium	NELAP	0.0050		**0.0081**	mg/L	1	06/03/2025 12:48	239769
Cobalt	NELAP	0.0050		**0.0083**	mg/L	1	06/03/2025 12:48	239769
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	06/04/2025 12:31	239769
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	06/03/2025 12:48	239769
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/30/2025 13:15	239769
Arsenic	NELAP	0.0010		**0.0223**	mg/L	5	06/03/2025 0:51	239769
Lithium	*	0.0030		**0.0117**	mg/L	5	05/30/2025 13:15	239769
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/30/2025 13:15	239769
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/30/2025 13:15	239769
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/30/2025 11:49	239778
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/24/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-006
Client Sample ID: AP-5
Matrix: GROUNDWATER
Collection Date: 05/21/2025 10:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**552.63**	ft	1	05/21/2025 10:31	R365853
Depth to water	*	-5.00		**12.11**	ft	1	05/21/2025 10:31	R365853
Depth to water from measuring point	*	0		**14.41**	ft	1	05/21/2025 10:31	R365853
Elevation of groundwater surface	*	0		**569.49**	ft	1	05/21/2025 10:31	R365853
Measuring Point Elevation	*	0		**583.90**	ft	1	05/21/2025 10:31	R365853
Measuring Point Height Above Land Surface	*	0		**2.30**	ft	1	05/21/2025 10:31	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**2.3**	NTU	1	05/21/2025 10:31	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**55.3**	°F	1	05/21/2025 10:31	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.67**		1	05/21/2025 10:31	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**834**	µmhos/cm @25C	1	05/21/2025 10:31	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**514**	mg/L	1	05/27/2025 16:00	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 13:26	R365418
Chloride	NELAP	5.00		**9.13**	mg/L	10	05/22/2025 13:26	R365418
Sulfate	NELAP	10.0		**63.6**	mg/L	10	05/22/2025 13:26	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0571**	mg/L	1	05/29/2025 8:52	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:52	239494
Boron	NELAP	0.0200		**0.0521**	mg/L	1	05/29/2025 8:52	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:52	239494
Calcium	NELAP	0.100	B	**97.6**	mg/L	1	05/29/2025 8:52	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:52	239494
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:52	239494
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 8:52	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:52	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:23	239494
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 21:37	239494
Lithium	*	0.0030		**0.0044**	mg/L	5	05/27/2025 21:37	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:23	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:23	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:42	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-007
Client Sample ID: AP-6
Matrix: GROUNDWATER
Collection Date: 05/21/2025 14:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**498.20**	ft	1	05/21/2025 14:16	R365853
Depth to water	*	-5.00		**5.35**	ft	1	05/21/2025 14:16	R365853
Depth to water from measuring point	*	0		**7.77**	ft	1	05/21/2025 14:16	R365853
Elevation of groundwater surface	*	0		**530.05**	ft	1	05/21/2025 14:16	R365853
Measuring Point Elevation	*	0		**537.82**	ft	1	05/21/2025 14:16	R365853
Measuring Point Height Above Land Surface	*	0		**2.42**	ft	1	05/21/2025 14:16	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.0**	NTU	1	05/21/2025 14:16	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.7**	°F	1	05/21/2025 14:16	R365853
SW-846 9040B								
pH, Field	*	1.00		**7.00**		1	05/21/2025 14:16	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**684**	µmhos/cm @25C	1	05/21/2025 14:16	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**432**	mg/L	1	05/27/2025 16:00	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**0.58**	mg/L	10	05/22/2025 13:39	R365418
Chloride	NELAP	5.00		**32.6**	mg/L	10	05/22/2025 13:39	R365418
Sulfate	NELAP	10.0		**ND**	mg/L	10	05/22/2025 13:39	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.154**	mg/L	1	05/29/2025 8:53	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:53	239494
Boron	NELAP	0.0200		**0.407**	mg/L	1	05/29/2025 8:53	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:53	239494
Calcium	NELAP	0.100	B	**65.1**	mg/L	1	05/29/2025 8:53	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:53	239494
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:53	239494
Lead	NELAP	0.0075		**0.0230**	mg/L	1	05/29/2025 8:53	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:53	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:29	239494
Arsenic	NELAP	0.0010		**0.0037**	mg/L	5	05/27/2025 21:42	239494
Lithium	*	0.0030		**0.0073**	mg/L	5	05/27/2025 21:42	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:29	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:29	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:44	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-008
Client Sample ID: AP-7
Matrix: GROUNDWATER
Collection Date: 05/27/2025 11:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**496.50**	ft	1	05/27/2025 11:57	R365853
Depth to water	*	-5.00		**7.98**	ft	1	05/27/2025 11:57	R365853
Depth to water from measuring point	*	0		**10.64**	ft	1	05/27/2025 11:57	R365853
Elevation of groundwater surface	*	0		**528.38**	ft	1	05/27/2025 11:57	R365853
Measuring Point Elevation	*	0		**539.02**	ft	1	05/27/2025 11:57	R365853
Measuring Point Height Above Land Surface	*	0		**2.66**	ft	1	05/27/2025 11:57	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.6**	NTU	1	05/27/2025 11:57	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.4**	°F	1	05/27/2025 11:57	R365853
SW-846 9040B								
pH, Field	*	1.00		**7.14**		1	05/27/2025 11:57	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**770**	µmhos/cm @25C	1	05/27/2025 11:57	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**652**	mg/L	1	06/03/2025 6:58	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**0.55**	mg/L	10	05/28/2025 10:27	R365685
Chloride	NELAP	5.00		**81.4**	mg/L	10	05/28/2025 10:27	R365685
Sulfate	NELAP	10.0		**ND**	mg/L	10	05/28/2025 10:27	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.137**	mg/L	1	05/29/2025 14:54	239684
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 14:54	239684
Boron	NELAP	0.0200		**0.393**	mg/L	1	05/29/2025 14:54	239684
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 14:54	239684
Calcium	NELAP	0.100		**58.4**	mg/L	1	05/29/2025 14:54	239684
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:54	239684
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:54	239684
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 14:54	239684
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 14:54	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 15:19	239684
Arsenic	NELAP	0.0010		**0.0289**	mg/L	5	05/28/2025 15:19	239684
Lithium	*	0.0030		**0.0106**	mg/L	5	05/28/2025 15:19	239684
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 15:19	239684
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 15:19	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/29/2025 15:37	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-009
Client Sample ID: AP-8
Matrix: GROUNDWATER
Collection Date: 05/21/2025 11:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**497.60**	ft	1	05/21/2025 11:12	R365853
Depth to water	*	-5.00		**1.11**	ft	1	05/21/2025 11:12	R365853
Depth to water from measuring point	*	0		**4.01**	ft	1	05/21/2025 11:12	R365853
Elevation of groundwater surface	*	0		**533.19**	ft	1	05/21/2025 11:12	R365853
Measuring Point Elevation	*	0		**537.20**	ft	1	05/21/2025 11:12	R365853
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	05/21/2025 11:12	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**37**	NTU	1	05/21/2025 11:12	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.3**	°F	1	05/21/2025 11:12	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.78**		1	05/21/2025 11:12	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**876**	µmhos/cm @25C	1	05/21/2025 11:12	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		**580**	mg/L	5	05/27/2025 16:00	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 13:52	R365418
Chloride	NELAP	5.00		**22.6**	mg/L	10	05/22/2025 13:52	R365418
Sulfate	NELAP	10.0		**ND**	mg/L	10	05/22/2025 13:52	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.415**	mg/L	1	05/29/2025 8:53	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:53	239494
Boron	NELAP	0.0200		**0.963**	mg/L	1	05/29/2025 8:53	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:53	239494
Calcium	NELAP	0.100	B	**97.7**	mg/L	1	05/29/2025 8:53	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:53	239494
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:53	239494
Lead	NELAP	0.0075		**0.132**	mg/L	1	05/29/2025 8:53	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:53	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:35	239494
Arsenic	NELAP	0.0010		**0.0446**	mg/L	5	05/27/2025 21:48	239494
Lithium	*	0.0030		**0.0072**	mg/L	5	05/27/2025 21:48	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:35	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:35	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:47	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-010
Client Sample ID: AP-9
Matrix: GROUNDWATER
Collection Date: 05/27/2025 10:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.70**	ft	1	05/27/2025 10:24	R365853
Depth to water	*	-5.00		**9.39**	ft	1	05/27/2025 10:24	R365853
Depth to water from measuring point	*	0		**12.49**	ft	1	05/27/2025 10:24	R365853
Elevation of groundwater surface	*	0		**527.81**	ft	1	05/27/2025 10:24	R365853
Measuring Point Elevation	*	0		**540.30**	ft	1	05/27/2025 10:24	R365853
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	05/27/2025 10:24	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**45**	NTU	1	05/27/2025 10:24	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.6**	°F	1	05/27/2025 10:24	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.79**		1	05/27/2025 10:24	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**963**	µmhos/cm @25C	1	05/27/2025 10:24	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	33		**681**	mg/L	1.67	06/03/2025 6:58	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/28/2025 10:38	R365685
Chloride	NELAP	5.00		**27.0**	mg/L	10	05/28/2025 10:38	R365685
Sulfate	NELAP	10.0		**17.9**	mg/L	10	05/28/2025 10:38	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.322**	mg/L	1	05/29/2025 14:28	239684
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 14:28	239684
Boron	NELAP	0.0200		**0.0887**	mg/L	1	05/29/2025 14:28	239684
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 14:28	239684
Calcium	NELAP	0.100	S	**99.4**	mg/L	1	05/29/2025 14:28	239684
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:28	239684
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:28	239684
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 14:28	239684
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 14:28	239684
Matrix spike control limits are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 15:25	239684
Arsenic	NELAP	0.0010		**0.0014**	mg/L	5	05/28/2025 15:25	239684
Lithium	*	0.0030		**0.0064**	mg/L	5	05/28/2025 15:25	239684
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 15:25	239684
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 15:25	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/29/2025 15:39	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-011
Client Sample ID: AP-10
Matrix: GROUNDWATER
Collection Date: 05/21/2025 12:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**499.43**	ft	1	05/21/2025 12:04	R365853
Depth to water	*	-5.00		**0.82**	ft	1	05/21/2025 12:04	R365853
Depth to water from measuring point	*	0		**3.92**	ft	1	05/21/2025 12:04	R365853
Elevation of groundwater surface	*	0		**533.58**	ft	1	05/21/2025 12:04	R365853
Measuring Point Elevation	*	0		**537.50**	ft	1	05/21/2025 12:04	R365853
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	05/21/2025 12:04	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**140**	NTU	1	05/21/2025 12:04	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**57.2**	°F	1	05/21/2025 12:04	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.63**		1	05/21/2025 12:04	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1100**	µmhos/cm @25C	1	05/21/2025 12:04	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		**820**	mg/L	5	05/27/2025 16:00	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 14:42	R365418
Chloride	NELAP	5.00		**24.6**	mg/L	10	05/22/2025 14:42	R365418
Sulfate	NELAP	10.0		**94.9**	mg/L	10	05/22/2025 14:42	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.765**	mg/L	1	05/29/2025 8:54	239494
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 8:54	239494
Boron	NELAP	0.0200		**4.50**	mg/L	1	05/29/2025 8:54	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 8:54	239494
Calcium	NELAP	0.100	B	**143**	mg/L	1	05/29/2025 8:54	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:54	239494
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 8:54	239494
Lead	NELAP	0.0075		**0.0621**	mg/L	1	05/29/2025 8:54	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 8:54	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 20:48	239494
Arsenic	NELAP	0.0010		**0.0015**	mg/L	5	05/27/2025 22:33	239494
Lithium	*	0.0030		**0.0107**	mg/L	5	05/27/2025 22:33	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 20:48	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 20:48	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:49	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-012
Client Sample ID: AP-11
Matrix: GROUNDWATER
Collection Date: 05/22/2025 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.15**	ft	1	05/22/2025 10:55	R365853
Depth to water	*	-5.00		**9.23**	ft	1	05/22/2025 10:55	R365853
Depth to water from measuring point	*	0		**12.03**	ft	1	05/22/2025 10:55	R365853
Elevation of groundwater surface	*	0		**526.07**	ft	1	05/22/2025 10:55	R365853
Measuring Point Elevation	*	0		**538.10**	ft	1	05/22/2025 10:55	R365853
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	05/22/2025 10:55	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.9**	NTU	1	05/22/2025 10:55	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**55.5**	°F	1	05/22/2025 10:55	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.53**		1	05/22/2025 10:55	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1110**	µmhos/cm @25C	1	05/22/2025 10:55	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**784**	mg/L	1	05/27/2025 16:00	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/23/2025 11:34	R365491
Chloride	NELAP	5.00		**129**	mg/L	10	05/23/2025 11:34	R365491
Sulfate	NELAP	10.0		**84.6**	mg/L	10	05/23/2025 11:34	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.140**	mg/L	1	05/29/2025 15:54	239543
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 15:54	239543
Boron	NELAP	0.0200		**0.273**	mg/L	1	05/29/2025 15:54	239543
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 15:54	239543
Calcium	NELAP	0.100		**160**	mg/L	1	05/29/2025 15:54	239543
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:54	239543
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:54	239543
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 15:54	239543
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 15:54	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 11:30	239543
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 11:30	239543
Lithium	*	0.0030		**0.0034**	mg/L	5	05/27/2025 11:30	239543
Selenium	NELAP	0.0010		**0.0049**	mg/L	5	05/27/2025 11:30	239543
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/23/2025 13:35	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/23/2025 14:29	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-013
Client Sample ID: AP-12
Matrix: GROUNDWATER
Collection Date: 05/22/2025 11:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**510.30**	ft	1	05/22/2025 11:38	R365853
Depth to water	*	-5.00		**12.26**	ft	1	05/22/2025 11:38	R365853
Depth to water from measuring point	*	0		**15.16**	ft	1	05/22/2025 11:38	R365853
Elevation of groundwater surface	*	0		**525.54**	ft	1	05/22/2025 11:38	R365853
Measuring Point Elevation	*	0		**540.70**	ft	1	05/22/2025 11:38	R365853
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	05/22/2025 11:38	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**98**	NTU	1	05/22/2025 11:38	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.2**	°F	1	05/22/2025 11:38	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.50**		1	05/22/2025 11:38	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1330**	µmhos/cm @25C	1	05/22/2025 11:38	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	100		**1190**	mg/L	5	05/27/2025 16:01	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/23/2025 12:12	R365491
Chloride	NELAP	5.00		**113**	mg/L	10	05/23/2025 12:12	R365491
Sulfate	NELAP	10.0		**416**	mg/L	10	05/23/2025 12:12	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0575**	mg/L	1	05/29/2025 15:55	239543
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 15:55	239543
Boron	NELAP	0.0200		**0.0205**	mg/L	1	05/29/2025 15:55	239543
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 15:55	239543
Calcium	NELAP	0.100		**204**	mg/L	1	05/29/2025 15:55	239543
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:55	239543
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:55	239543
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 15:55	239543
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 15:55	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 11:36	239543
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 11:36	239543
Lithium	*	0.0030		**0.0056**	mg/L	5	05/27/2025 11:36	239543
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 11:36	239543
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/23/2025 13:41	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/23/2025 14:31	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-014
Client Sample ID: AP-13
Matrix: GROUNDWATER
Collection Date: 05/22/2025 13:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**511.00**	ft	1	05/22/2025 13:07	R365853
Depth to water	*	-5.00		**11.33**	ft	1	05/22/2025 13:07	R365853
Depth to water from measuring point	*	0		**14.73**	ft	1	05/22/2025 13:07	R365853
Elevation of groundwater surface	*	0		**527.27**	ft	1	05/22/2025 13:07	R365853
Measuring Point Elevation	*	0		**542.00**	ft	1	05/22/2025 13:07	R365853
Measuring Point Height Above Land Surface	*	0		**3.40**	ft	1	05/22/2025 13:07	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**25**	NTU	1	05/22/2025 13:07	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.6**	°F	1	05/22/2025 13:07	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.68**		1	05/22/2025 13:07	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**755**	µmhos/cm @25C	1	05/22/2025 13:07	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		**595**	mg/L	2.5	05/27/2025 16:01	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/23/2025 13:03	R365491
Chloride	NELAP	5.00		**24.7**	mg/L	10	05/23/2025 13:03	R365491
Sulfate	NELAP	10.0		**124**	mg/L	10	05/23/2025 13:03	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.127**	mg/L	1	05/29/2025 15:56	239543
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 15:56	239543
Boron	NELAP	0.0200		**0.0276**	mg/L	1	05/29/2025 15:56	239543
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 15:56	239543
Calcium	NELAP	0.100		**114**	mg/L	1	05/29/2025 15:56	239543
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:56	239543
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:56	239543
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 15:56	239543
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 15:56	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:09	239543
Arsenic	NELAP	0.0010		**0.0032**	mg/L	5	05/27/2025 12:09	239543
Lithium	*	0.0030		**0.0107**	mg/L	5	05/27/2025 12:09	239543
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:09	239543
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/23/2025 13:47	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/23/2025 14:38	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-015
Client Sample ID: AP-14
Matrix: GROUNDWATER
Collection Date: 05/27/2025 13:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**508.40**	ft	1	05/27/2025 13:44	R365853
Depth to water	*	-5.00		**-0.08**	ft	1	05/27/2025 13:44	R365853
Depth to water from measuring point	*	0		**2.72**	ft	1	05/27/2025 13:44	R365853
Elevation of groundwater surface	*	0		**536.88**	ft	1	05/27/2025 13:44	R365853
Measuring Point Elevation	*	0		**539.60**	ft	1	05/27/2025 13:44	R365853
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	05/27/2025 13:44	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.2**	NTU	1	05/27/2025 13:44	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**57.8**	°F	1	05/27/2025 13:44	R365853
SW-846 9040B								
pH, Field	*	1.00		**7.02**		1	05/27/2025 13:44	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2020**	µmhos/cm @25C	1	05/27/2025 13:44	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	33		**1620**	mg/L	1.67	06/03/2025 6:58	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/28/2025 11:25	R365685
Chloride	NELAP	5.00		**105**	mg/L	10	05/28/2025 11:25	R365685
Sulfate	NELAP	10.0		**909**	mg/L	10	05/28/2025 11:25	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0384**	mg/L	1	05/29/2025 14:55	239684
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 14:55	239684
Boron	NELAP	0.200		**21.7**	mg/L	10	06/02/2025 22:21	239684
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 14:55	239684
Calcium	NELAP	0.100		**276**	mg/L	1	05/29/2025 14:55	239684
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:55	239684
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:55	239684
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 14:55	239684
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 14:55	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:08	239684
Arsenic	NELAP	0.0010		**0.0017**	mg/L	5	05/28/2025 16:08	239684
Lithium	*	0.0030		**0.0073**	mg/L	5	05/28/2025 16:08	239684
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:08	239684
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 16:08	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/29/2025 15:46	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-016
Client Sample ID: T-1
Matrix: GROUNDWATER
Collection Date: 05/22/2025 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**512.70**	ft	1	05/22/2025 13:50	R365853
Depth to water	*	-5.00		**10.53**	ft	1	05/22/2025 13:50	R365853
Depth to water from measuring point	*	0		**10.86**	ft	1	05/22/2025 13:50	R365853
Elevation of groundwater surface	*	0		**524.79**	ft	1	05/22/2025 13:50	R365853
Measuring Point Elevation	*	0		**535.65**	ft	1	05/22/2025 13:50	R365853
Measuring Point Height Above Land Surface	*	0		**0.33**	ft	1	05/22/2025 13:50	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**24**	NTU	1	05/22/2025 13:50	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.1**	°F	1	05/22/2025 13:50	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.58**		1	05/22/2025 13:50	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1280**	µmhos/cm @25C	1	05/22/2025 13:50	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**962**	mg/L	1	05/27/2025 16:01	R365834
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/23/2025 13:16	R365491
Chloride	NELAP	5.00		**232**	mg/L	10	05/23/2025 13:16	R365491
Sulfate	NELAP	10.0		**148**	mg/L	10	05/23/2025 13:16	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0586**	mg/L	1	05/29/2025 15:56	239543
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 15:56	239543
Boron	NELAP	0.0200		**0.163**	mg/L	1	05/29/2025 15:56	239543
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 15:56	239543
Calcium	NELAP	0.100		**165**	mg/L	1	05/29/2025 15:56	239543
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:56	239543
Cobalt	NELAP	0.0050		**0.0055**	mg/L	1	05/29/2025 15:56	239543
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 15:56	239543
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 15:56	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:14	239543
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:14	239543
Lithium	*	0.0030		**0.0142**	mg/L	5	05/27/2025 12:14	239543
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:14	239543
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/23/2025 14:17	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/23/2025 14:40	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-017
Client Sample ID: T-2
Matrix: GROUNDWATER
Collection Date: 05/22/2025 12:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.18**	ft	1	05/22/2025 12:19	R365853
Depth to water	*	-5.00		**21.43**	ft	1	05/22/2025 12:19	R365853
Depth to water from measuring point	*	0		**23.83**	ft	1	05/22/2025 12:19	R365853
Elevation of groundwater surface	*	0		**525.79**	ft	1	05/22/2025 12:19	R365853
Measuring Point Elevation	*	0		**549.62**	ft	1	05/22/2025 12:19	R365853
Measuring Point Height Above Land Surface	*	0		**2.40**	ft	1	05/22/2025 12:19	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**17**	NTU	1	05/22/2025 12:19	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**57.1**	°F	1	05/22/2025 12:19	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.55**		1	05/22/2025 12:19	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1740**	µmhos/cm @25C	1	05/22/2025 12:19	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		**1550**	mg/L	2.5	05/27/2025 16:01	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/23/2025 13:28	R365491
Chloride	NELAP	5.00		**522**	mg/L	10	05/23/2025 13:28	R365491
Sulfate	NELAP	10.0		**143**	mg/L	10	05/23/2025 13:28	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.226**	mg/L	1	05/29/2025 16:02	239543
Beryllium	NELAP	0.0005		**0.0005**	mg/L	1	05/29/2025 16:02	239543
Boron	NELAP	0.0200		**0.0507**	mg/L	1	05/29/2025 16:02	239543
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 16:02	239543
Calcium	NELAP	0.100		**231**	mg/L	1	05/29/2025 16:02	239543
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 16:02	239543
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	06/03/2025 10:13	239543
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 16:02	239543
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 16:02	239543
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:20	239543
Arsenic	NELAP	0.0010		**0.0056**	mg/L	5	05/27/2025 12:20	239543
Lithium	*	0.0030		**0.0320**	mg/L	5	05/27/2025 12:20	239543
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:20	239543
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/23/2025 14:23	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/23/2025 14:43	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-018
Client Sample ID: T-4
Matrix: GROUNDWATER
Collection Date: 05/27/2025 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**521.52**	ft	1	05/27/2025 11:04	R365853
Depth to water	*	-5.00		**13.26**	ft	1	05/27/2025 11:04	R365853
Depth to water from measuring point	*	0		**15.64**	ft	1	05/27/2025 11:04	R365853
Elevation of groundwater surface	*	0		**533.30**	ft	1	05/27/2025 11:04	R365853
Measuring Point Elevation	*	0		**548.94**	ft	1	05/27/2025 11:04	R365853
Measuring Point Height Above Land Surface	*	0		**2.38**	ft	1	05/27/2025 11:04	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**23**	NTU	1	05/27/2025 11:04	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.2**	°F	1	05/27/2025 11:04	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.63**		1	05/27/2025 11:04	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**641**	µmhos/cm @25C	1	05/27/2025 11:04	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	33		**478**	mg/L	1.67	06/03/2025 6:59	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/28/2025 11:37	R365685
Chloride	NELAP	5.00		**ND**	mg/L	10	05/28/2025 11:37	R365685
Sulfate	NELAP	10.0		**101**	mg/L	10	05/28/2025 11:37	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0345**	mg/L	1	05/29/2025 14:56	239684
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 14:56	239684
Boron	NELAP	0.0200		**0.0577**	mg/L	1	05/29/2025 14:56	239684
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 14:56	239684
Calcium	NELAP	0.100		**72.8**	mg/L	1	05/29/2025 14:56	239684
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:56	239684
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 14:56	239684
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 14:56	239684
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 14:56	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:14	239684
Arsenic	NELAP	0.0010		**0.0039**	mg/L	5	05/28/2025 16:14	239684
Lithium	*	0.0030		**0.0158**	mg/L	5	05/28/2025 16:14	239684
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:14	239684
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 16:14	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/29/2025 15:48	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-019
Client Sample ID: T-5
Matrix: GROUNDWATER
Collection Date: 05/27/2025 13:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**518.32**	ft	1	05/27/2025 13:23	R365853
Depth to water	*	-5.00		**6.06**	ft	1	05/27/2025 13:23	R365853
Depth to water from measuring point	*	0		**8.57**	ft	1	05/27/2025 13:23	R365853
Elevation of groundwater surface	*	0		**532.09**	ft	1	05/27/2025 13:23	R365853
Measuring Point Elevation	*	0		**540.66**	ft	1	05/27/2025 13:23	R365853
Measuring Point Height Above Land Surface	*	0		**2.51**	ft	1	05/27/2025 13:23	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**9.9**	NTU	1	05/27/2025 13:23	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**60.7**	°F	1	05/27/2025 13:23	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.77**		1	05/27/2025 13:23	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**536**	µmhos/cm @25C	1	05/27/2025 13:23	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**428**	mg/L	1	06/03/2025 6:59	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/28/2025 11:48	R365685
Chloride	NELAP	5.00		**ND**	mg/L	10	05/28/2025 11:48	R365685
Sulfate	NELAP	10.0		**35.4**	mg/L	10	05/28/2025 11:48	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0567**	mg/L	1	05/29/2025 15:17	239684
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 15:17	239684
Boron	NELAP	0.0200		**0.0671**	mg/L	1	05/29/2025 15:17	239684
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 15:17	239684
Calcium	NELAP	0.100		**72.4**	mg/L	1	05/29/2025 15:17	239684
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:17	239684
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:17	239684
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 15:17	239684
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 15:17	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:20	239684
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:20	239684
Lithium	*	0.0030		**0.0089**	mg/L	5	05/28/2025 16:20	239684
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:20	239684
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 16:20	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/29/2025 15:55	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-020
Client Sample ID: T-6
Matrix: GROUNDWATER
Collection Date: 05/27/2025 12:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**494.70**	ft	1	05/27/2025 12:38	R365853
Depth to water	*	-5.00		**6.47**	ft	1	05/27/2025 12:38	R365853
Depth to water from measuring point	*	0		**8.83**	ft	1	05/27/2025 12:38	R365853
Elevation of groundwater surface	*	0		**529.49**	ft	1	05/27/2025 12:38	R365853
Measuring Point Elevation	*	0		**538.32**	ft	1	05/27/2025 12:38	R365853
Measuring Point Height Above Land Surface	*	0		**2.36**	ft	1	05/27/2025 12:38	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.8**	NTU	1	05/27/2025 12:38	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**60.8**	°F	1	05/27/2025 12:38	R365853
SW-846 9040B								
pH, Field	*	1.00		**7.00**		1	05/27/2025 12:38	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**860**	µmhos/cm @25C	1	05/27/2025 12:38	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	50		**570**	mg/L	2.5	06/03/2025 6:59	R366064
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/28/2025 12:23	R365685
Chloride	NELAP	5.00		**20.8**	mg/L	10	05/28/2025 12:23	R365685
Sulfate	NELAP	10.0		**ND**	mg/L	10	05/28/2025 12:23	R365685
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.279**	mg/L	1	05/29/2025 15:18	239684
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 15:18	239684
Boron	NELAP	0.0200		**0.200**	mg/L	1	05/29/2025 15:18	239684
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 15:18	239684
Calcium	NELAP	0.100		**92.2**	mg/L	1	05/29/2025 15:18	239684
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:18	239684
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 15:18	239684
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 15:18	239684
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 15:18	239684
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:26	239684
Arsenic	NELAP	0.0010		**0.0195**	mg/L	5	05/28/2025 16:26	239684
Lithium	*	0.0030		**0.0138**	mg/L	5	05/28/2025 16:26	239684
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 16:26	239684
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 16:26	239684
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/29/2025 15:57	239734
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-021
Client Sample ID: AW-1
Matrix: GROUNDWATER
Collection Date: 05/22/2025 10:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.79**	ft	1	05/22/2025 10:24	R365853
Depth to water	*	-5.00		**11.02**	ft	1	05/22/2025 10:24	R365853
Depth to water from measuring point	*	0		**13.77**	ft	1	05/22/2025 10:24	R365853
Elevation of groundwater surface	*	0		**541.83**	ft	1	05/22/2025 10:24	R365853
Measuring Point Elevation	*	0		**555.60**	ft	1	05/22/2025 10:24	R365853
Measuring Point Height Above Land Surface	*	0		**2.75**	ft	1	05/22/2025 10:24	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.6**	NTU	1	05/22/2025 10:24	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.4**	°F	1	05/22/2025 10:24	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.96**		1	05/22/2025 10:24	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1480**	µmhos/cm @25C	1	05/22/2025 10:24	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1190**	mg/L	1	05/27/2025 16:01	R365834
Stability in final weights could not be achieved after multiple drying, cooling, and weighing cycles.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/23/2025 14:06	R365491
Chloride	NELAP	5.00		**36.8**	mg/L	10	05/23/2025 14:06	R365491
Sulfate	NELAP	10.0		**388**	mg/L	10	05/23/2025 14:06	R365491
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0790**	mg/L	1	05/29/2025 16:03	239543
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	05/29/2025 16:03	239543
Boron	NELAP	0.0200		**8.75**	mg/L	1	05/29/2025 16:03	239543
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 16:03	239543
Calcium	NELAP	0.100	S	**203**	mg/L	1	05/29/2025 16:03	239543
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 16:03	239543
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 16:03	239543
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/29/2025 16:03	239543
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 16:03	239543
Matrix spike control limits are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:41	239543
Arsenic	NELAP	0.0010		**0.0016**	mg/L	5	05/27/2025 12:41	239543
Lithium	*	0.0030		**0.0101**	mg/L	5	05/27/2025 12:41	239543
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/27/2025 12:41	239543
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/23/2025 14:48	239543
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/23/2025 14:45	239545
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25
Lab ID: 25051158-022
Client Sample ID: G120
Matrix: GROUNDWATER
Collection Date: 05/21/2025 13:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**502.73**	ft	1	05/21/2025 13:58	R365853
Depth to water	*	-5.00		**16.18**	ft	1	05/21/2025 13:58	R365853
Depth to water from measuring point	*	0		**16.18**	ft	1	05/21/2025 13:58	R365853
Elevation of groundwater surface	*	0		**536.92**	ft	1	05/21/2025 13:58	R365853
Measuring Point Elevation	*	0		**553.10**	ft	1	05/21/2025 13:58	R365853
Measuring Point Height Above Land Surface	*	0		**0**	ft	1	05/21/2025 13:58	R365853
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**14**	NTU	1	05/21/2025 13:58	R365853
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**60.7**	°F	1	05/21/2025 13:58	R365853
SW-846 9040B								
pH, Field	*	1.00		**6.57**		1	05/21/2025 13:58	R365853
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1950**	µmhos/cm @25C	1	05/21/2025 13:58	R365853
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	200		**1340**	mg/L	10	05/27/2025 15:59	R365834
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 14:55	R365418
Chloride	NELAP	5.00		**35.5**	mg/L	10	05/22/2025 14:55	R365418
Sulfate	NELAP	10.0		**562**	mg/L	10	05/22/2025 14:55	R365418
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.842**	mg/L	1	05/29/2025 9:00	239494
Beryllium	NELAP	0.0005		**0.0009**	mg/L	1	05/29/2025 9:00	239494
Boron	NELAP	0.0200		**8.02**	mg/L	1	05/29/2025 9:00	239494
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/29/2025 9:00	239494
Calcium	NELAP	0.100	B	**256**	mg/L	1	05/29/2025 9:00	239494
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/29/2025 9:00	239494
Cobalt	NELAP	0.0050		**0.0058**	mg/L	1	05/29/2025 9:00	239494
Lead	NELAP	0.0075		**0.0301**	mg/L	1	05/29/2025 9:00	239494
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	05/29/2025 9:00	239494
Sample result for Ca exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:41	239494
Arsenic	NELAP	0.0010		**0.0114**	mg/L	5	05/27/2025 22:38	239494
Lithium	*	0.0030		**0.0084**	mg/L	5	05/27/2025 22:38	239494
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	05/28/2025 19:41	239494
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	05/28/2025 19:41	239494
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/22/2025 17:51	239492
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317
Radium-228	*	0		**See Attached**	pci/L	1	06/25/2025 0:00	R367317

Receiving Check List

http://www.teklabinc.com/

Client: City Water, Light & Power
Work Order: 25051158
Client Project: Ash Pond Monitoring Wells
Report Date: 27-Jun-25

Carrier: Daniel Crump
Received By: JMD

Completed by: Laura E Henson
On: 21-May-25

Reviewed by: Elizabeth A. Hurley
On: 28-May-25

Pages to follow: Chain of custody 7 Extra pages included 53

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #101358. - EK/lhenson - 5/21/2025 5:22:34 PM

Additional nitric acid (103505) was needed in AP5, AP-10 and G120 upon arrival at the laboratory. - EK/lhenson - 5/21/2025 5:22:40 PM

Cooler #2 = 5.3C, Cooler #3 = 8.3C (LTG#9). EK/LH 5/21/25

Samples were received on 5/22/25 at 15:45 on ice [temp4.5C, 7.1C - LTG#9]. pH# 101358. Additional nitric acid (103505) was needed in AW-1 upon arrival at the laboratory. -JD/ lhenson - 5/22/2025 4:29:35 PM

Samples were received on 5/27/25 at 1535 on ice [16.3C - LTG#5]. pH strip #101358. - JD/amberdilallo - 5/27/2025 4:03:59 PM

Samples were received on 5/28/25 at 13:50 on ice [5.5C - LTG#9]. pH# 101358. Addional nitric acid (103505) was needed in AP-4 upon arrival at the laboratory. - JD/lhenson - 5/28/2025 4:38:37 PM

Print PDF

CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_274

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.9 5.3 °C 8.3
Preserved in: ☒ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES: Add HNO3 (103505) 1 liter bottles for 1 AP5, 2 AP-10, and 2 G120. RC 5/21/25

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

PROJECT NAME/NUMBER: Ash Pond Monitoring Wells
SAMPLE COLLECTOR'S NAME: Daniel Crum

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 001	RW-3	5-21-25 1020	Groundwater	1	2								✔	✔	✔	✔	✔	✔
002	AP-1		Groundwater	1	2								✔	✔	✔	✔	✔	✔
003	AP-2	5-21-25 1333	Groundwater	1	2								✔	✔	✔	✔	✔	✔
004	AP-3	5-21-25 1256	Groundwater	1	2								✔	✔	✔	✔	✔	✔
005	AP-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔
006	AP-5	5/21/25 1031	Groundwater	1	2								✔	✔	✔	✔	✔	✔
007	AP-6	5-21-25 1416	Groundwater	1	2								✔	✔	✔	✔	✔	✔
008	AP-7		Groundwater	1	2								✔	✔	✔	✔	✔	✔
009	AP-8	5-21-25 1112	Groundwater	1	2								✔	✔	✔	✔	✔	✔
010	AP-9		Groundwater	1	2								✔	✔	✔	✔	✔	✔
011	AP-10	5-21-25 1204	Groundwater	1	2								✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
	5-21 / 1605	Emily Kassakoska	5/21/25 @ 1605

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.9/5.3 °C 8.3 9
Preserved in: ☒ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Daniel Crump

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 012	AP-11		Groundwater	1	2								✔	✔	✔	✔	✔	✔
013	AP-12		Groundwater	1	2								✔	✔	✔	✔	✔	✔
014	AP-13		Groundwater	1	2								✔	✔	✔	✔	✔	✔
015	AP-14		Groundwater	1	2								✔	✔	✔	✔	✔	✔
016	T-1		Groundwater	1	2								✔	✔	✔	✔	✔	✔
017	T-2		Groundwater	1	2								✔	✔	✔	✔	✔	✔
018	T-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔
019	T-5		Groundwater	1	2								✔	✔	✔	✔	✔	✔
020	T-6		Groundwater	1	2								✔	✔	✔	✔	✔	✔
* 021	AW-1		Groundwater	1	3								✔	✔	✔	✔	✔	✔
* 022	9120	5/21/25 1358	Groundwater	1	3								✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
[signature]	5-21/1605	Emily Kessakowski	5/21/25 @ 1605

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

7.1

Client: City Water, Light & Power

Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building

City/State/Zip: Springfield IL 62712

Contact: Eric Staley Phone: (217) 757-8610

Email: eric.staley@cwlp.com Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 4.5 °C 9

Preserved in: ☐ LAB ☒ FIELD

FOR LAB USE ONLY

LAB NOTES: PH 101358 98658 Added HNO3 (103505) TE 5/22/25 1/2 -AW-1 SD 5/22/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No

Are these samples known to be hazardous? ☐ Yes ☑ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:

*elevations, pH, conductivity, temperature

**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo

Quarterly monitoring

PROJECT NAME/NUMBER

Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME

RESULTS REQUESTED

☑ Standard ☐ 1-2 Day (100% Surcharge)

☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 001	RW-3		Groundwater	1	2								✔	✔	✔	✔	✔	✔
002	AP-1		Groundwater	1	2								✔	✔	✔	✔	✔	✔
003	AP-2		Groundwater	1	2								✔	✔	✔	✔	✔	✔
004	AP-3		Groundwater	1	2								✔	✔	✔	✔	✔	✔
005	AP-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔
006	AP-5		Groundwater	1	2								✔	✔	✔	✔	✔	✔
007	AP-6		Groundwater	1	2								✔	✔	✔	✔	✔	✔
008	AP-7		Groundwater	1	2								✔	✔	✔	✔	✔	✔
009	AP-8		Groundwater	1	2								✔	✔	✔	✔	✔	✔
010	AP-9		Groundwater	1	2								✔	✔	✔	✔	✔	✔
011	AP-10	~~5-21-25~~	Groundwater	1	2Y								✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
	5-22/1545		5/22/25 1548

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 012	AP-11	5-22-25 1055	Groundwater	1	3								✔	✔	✔	✔	✔	✔
013	AP-12	5-22-25 1130	Groundwater	1	2								✔	✔	✔	✔	✔	✔
014	AP-13	5-22-25 1307	Groundwater	1	2								✔	✔	✔	✔	✔	✔
015	AP-14		Groundwater	1	2								✔	✔	✔	✔	✔	✔
016	T-1	5-22-25 1350	Groundwater	1	2								✔	✔	✔	✔	✔	✔
017	T-2	5-22-25 1219	Groundwater	1	2								✔	✔	✔	✔	✔	✔
018	T-4		Groundwater	1	2								✔	✔	✔	✔	✔	✔
019	T-5		Groundwater	1	2								✔	✔	✔	✔	✔	✔
020	T-6		Groundwater	1	2								✔	✔	✔	✔	✔	✔
** 021	AW-1	5/22/25 1024	Groundwater	1	3								✔	✔	✔	✔	✔	✔
** 022	9120		Groundwater	1	3								✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
DJS	5-22/1545	[signature]	5/22/25 15:45

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 16.3 °C 5
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PH 101358
JD 5/27/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Brett Gillihan

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 001	RW-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
002	AP-1		Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	AP-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	AP-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	AP-4		Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	AP-5		Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	AP-6		Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	AP-7	5-27-25 1157	Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AP-8		Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AP-9	5-27-25 1024	Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	AP-10		Groundwater	1	2Y								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	5-27/1535		5/27/25 15:35

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SC 278

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC 279

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Brett Gillihan

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 012	AP-11		Groundwater	1	~~3~~ 5/15/25								✔	✔	✔	✔	✔	✔
013	AP-12		Groundwater	1	2								✔	✔	✔	✔	✔	✔
014	AP-13		Groundwater	1	2								✔	✔	✔	✔	✔	✔
015	AP-14	5-27-25 1344	Groundwater	1	2								✔	✔	✔	✔	✔	✔
016	T-1		Groundwater	1	2								✔	✔	✔	✔	✔	✔
017	T-2		Groundwater	1	2								✔	✔	✔	✔	✔	✔
018	T-4	5-27-25 1104	Groundwater	1	2								✔	✔	✔	✔	✔	✔
019	T-5	5-27-25 1325	Groundwater	1	2								✔	✔	✔	✔	✔	✔
020	T-6	5-27-25 1238	Groundwater	1	2								✔	✔	✔	✔	✔	✔
021	AW-1		Groundwater	1	3								✓	✓	✓	✓	✓	✓
022	9120		Groundwater	1	3								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	5-27/1535		5/27/25 15:35

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051158

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 5.5 °C 9
Preserved in: [X] LAB [ ] FIELD FOR LAB USE ONLY
LAB NOTES: Added HNO3 (103505) 2/2 AP-4 Liters PH<2 101358 JD 2/28/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25051158 001	RW-3		Groundwater	1	1								✓	✓	✓	✓	✓	✓
002	AP-1	5-28-25 956	Groundwater	1	2								✓	✓	✓	✓	✓	✓
003	AP-2		Groundwater	1	2								✓	✓	✓	✓	✓	✓
004	AP-3		Groundwater	1	2								✓	✓	✓	✓	✓	✓
005	AP-4	5-28-25 1131	Groundwater	1	2								✓	✓	✓	✓	✓	✓
006	AP-5		Groundwater	1	2								✓	✓	✓	✓	✓	✓
007	AP-6		Groundwater	1	2								✓	✓	✓	✓	✓	✓
008	AP-7		Groundwater	1	2								✓	✓	✓	✓	✓	✓
009	AP-8		Groundwater	1	2								✓	✓	✓	✓	✓	✓
010	AP-9		Groundwater	1	2								✓	✓	✓	✓	✓	✓
011	AP-10		Groundwater	1	2								✓	✓	✓	✓	✓	✓

Courier

Relinquished By	Date/Time	Received By	Date/Time
	5-28/1350		5/28/25 1350

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SC 280

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	RW-3
Project Location:	Springfield, IL	**Sample ID:**	001
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.

Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 10:00

Static Water Level: 9.27 feet below TOC

Total Depth: 44.01 feet below TOC

Water Column: 34.74 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 34.74 ft. x 0.022 = 0.76 L x 3 Vol. = 2.28 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:00	0.0	300	purge start time						
10:08	2.4	↓	7.04	649.70	12.60	0.59	-99.00	8.49	
10:11	3.3		7.04	649.10	12.61	0.55	-103.90	6.68	
10:14	4.2		7.04	648.50	12.58	0.51	-108.10	4.91	
10:17	5.1		7.03	649.20	12.59	0.48	-111.30	5.05	
10:20	6.0		7.03	649.80	12.58	0.45	-114.40	5.04	

Sampling Activities

Sampled By: DC Sample Date/Time: 5/21/2025 10:20

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.03 pH 649.80 Spec. Cond. 12.58 Temp

Field Filtered: No Filter Type:

Water Level: 9.27 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/21/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: AP-1
Sample ID: 002
Date (s): 5/28/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/28/2025 9:19
Static Water Level: 9.79 feet below TOC
Total Depth: 31.08 feet below TOC
Water Column: 21.29 feet

Purging Activities

Purged By: JC — Purge Date: 5/28/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 21.29 ft. x 0.022 = 0.47 L x 3 Vol. = 1.41 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear — Odor: Slight — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:20	0.0	222	purge start time						
9:26	1.3	↓	6.57	1,846.80	14.01	6.18	86.00	50.33	
9:29	2.0		6.44	1,922.20	14.03	5.37	88.70	39.69	
9:32	2.7		6.40	1,969.40	14.06	4.80	89.00	36.83	
9:35	3.3		6.39	2,000.20	14.01	4.39	88.60	33.74	
9:38	4.0		6.39	2,046.10	14.01	4.06	88.30	26.01	
9:41	4.7		6.39	2,068.70	14.01	3.81	87.80	23.84	
9:44	5.3		6.40	2,082.70	14.08	3.59	87.30	23.90	
9:47	6.0		6.41	2,091.30	14.05	3.41	86.80	16.86	
9:50	6.7		6.41	2,094.80	14.03	3.26	86.40	13.60	
9:53	7.3		6.42	2,096.20	14.02	3.13	85.90	9.55	
9:56	8.0		6.42	2,095.90	14.02	3.01	85.40	9.71	

Sampling Activities

Sampled By: JC — Sample Date/Time: 5/28/2025 9:56
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.42 pH — 2,095.90 Spec. Cond. — 14.02 Temp
Field Filtered: No — Filter Type:
Water Level: 10.20 feet below TOC — Drawdown: 0.41 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Justin Colp — **Date:** 5/28/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-2
Project Location:	Springfield, IL	**Sample ID:**	003
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.

Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 13:07

Static Water Level: 7.79 feet below TOC

Total Depth: 21.33 feet below TOC

Water Column: 13.54 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 13.54 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:07	0.0	231	purge start time						
13:21	3.2	↓	6.45	1,177.50	13.41	0.38	8.80	70.62	
13:24	3.9		6.44	1,179.20	13.58	0.35	8.70	52.86	
13:27	4.6		6.44	1,184.60	13.87	0.32	8.80	40.66	
13:30	5.3		6.45	1,182.50	13.43	0.30	9.10	31.33	
13:33	6.0		6.45	1,180.90	13.58	0.29	9.20	24.47	

Sampling Activities

Sampled By: DC Sample Date/Time: 5/21/2025 13:33

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.45 pH 1,180.90 Spec. Cond. 13.58 Temp

Field Filtered: No Filter Type:

Water Level: 7.80 feet below TOC Drawdown: 0.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/21/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-3
Project Location:	Springfield, IL	**Sample ID:**	004
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.

Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 12:30

Static Water Level: 7.67 feet below TOC

Total Depth: 20.80 feet below TOC

Water Column: 13.13 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 13.13 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	231	purge start time						
12:44	3.2	↓	6.53	1,119.40	13.56	0.31	-53.20	26.92	
12:47	3.9		6.52	1,118.10	13.50	0.28	-55.50	18.11	
12:50	4.6		6.52	1,123.10	13.61	0.26	-57.30	13.70	
12:53	5.3		6.52	1,126.10	13.47	0.25	-58.50	10.62	
12:56	6.0		6.53	1,126.40	13.25	0.23	-59.30	9.17	

Sampling Activities

Sampled By: DC Sample Date/Time: 5/21/2025 12:56

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.53 pH 1,126.40 Spec. Cond. 13.25 Temp

Field Filtered: No Filter Type:

Water Level: 7.85 feet below TOC Drawdown: 0.18 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/21/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-4
Project Location:	Springfield, IL	**Sample ID:**	005
W.O. Number (s):	25051158	**Date (s):**	5/28/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/28/2025 10:54

Static Water Level: 10.38 feet below TOC

Total Depth: 60.41 feet below TOC

Water Column: 50.03 feet

Purging Activities

Purged By: JC Purge Date: 5/28/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 50.03 ft. x 0.022 = 1.1 L x 3 Vol. = 3.3 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Cloudy Odor: None Color: greyish

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	194	purge start time						
11:04	1.8	↓	6.73	964.00	15.95	4.59	68.80	140.86	
11:07	2.3		6.71	968.70	15.99	4.08	68.80	195.05	
11:10	2.9		6.70	972.90	15.97	3.70	68.40	212.04	
11:13	3.5		6.69	975.00	15.91	3.41	67.70	229.67	
11:16	4.1		6.69	976.10	15.99	3.17	66.70	232.48	
11:19	4.7		6.69	976.70	16.07	2.98	65.40	217.94	
11:22	5.3		6.69	977.50	16.13	2.82	64.00	212.96	
11:25	5.8		6.68	977.90	16.26	2.69	62.30	196.53	
11:28	6.4		6.69	978.90	16.35	2.58	60.60	168.32	
11:31	7.0		6.69	978.70	16.43	2.48	58.70	170.33	

Sampling Activities

Sampled By: JC Sample Date/Time: 5/28/2025 11:31

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.69 pH 978.70 Spec. Cond. 16.43 Temp

Field Filtered: No Filter Type:

Water Level: 10.53 feet below TOC Drawdown: 0.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Justin Colp **Date:** 5/28/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-5
Project Location:	Springfield, IL	**Sample ID:**	006
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 9:43

Static Water Level: 14.41 feet below TOC

Total Depth: 31.27 feet below TOC

Water Column: 16.86 feet

Purging Activities

Purged By: JC — Purge Date: 5/21/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 16.86 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 8.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:47	0.0	182	purge start time						
10:19	5.8	↓	6.65	835.40	12.91	3.23	41.90	1.79	
10:22	6.4		6.65	834.90	12.90	3.15	41.30	1.80	
10:25	6.9		6.66	834.60	12.93	3.08	40.80	2.00	
10:28	7.5		6.66	834.30	12.95	3.01	40.40	2.10	
10:31	8.0		6.67	834.20	12.95	2.95	40.00	2.33	

Sampling Activities

Sampled By: JC — Sample Date/Time: 5/21/2025 10:31

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.67 pH — 834.20 Spec. Cond. — 12.95 Temp

Field Filtered: No — Filter Type:

Water Level: 15.69 feet below TOC — Drawdown: 1.28 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Justin Colp — **Date:** 5/21/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-6
Project Location:	Springfield, IL	**Sample ID:**	007
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.

Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 13:52

Static Water Level: 7.77 feet below TOC

Total Depth: 39.62 feet below TOC

Water Column: 31.85 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 31.85 ft. x 0.022 = 0.7 L x 3 Vol. = 2.1 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:52	0.0	250	purge start time						
14:04	3.0	↓	7.08	648.70	12.84	1.40	62.10	8.84	
14:07	3.8		7.07	648.20	12.75	1.31	60.00	7.25	
14:10	4.5		7.01	648.70	12.78	1.26	61.60	5.84	
14:13	5.3		6.99	648.30	12.69	1.23	61.10	5.62	
14:16	6.0		7.00	648.50	12.62	1.25	60.20	4.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/21/2025 14:16

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.00 pH 648.50 Spec. Cond. 12.62 Temp

Field Filtered: No Filter Type:

Water Level: 7.79 feet below TOC Drawdown: 0.02 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/21/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: AP-7
Sample ID: 008
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 11:27
Static Water Level: 10.64 feet below TOC
Total Depth: 42.52 feet below TOC
Water Column: 31.88 feet

Purging Activities

Purged By: JR — Purge Date: 5/27/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 31.88 ft. x 0.022 = 0.7 L x 3 Vol. = 2.1 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:27	0.0	167	purge start time						
11:44	2.8	↓	7.13	730.50	12.22	0.65	-9.80	7.65	
11:47	3.3		7.12	736.70	12.30	0.60	-24.40	7.03	
11:50	3.8		7.11	746.90	12.37	0.57	-36.40	10.65	
11:53	4.3		7.13	759.20	12.49	0.54	-45.70	6.33	
11:56	4.8		7.14	769.70	12.47	0.51	-52.90	4.56	

Sampling Activities

Sampled By: JR — Sample Date/Time: 5/27/2025 11:57
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH — 769.70 Spec. Cond. — 12.47 Temp
Field Filtered: No — Filter Type:
Water Level: 10.69 feet below TOC — Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan — **Date:** 5/27/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-8
Project Location:	Springfield, IL	**Sample ID:**	009
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.

Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 10:45

Static Water Level: 4.01 feet below TOC

Total Depth: 39.60 feet below TOC

Water Column: 35.59 feet

Purging Activities

Purged By: DC Purge Date: 5/21/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 35.59 ft. x 0.022 = 0.78 L x 3 Vol. = 2.34 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:45	0.0	222	purge start time						
11:00	3.3	↓	6.78	878.60	13.40	1.19	-98.10	85.01	
11:03	4.0		6.78	876.10	13.37	1.08	-99.50	67.14	
11:06	4.7		6.78	876.00	13.43	1.03	-100.70	53.27	
11:09	5.3		6.78	875.20	13.54	1.02	-101.40	48.89	
11:12	6.0		6.78	876.20	13.52	0.96	-102.10	37.12	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/21/2025 11:12

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.78 pH 876.20 Spec. Cond. 13.52 Temp

Field Filtered: No Filter Type:

Water Level: 4.32 feet below TOC Drawdown: 0.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan Date: 5/21/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: AP-9
Sample ID: 010
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 9:31
Static Water Level: 12.49 feet below TOC
Total Depth: 39.60 feet below TOC
Water Column: 27.11 feet

Purging Activities

Purged By: BG Purge Date: 5/27/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 27.11 ft. x 0.022 = 0.6 L x 3 Vol. = 1.8 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:31	0.0	94	purge start time						
10:12	3.9	↓	6.77	982.90	13.57	2.08	265.00	47.03	
10:15	4.2		6.78	975.30	13.76	2.10	262.90	41.45	
10:18	4.4		6.78	973.40	13.70	1.96	258.40	41.67	
10:21	4.7		6.78	966.30	13.72	1.80	250.10	43.68	
10:24	5.0		6.79	963.40	13.68	1.71	239.20	45.24	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/27/2025 10:24
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 6.79 pH 963.40 Spec. Cond. 13.68 Temp
Field Filtered: No Filter Type:
Water Level: 12.62 feet below TOC Drawdown: 0.13 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/27/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-10
Project Location:	Springfield, IL	**Sample ID:**	011
W.O. Number (s):	25051158	**Date (s):**	5/21/2025

Field Team Members

Name: Danny Crump — Affiliation: TekLab, Inc.

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 11:35

Static Water Level: 3.92 feet below TOC

Total Depth: 38.07 feet below TOC

Water Column: 34.15 feet

Purging Activities

Purged By: DC — Purge Date: 5/21/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 34.15 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:35	0.0	207	purge start time						
11:52	3.5	↓	6.62	1,101.10	13.82	0.91	-82.30	55.50	
11:55	4.1		6.62	1,099.50	13.83	0.86	-84.10	87.61	
11:58	4.8		6.62	1,102.00	14.05	0.84	-85.70	179.00	
12:01	5.4		6.63	1,103.20	14.02	0.83	-86.90	162.87	
12:04	6.0		6.63	1,102.80	13.99	0.81	-87.60	136.71	

Sampling Activities

Sampled By: BG — Sample Date/Time: 5/21/2025 12:04

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.63 pH — 1,102.80 Spec. Cond. — 13.99 Temp

Field Filtered: No — Filter Type:

Water Level: 4.21 feet below TOC — Drawdown: 0.29 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan — **Date:** 5/21/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-11
Project Location:	Springfield, IL	**Sample ID:**	012
W.O. Number (s):	25051158	**Date (s):**	5/22/2025

Field Team Members

Name: Danny Crump — Affiliation: TekLab, Inc.

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 10:30

Static Water Level: 12.03 feet below TOC

Total Depth: 22.95 feet below TOC

Water Column: 10.92 feet

Purging Activities

Purged By: DC — Purge Date: 5/22/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 10.92 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:30	0.0	160	purge start time						
10:43	2.1	↓	6.55	1,117.80	13.61	1.51	167.70	22.69	
10:46	2.6		6.54	1,106.60	13.79	1.35	168.40	13.78	
10:49	3.0		6.54	1,110.80	13.51	1.16	167.80	9.56	
10:52	3.5		6.53	1,105.70	13.30	1.13	167.10	9.02	
10:55	4.0		6.53	1,107.80	13.03	1.09	166.10	8.90	

Sampling Activities

Sampled By: BG — Sample Date/Time: 5/22/2025 10:55

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.53 pH — 1,107.80 Spec. Cond. — 13.03 Temp

Field Filtered: No — Filter Type:

Water Level: 12.05 feet below TOC — Drawdown: 0.02 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan — **Date:** 5/22/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-12
Project Location:	Springfield, IL	**Sample ID:**	013
W.O. Number (s):	25051158	**Date (s):**	5/22/2025

Field Team Members

Name: Danny Crump — Affiliation: TekLab, Inc.

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 11:12

Static Water Level: 15.16 feet below TOC

Total Depth: 30.40 feet below TOC

Water Column: 15.24 feet

Purging Activities

Purged By: DC — Purge Date: 5/22/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 15.24 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Cloudy — Odor: None — Color: Lt Orange

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:12	0.0	154	purge start time						
11:25	2.0	↓	6.51	1,328.30	13.10	1.22	110.10	211.77	
11:28	2.5		6.51	1,325.30	12.91	1.11	102.10	174.11	
11:31	2.9		6.51	1,322.60	12.99	1.09	95.20	135.07	
11:34	3.4		6.50	1,323.50	13.32	1.07	88.80	95.93	
11:37	3.8		6.50	1,325.90	13.42	1.05	82.70	98.34	

Sampling Activities

Sampled By: BG — Sample Date/Time: 5/22/2025 11:38

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.50 pH — 1,325.90 Spec. Cond. — 13.42 Temp

Field Filtered: No — Filter Type:

Water Level: 15.26 feet below TOC — Drawdown: 0.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan — **Date:** 5/22/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: AP-13
Sample ID: 014
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ E ☑ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 12:37
Static Water Level: 14.73 feet below TOC
Total Depth: 31.00 feet below TOC
Water Column: 16.27 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.27 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:37	0.0	167	purge start time						
12:55	3.0	↓	6.70	758.80	12.97	1.02	-46.10	22.00	
12:58	3.5		6.69	756.60	12.69	0.99	-46.90	17.69	
13:01	4.0		6.69	755.70	12.62	0.97	-47.60	16.88	
13:04	4.5		6.68	755.30	12.56	0.94	-47.90	12.02	
13:07	5.0		6.68	754.60	12.56	0.93	-48.10	25.44	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 13:07
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.68 pH 754.60 Spec. Cond. 12.56 Temp
Field Filtered: No Filter Type:
Water Level: 14.96 feet below TOC Drawdown: 0.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan Date: 5/22/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-14
Project Location:	Springfield, IL	**Sample ID:**	015
W.O. Number (s):	25051158	**Date (s):**	5/27/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 13:07

Static Water Level: 2.72 feet below TOC

Total Depth: 31.20 feet below TOC

Water Column: 28.48 feet

Purging Activities

Purged By: JC Purge Date: 5/27/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 28.48 ft. x 0.022 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 9.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:06	0.0	237	purge start time						
13:14	1.9	↓	7.16	2,023.70	14.74	5.78	111.10	16.61	
13:17	2.6		7.11	2,023.20	14.71	5.30	110.80	7.27	
13:20	3.3		7.08	2,021.40	14.44	4.94	110.30	5.26	
13:23	4.0		7.06	2,022.40	14.39	4.63	109.60	2.83	
13:26	4.7		7.05	2,023.00	14.34	4.37	108.80	6.82	
13:29	5.4		7.04	2,023.20	14.33	4.15	107.90	5.66	
13:32	6.2		7.03	2,025.90	14.57	3.94	106.90	14.55	
13:35	6.9		7.03	2,026.70	14.56	3.76	105.80	9.22	
13:38	7.6		7.03	2,026.10	14.52	3.59	105.00	3.49	
13:41	8.3		7.03	2,023.50	14.40	3.45	104.30	2.62	
13:44	9.0		7.02	2,021.50	14.34	3.33	103.50	3.23	

Sampling Activities

Sampled By: JC Sample Date/Time: 5/27/2025 13:44

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 7.02 pH 2,021.50 Spec. Cond. 14.34 Temp

Field Filtered: No Filter Type:

Water Level: 3.09 feet below TOC Drawdown: 0.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Justin Colp **Date:** 5/27/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: T-1
Sample ID: 016
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump — Affiliation: TekLab, Inc.
Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F — Wind Direction: ☐ N ☐ S ☐ E ☑ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 13:23
Static Water Level: 10.86 feet below TOC
Total Depth: 22.95 feet below TOC
Water Column: 12.09 feet

Purging Activities

Purged By: DC — Purge Date: 5/22/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.09 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	185	purge start time						
13:38	2.8	↓	6.60	1,281.40	12.17	1.05	31.10	53.11	
13:41	3.3		6.59	1,285.80	12.23	0.99	33.80	40.42	
13:44	3.9		6.59	1,286.30	12.21	0.97	36.40	35.04	
13:47	4.4		6.58	1,285.40	12.26	0.96	39.00	31.18	
13:50	5.0		6.58	1,284.90	12.26	0.98	41.30	24.38	

Sampling Activities

Sampled By: BG — Sample Date/Time: 5/22/2025 13:50
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.58 pH — 1,284.90 Spec. Cond. — 12.26 Temp
Field Filtered: No — Filter Type:
Water Level: 11.25 feet below TOC — Drawdown: 0.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan — **Date:** 5/22/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: T-2
Sample ID: 017
Date (s): 5/22/2025

Field Team Members

Name: Danny Crump Affiliation: TekLab, Inc.
Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☐ S ☐ E ☑ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 11:58
Static Water Level: 23.83 feet below TOC
Total Depth: 34.44 feet below TOC
Water Column: 10.61 feet

Purging Activities

Purged By: DC Purge Date: 5/22/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.61 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:58	0.0	238	purge start time						
12:07	2.1	↓	6.54	1,700.10	12.86	1.85	-31.10	14.04	
12:10	2.9		6.53	1,705.50	13.33	2.37	-37.90	18.37	
12:13	3.6		6.54	1,718.20	13.74	2.71	-43.30	18.19	
12:16	4.3		6.54	1,731.30	13.91	3.00	-47.10	17.42	
12:19	5.0		6.55	1,742.30	13.96	3.03	-49.80	17.28	

Sampling Activities

Sampled By: BG Sample Date/Time: 5/22/2025 12:19
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.55 pH 1,742.30 Spec. Cond. 13.96 Temp
Field Filtered: No Filter Type:
Water Level: 23.98 feet below TOC Drawdown: 0.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan Date: 5/22/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: T-4
Sample ID: 018
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 10:44
Static Water Level: 15.64 feet below TOC
Total Depth: 27.42 feet below TOC
Water Column: 11.78 feet

Purging Activities

Purged By: BG Purge Date: 5/27/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.78 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:44	0.0	250	purge start time						
10:52	2.0	↓	6.68	650.50	13.27	1.64	190.40	21.71	
10:55	2.8		6.65	647.50	13.59	1.72	194.10	26.95	
10:58	3.5		6.63	645.50	13.45	1.70	196.90	23.73	
11:01	4.3		6.63	642.60	13.50	1.63	199.00	26.12	
11:04	5.0		6.63	641.30	13.46	1.58	200.60	22.74	

Sampling Activities

Sampled By: JR Sample Date/Time: 5/27/2025 11:04
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.63 pH 641.30 Spec. Cond. 13.46 Temp
Field Filtered: No Filter Type:
Water Level: 15.80 feet below TOC Drawdown: 0.16 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/27/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: T-5
Sample ID: 019
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 12:59
Static Water Level: 8.57 feet below TOC
Total Depth: 22.34 feet below TOC
Water Column: 13.77 feet

Purging Activities

Purged By: BG — Purge Date: 5/27/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 13.77 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:59	0.0	167	purge start time						
13:11	2.0	↓	6.78	543.10	16.36	1.21	28.70	11.50	
13:14	2.5		6.77	540.30	16.12	1.17	32.60	10.59	
13:17	3.0		6.77	539.10	16.07	1.15	36.50	9.76	
13:20	3.5		6.77	537.20	16.00	1.13	40.10	10.74	
13:23	4.0		6.77	536.50	15.94	1.13	43.80	9.87	

Sampling Activities

Sampled By: JR — Sample Date/Time: 5/27/2025 13:23
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.77 pH — 536.50 Spec. Cond. — 15.94 Temp
Field Filtered: No — Filter Type:
Water Level: 9.14 feet below TOC — Drawdown: 0.57 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan — **Date:** 5/27/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: T-6
Sample ID: 020
Date (s): 5/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/27/2025 12:15
Static Water Level: 8.83 feet below TOC
Total Depth: 43.62 feet below TOC
Water Column: 34.79 feet

Purging Activities

Purged By: JR Purge Date: 5/27/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 34.79 ft. x 0.022 = 0.77 L x 3 Vol. = 2.31 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:15	0.0	217	purge start time						
12:26	2.4	↓	6.99	858.40	16.17	1.46	-87.50	4.90	
12:29	3.0		6.99	862.80	15.83	1.30	-95.50	6.02	
12:32	3.7		6.99	857.20	15.83	1.16	-101.10	8.20	
12:35	4.3		6.99	855.90	15.95	1.19	-104.50	6.31	
12:38	5.0		7.00	859.60	16.00	1.14	-107.10	8.81	

Sampling Activities

Sampled By: JR Sample Date/Time: 5/27/2025 12:38
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.00 pH 859.60 Spec. Cond. 16.00 Temp
Field Filtered: No Filter Type:
Water Level: 9.05 feet below TOC Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44716

Form Completed By: Brett Gillihan **Date:** 5/27/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AW-1
Project Location:	Springfield, IL	**Sample ID:**	021
W.O. Number (s):	25051158	**Date (s):**	5/22/2025

Field Team Members

Name: Payton Yoch — Affiliation: TekLab, Inc.

Name: Justin Colp — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/22/2025 9:50

Static Water Level: 13.77 feet below TOC

Total Depth: 54.81 feet below TOC

Water Column: 41.04 feet

Purging Activities

Purged By: PY — Purge Date: 5/22/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 41.04 ft. x 0.022 = 0.9 L x 3 Vol. = 2.7 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:55	0.0	172	purge start time						
10:12	2.9	↓	6.89	1,482.50	13.66	7.29	70.00	4.06	
10:15	3.4		6.90	1,480.20	13.86	7.16	70.40	4.64	
10:18	4.0		6.92	1,478.90	14.31	7.08	70.70	4.12	
10:21	4.5		6.94	1,478.80	14.50	7.10	71.00	3.38	
10:24	5.0		6.96	1,477.40	14.65	7.19	71.50	3.55	

Sampling Activities

Sampled By: PY — Sample Date/Time: 5/22/2025 10:24

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.96 pH — 1,477.40 Spec. Cond. — 14.65 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 15.72 feet below TOC — Drawdown: 1.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: [signature] — **Date:** 5/22/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25051158
Monitoring Point: G120
Sample ID: 022
Date (s): 5/21/2025

Field Team Members

Name: Payton Yoch — Affiliation: TekLab, Inc.
Name: Justin Colp — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 13:34
Static Water Level: 16.18 feet below TOC
Total Depth: 50.37 feet below TOC
Water Column: 34.19 feet

Purging Activities

Purged By: PY — Purge Date: 5/21/2025
Purge Method: Submersible Pump — Well Diameter: 2"
Purge Volume Calculation (L): 34.19 ft. x 0.022 = 0.75 L x 3 Vol. = 2.25 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: None

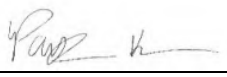
Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:25	0.0	212	purge start time						
13:43	3.8	↓	6.59	1,943.40	15.75	3.59	77.90	15.49	
13:46	4.5		6.58	1,946.40	15.82	3.31	73.60	15.45	
13:49	5.1		6.58	1,947.80	15.70	3.11	68.80	20.89	
13:52	5.7		6.57	1,946.60	15.86	2.95	63.60	18.90	
13:55	6.4		6.57	1,949.50	15.88	2.82	58.10	13.31	
13:58	7.0		6.57	1,948.40	15.95	2.71	52.50	13.58	

Sampling Activities

Sampled By: PY — Sample Date/Time: 5/21/2025 13:58
Sample Method: Low Flow — Sample Equipment: Submersible Pump
Sample Parameters: 6.57 pH — 1,948.40 Spec. Cond. — 15.95 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.30 feet below TOC — Drawdown: 0.12 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:  **Date:** 5/21/2025

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/21/25 9:19
7.0 Buffer	WC250407A	7.00	5/21/25 9:12
10.0 Buffer	WC240625A	10.00	5/21/25 9:25
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/21/25 9:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	5/21/25 9:37
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	5/21/25 9:41	17	7.01	1,447	0.63		
CCV-1-BG	CCV	5/21/25 16:03	17.8	7.04	1,422	0.66		

Comments:

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/22/25 9:40
7.0 Buffer	WC250407A	7.00	5/22/25 9:35
10.0 Buffer	WC240625A	10.00	5/22/25 9:50
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1418	5/22/25 9:53

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.17	5/22/25 9:56
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	5/22/25 10:30	18.1	6.94	1,436	0.45		
CCV-2-BG	CCV	5/22/25 14:19	17.1	7.02	1,439	0.66		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/27/25 8:17
7.0 Buffer	WC25047A	7.00	5/27/25 8:10
10.0 Buffer	WC240625A	10.00	5/27/25 8:26
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1413	5/27/25 8:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	5/27/25 8:43
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-BG	LCS	5/27/25 8:48	16.9	7.05	1,443	0.42		
CCV-3-BG	CCV	5/27/25 14:12	18.6	7.03	1,464	0.54		

Comments:

Field Meter ID: Pine 44716 Technician(s): Brett Gillihan Date: 5/28/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/28/25 8:37
7.0 Buffer	WC25047A	7.00	5/28/25 8:28
10.0 Buffer	WC240625A	10.00	5/28/25 8:43
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1418	5/28/25 8:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.19	5/28/25 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-BG	LCS	5/28/25 8:55	17.1	6.99	1,446	0.35		
CCV-4-BG	CCV	5/28/25 12:08	18.4	7.02	1,425	0.48		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

SC_305

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): justin colp Date: 5/21/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc250102a	4.00	5/21/25 9:19
7.0 Buffer	wc250407a	7.00	5/21/25 9:14
10.0 Buffer	wc240625a	10.00	5/21/25 9:24
LCS/CCV (7.0 Buffer)	wc240918a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/21/25 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.12	5/21/25 9:30
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	5/21/25 9:34	18.9	6.98	1,410	1.08		
CCV-1-JC	CCV	5/21/25 14:37	20	6.96	1,434	1.05		

Comments:

Field Meter ID: Pine 210760 Technician(s): Payton Yoch Date: 5/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/22/25 9:14
7.0 Buffer	WC250407A	7.00	5/22/25 9:09
10.0 Buffer	WC240625A	10.00	5/22/25 9:20
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/22/25 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.07	5/22/25 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-PY	LCS	5/22/25 9:38	17.3	7.05	1,412	1.07		
CCV-2-PY	CCV	5/22/25 14:14	18.5	6.98	1,415	1.08		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25051158
Technician(s): DC, JC, BG, PY

Field Calibration Log(s)
CWLP- 2Q 2025

SC_306

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): justin colp Date: 5/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/27/25 8:56
7.0 Buffer	WC250407A	7.00	5/27/25 8:50
10.0 Buffer	WC240625A	10.00	5/27/25 9:01
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/27/25 9:07

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.21	5/27/25 9:08
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	5/27/25 9:11	19.2	6.96	1,407	1.24		
CCV-3-JC	CCV	5/27/25 14:15	21.9	7.02	1,404	1.31		

Comments:

Field Meter ID: Pine 210760 Technician(s): justin colp Date: 5/28/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	5/28/25 8:47
7.0 Buffer	WC250407A	7.00	5/28/25 8:43
10.0 Buffer	WC240625A	10.00	5/28/25 8:51
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	103743	1412	5/28/25 8:57

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.12	5/28/25 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	5/28/25 9:03	20.5	6.97	1,409	1.16		
CCV-4-JC	CCV	5/28/25 12:20	20.8	6.93	1,400	1.57		

Comments:

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/26/2025 3:10:42 PM

JOB DESCRIPTION

Radium-226 and Radium-228
25051158

JOB NUMBER

160-58259-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

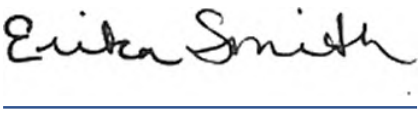
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Job Notes

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 TestAmerica Project Manager.

Authorization



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Authorized for release by
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CASE NARRATIVE

Client: TekLab, Inc

Project: 25051158

Report Number: 160-58259-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

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

Receipt
The samples were received on 5/29/2025 9:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 11.2°C, 18.4°C and 18.6°C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 25052389-001 (160-58258-1), 25051158-001 (160-58259-1), 25051158-002 (160-58259-2), 25051158-003 (160-58259-3), 25051158-004 (160-58259-4), 25051158-005 (160-58259-5), 25051158-006 (160-58259-6), 25051158-007 (160-58259-7), 25051158-008 (160-58259-8), 25051158-009 (160-58259-9), 25051158-010 (160-58259-10), 25051158-011 (160-58259-11), 25051158-012 (160-58259-12), 25051158-013 (160-58259-13), 25051158-014 (160-58259-14), 25051158-015 (160-58259-15), 25051158-016 (160-58259-16), 25051158-017 (160-58259-17), 25051158-018 (160-58259-18), 25051158-019 (160-58259-19), 25051158-020 (160-58259-20), 25051158-021 (160-58259-21) and 25051158-022 (160-58259-22). The container labels list B at the end of the sample IDs, while the COC lists no B at the end of the sample IDs. The sample ID was logged in per the COC.

Method 903.0 - Radium-226 (GFPC)
Samples 25051158-001 (160-58259-1), 25051158-002 (160-58259-2), 25051158-003 (160-58259-3), 25051158-004 (160-58259-4), 25051158-005 (160-58259-5), 25051158-006 (160-58259-6), 25051158-007 (160-58259-7), 25051158-008 (160-58259-8), 25051158-009 (160-58259-9), 25051158-010 (160-58259-10), 25051158-011 (160-58259-11), 25051158-012 (160-58259-12), 25051158-013 (160-58259-13), 25051158-014 (160-58259-14), 25051158-015 (160-58259-15), 25051158-016 (160-58259-16), 25051158-017 (160-58259-17), 25051158-018 (160-58259-18), 25051158-019 (160-58259-19), 25051158-020 (160-58259-20), 25051158-021 (160-58259-21) and 25051158-022 (160-58259-22) were analyzed for Radium-226 (GFPC). The samples were prepared on 6/2/2025 and analyzed on 6/24/2025 and 6/25/2025.

Method 904.0 - Radium-228 (GFPC)
Samples 25051158-001 (160-58259-1), 25051158-002 (160-58259-2), 25051158-003 (160-58259-3), 25051158-004 (160-58259-4), 25051158-005 (160-58259-5), 25051158-006 (160-58259-6), 25051158-007 (160-58259-7), 25051158-008 (160-58259-8), 25051158-009 (160-58259-9), 25051158-010 (160-58259-10), 25051158-011 (160-58259-11), 25051158-012 (160-58259-12), 25051158-013 (160-58259-13), 25051158-014 (160-58259-14), 25051158-015 (160-58259-15), 25051158-016 (160-58259-16), 25051158-017 (160-58259-17), 25051158-018 (160-58259-18), 25051158-019 (160-58259-19), 25051158-020 (160-58259-20), 25051158-021 (160-58259-21) and 25051158-022 (160-58259-22) were analyzed for Radium-228 (GFPC). The samples were prepared on 6/2/2025 and analyzed on 6/24/2025 and 6/25/2025.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 25051158-022 (160-58259-22). Analytical results are reported with the detection limit achieved.

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: client | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 25051158

Contact: Shelly Hennessy | Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT | Billing/PO: 38673 | Phone: 618-344-1004 ex 36

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226	Radium 228
	25051158-001	5/21/25 10:20	HNO3	Groundwater	✔	✔
	25051158-002	5/28/25 9:56	HNO3	Groundwater	✔	✔
	25051158-003	5/21/25 13:33	HNO3	Groundwater	✔	✔
	25051158-004	5/21/25 12:56	HNO3	Groundwater	✔	✔
	25051158-005	5/28/25 11:31	HNO3	Groundwater	✔	✔
	25051158-006	5/21/25 10:31	HNO3	Groundwater	✔	✔
	25051158-007	5/21/25 14:16	HNO3	Groundwater	✔	✔
	25051158-008	5/27/25 11:57	HNO3	Groundwater	✔	✔
	25051158-009	5/21/25 11:12	HNO3	Groundwater	✔	✔
	25051158-010	5/27/25 10:24	HNO3	Groundwater	✔	✔
	25051158-011	5/21/25 12:04	HNO3	Groundwater	✔	✔

160-58259 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	5/21/25 0926	M. Pruett	5/22/25 0926

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: client | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 25051158

Contact: Shelly Hennessy | Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT | Billing/PO: 38673 | Phone: 618-344-1004 ex 36

PLEASE NOTE:

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Ext 5/28/25

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226	Radium 228
	25051158-012	5/22/25 10:55	HNO3	Groundwater	✔	✔
	25051158-013	5/22/25 11:38	HNO3	Groundwater	✔	✔
	25051158-014	5/22/25 13:07	HNO3	Groundwater	✔	✔
	25051158-015	5/27/25 13:44	HNO3	Groundwater	✔	✔
	25051158-016	5/22/25 13:50	HNO3	Groundwater	✔	✔
	25051158-017	5/22/25 12:19	HNO3	Groundwater	✔	✔
	25051158-018	5/27/25 ~~1:04~~ 1104	HNO3	Groundwater	✔	✔
	25051158-019	5/27/25 13:25	HNO3	Groundwater	✔	✔
	25051158-020	5/27/25 12:38	HNO3	Groundwater	✔	✔
	25051158-021	5/22/25 10:24	HNO3	Groundwater	✔	✔
	25051158-022	5/21/25 13:58	HNO3	Groundwater	✔	✔

*Relinquished By	Date/Time	Received By	Date/Time
	5/29/25 0830	M. Pruett	5/29/25 0830
	5/29/25 0926		5/29/25 0926

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SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-58259-1
SDG Number: 25051158

Login Number: 58259
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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?	N/A	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
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	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
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

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

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

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-58259-1	25051158-001	Water	05/21/25 10:20	05/29/25 09:26
160-58259-2	25051158-002	Water	05/28/25 09:56	05/29/25 09:26
160-58259-3	25051158-003	Water	05/21/25 13:33	05/29/25 09:26
160-58259-4	25051158-004	Water	05/21/25 12:56	05/29/25 09:26
160-58259-5	25051158-005	Water	05/28/25 11:31	05/29/25 09:26
160-58259-6	25051158-006	Water	05/21/25 10:31	05/29/25 09:26
160-58259-7	25051158-007	Water	05/21/25 14:16	05/29/25 09:26
160-58259-8	25051158-008	Water	05/27/25 11:57	05/29/25 09:26
160-58259-9	25051158-009	Water	05/21/25 11:12	05/29/25 09:26
160-58259-10	25051158-010	Water	05/27/25 10:24	05/29/25 09:26
160-58259-11	25051158-011	Water	05/21/25 12:04	05/29/25 09:26
160-58259-12	25051158-012	Water	05/22/25 10:55	05/29/25 09:26
160-58259-13	25051158-013	Water	05/22/25 11:38	05/29/25 09:26
160-58259-14	25051158-014	Water	05/22/25 13:07	05/29/25 09:26
160-58259-15	25051158-015	Water	05/27/25 13:44	05/29/25 09:26
160-58259-16	25051158-016	Water	05/22/25 13:50	05/29/25 09:26
160-58259-17	25051158-017	Water	05/22/25 12:19	05/29/25 09:26
160-58259-18	25051158-018	Water	05/27/25 11:04	05/29/25 09:26
160-58259-19	25051158-019	Water	05/27/25 13:25	05/29/25 09:26
160-58259-20	25051158-020	Water	05/27/25 12:38	05/29/25 09:26
160-58259-21	25051158-021	Water	05/22/25 10:24	05/29/25 09:26
160-58259-22	25051158-022	Water	05/21/25 13:58	05/29/25 09:26

Client Sample ID: 25051158-001
Date Collected: 05/21/25 10:20
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.169	U	0.223	0.224	1.00	0.374	pCi/L	06/02/25 08:39	06/24/25 18:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*06/02/25 08:39*	*06/24/25 18:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.859**		0.476	0.483	1.00	0.670	pCi/L	06/02/25 08:45	06/24/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:28*	*1*
Y Carrier	*77.0*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:28*	*1*

Client Sample ID: 25051158-002
Date Collected: 05/28/25 09:56
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.312	U	0.225	0.226	1.00	0.315	pCi/L	06/02/25 08:39	06/24/25 18:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*06/02/25 08:39*	*06/24/25 18:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.602**		0.384	0.388	1.00	0.570	pCi/L	06/02/25 08:45	06/24/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:28*	*1*
Y Carrier	*83.0*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:28*	*1*

Client Sample ID: 25051158-003
Date Collected: 05/21/25 13:33
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.318	U	0.270	0.272	1.00	0.414	pCi/L	06/02/25 08:39	06/24/25 18:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*06/02/25 08:39*	*06/24/25 18:19*	*1*

Client Sample ID: 25051158-003

Date Collected: 05/21/25 13:33
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-3

Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0327	U	0.330	0.330	1.00	0.626	pCi/L	06/02/25 08:45	06/24/25 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:22*	*1*
Y Carrier	*78.9*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:22*	*1*

Client Sample ID: 25051158-004

Date Collected: 05/21/25 12:56
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U	0.164	0.164	1.00	0.340	pCi/L	06/02/25 08:39	06/24/25 18:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*06/02/25 08:39*	*06/24/25 18:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.181	U	0.277	0.277	1.00	0.581	pCi/L	06/02/25 08:45	06/24/25 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:22*	*1*
Y Carrier	*81.1*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:22*	*1*

Client Sample ID: 25051158-005

Date Collected: 05/28/25 11:31
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.731**		0.436	0.441	1.00	0.566	pCi/L	06/02/25 08:39	06/24/25 18:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*06/02/25 08:39*	*06/24/25 18:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.14**		0.645	0.653	1.00	0.913	pCi/L	06/02/25 08:45	06/24/25 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*06/02/25 08:45*	*06/24/25 12:22*	*1*

Client Sample ID: 25051158-005
Date Collected: 05/28/25 11:31
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-5
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	81.1		30 - 110	06/02/25 08:45	06/24/25 12:22	1

Client Sample ID: 25051158-006
Date Collected: 05/21/25 10:31
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.193	0.194	1.00	0.343	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110	06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0430	U	0.305	0.306	1.00	0.590	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110	06/02/25 08:26	06/25/25 12:08	1
Y Carrier	78.5		30 - 110	06/02/25 08:26	06/25/25 12:08	1

Client Sample ID: 25051158-007
Date Collected: 05/21/25 14:16
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.112	U	0.192	0.192	1.00	0.428	pCi/L	06/02/25 08:18	06/25/25 16:28	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110	06/02/25 08:18	06/25/25 16:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.279	U	0.362	0.363	1.00	0.602	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110	06/02/25 08:26	06/25/25 12:08	1
Y Carrier	80.7		30 - 110	06/02/25 08:26	06/25/25 12:08	1

Client Sample ID: 25051158-008
Date Collected: 05/27/25 11:57
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.304	U	0.244	0.245	1.00	0.357	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.886**		0.446	0.453	1.00	0.622	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*
Y Carrier	*78.5*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*

Client Sample ID: 25051158-009
Date Collected: 05/21/25 11:12
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.23**		0.433	0.447	1.00	0.408	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.783**		0.486	0.491	1.00	0.705	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*
Y Carrier	*77.0*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*

Client Sample ID: 25051158-010
Date Collected: 05/27/25 10:24
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324	U	0.247	0.249	1.00	0.357	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Client Sample ID: 25051158-010
Date Collected: 05/27/25 10:24
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-10
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.130	U	0.274	0.274	1.00	0.483	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*
Y Carrier	*81.1*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*

Client Sample ID: 25051158-011
Date Collected: 05/21/25 12:04
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.12**		0.465	0.476	1.00	0.552	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.14**		0.573	0.582	1.00	0.807	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*
Y Carrier	*81.1*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:08*	*1*

Client Sample ID: 25051158-012
Date Collected: 05/22/25 10:55
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.259	U	0.245	0.246	1.00	0.381	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.04**		0.435	0.446	1.00	0.569	pCi/L	06/02/25 08:26	06/25/25 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:06*	*1*

Client Sample ID: 25051158-012
Date Collected: 05/22/25 10:55
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-12
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	77.4		30 - 110	06/02/25 08:26	06/25/25 12:06	1

Client Sample ID: 25051158-013
Date Collected: 05/22/25 11:38
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.216	0.216	1.00	0.375	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110	06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448	U	0.345	0.347	1.00	0.527	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110	06/02/25 08:26	06/25/25 12:09	1
Y Carrier	79.6		30 - 110	06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-014
Date Collected: 05/22/25 13:07
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.322	U	0.236	0.237	1.00	0.329	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110	06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.792**		0.446	0.452	1.00	0.647	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110	06/02/25 08:26	06/25/25 12:09	1
Y Carrier	79.6		30 - 110	06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-015
Date Collected: 05/27/25 13:44
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.200	U	0.201	0.202	1.00	0.312	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.227	U	0.388	0.388	1.00	0.662	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*
Y Carrier	*77.8*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*

Client Sample ID: 25051158-016
Date Collected: 05/22/25 13:50
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.198	U	0.230	0.231	1.00	0.371	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.571	U	0.482	0.485	1.00	0.754	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*
Y Carrier	*77.8*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*

Client Sample ID: 25051158-017
Date Collected: 05/22/25 12:19
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-17
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.166	U	0.188	0.188	1.00	0.302	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Client Sample ID: 25051158-017
Date Collected: 05/22/25 12:19
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-17
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.601		0.367	0.371	1.00	0.530	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*
Y Carrier	*78.1*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*

Client Sample ID: 25051158-018
Date Collected: 05/27/25 11:04
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-18
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.289		0.207	0.209	1.00	0.283	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.186	U	0.346	0.346	1.00	0.596	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*
Y Carrier	*76.6*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*

Client Sample ID: 25051158-019
Date Collected: 05/27/25 13:25
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.173	U	0.213	0.214	1.00	0.351	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.293	U	0.378	0.379	1.00	0.630	pCi/L	06/02/25 08:26	06/25/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:09*	*1*

Client Sample ID: 25051158-019
Date Collected: 05/27/25 13:25
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-19
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC) (Continued)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	80.4		30 - 110	06/02/25 08:26	06/25/25 12:09	1

Client Sample ID: 25051158-020
Date Collected: 05/27/25 12:38
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.114	U	0.356	0.356	1.00	0.650	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110	06/02/25 08:18	06/25/25 16:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.86**		0.654	0.676	1.00	0.781	pCi/L	06/02/25 08:26	06/25/25 12:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110	06/02/25 08:26	06/25/25 12:10	1
Y Carrier	78.5		30 - 110	06/02/25 08:26	06/25/25 12:10	1

Client Sample ID: 25051158-021
Date Collected: 05/22/25 10:24
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0111	U	0.161	0.161	1.00	0.326	pCi/L	06/02/25 08:18	06/25/25 18:32	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	06/02/25 08:18	06/25/25 18:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.508**		0.335	0.338	1.00	0.489	pCi/L	06/02/25 08:26	06/25/25 12:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	06/02/25 08:26	06/25/25 12:10	1
Y Carrier	80.0		30 - 110	06/02/25 08:26	06/25/25 12:10	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Client Sample ID: 25051158-022

Date Collected: 05/21/25 13:58
Date Received: 05/29/25 09:26

Lab Sample ID: 160-58259-22

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.38		0.558	0.572	1.00	0.573	pCi/L	06/02/25 08:18	06/25/25 18:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*06/02/25 08:18*	*06/25/25 18:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.45	G	0.739	0.751	1.00	1.02	pCi/L	06/02/25 08:26	06/25/25 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:10*	*1*
Y Carrier	*80.4*		*30 - 110*	*06/02/25 08:26*	*06/25/25 12:10*	*1*

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-720229/1-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720229

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06815	U	0.230	0.230	1.00	0.425	pCi/L	06/02/25 08:18	06/25/25 16:29	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*06/02/25 08:18*	*06/25/25 16:29*	*1*

Lab Sample ID: LCS 160-720229/2-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720229

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.380		1.27	1.00	0.336	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*88.6*		*30 - 110*

Lab Sample ID: MB 160-720233/1-A
Matrix: Water
Analysis Batch: 724135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720233

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.002253	U	0.189	0.189	1.00	0.378	pCi/L	06/02/25 08:39	06/24/25 17:24	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*06/02/25 08:39*	*06/24/25 17:24*	*1*

Lab Sample ID: LCS 160-720233/2-A
Matrix: Water
Analysis Batch: 724118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720233

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.745		1.20	1.00	0.338	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.8*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-720230/1-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720230

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2063	U	0.298	0.299	1.00	0.612	pCi/L	06/02/25 08:26	06/25/25 12:08	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110	06/02/25 08:26	06/25/25 12:08	1
Y Carrier	80.7		30 - 110	06/02/25 08:26	06/25/25 12:08	1

Lab Sample ID: LCS 160-720230/2-A
Matrix: Water
Analysis Batch: 724268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720230

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	11.15		1.48	1.00	0.541	pCi/L	120	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.6		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: MB 160-720234/1-A
Matrix: Water
Analysis Batch: 724136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720234

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2252	U	0.337	0.338	1.00	0.572	pCi/L	06/02/25 08:45	06/24/25 12:26	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110	06/02/25 08:45	06/24/25 12:26	1
Y Carrier	79.6		30 - 110	06/02/25 08:45	06/24/25 12:26	1

Lab Sample ID: LCS 160-720234/2-A
Matrix: Water
Analysis Batch: 724136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720234

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	10.81		1.45	1.00	0.519	pCi/L	116	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.8		30 - 110
Y Carrier	81.9		30 - 110

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Rad

Prep Batch: 720229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-6	25051158-006	Total/NA	Water	PrecSep-21	
160-58259-7	25051158-007	Total/NA	Water	PrecSep-21	
160-58259-8	25051158-008	Total/NA	Water	PrecSep-21	
160-58259-9	25051158-009	Total/NA	Water	PrecSep-21	
160-58259-10	25051158-010	Total/NA	Water	PrecSep-21	
160-58259-11	25051158-011	Total/NA	Water	PrecSep-21	
160-58259-12	25051158-012	Total/NA	Water	PrecSep-21	
160-58259-13	25051158-013	Total/NA	Water	PrecSep-21	
160-58259-14	25051158-014	Total/NA	Water	PrecSep-21	
160-58259-15	25051158-015	Total/NA	Water	PrecSep-21	
160-58259-16	25051158-016	Total/NA	Water	PrecSep-21	
160-58259-17	25051158-017	Total/NA	Water	PrecSep-21	
160-58259-18	25051158-018	Total/NA	Water	PrecSep-21	
160-58259-19	25051158-019	Total/NA	Water	PrecSep-21	
160-58259-20	25051158-020	Total/NA	Water	PrecSep-21	
160-58259-21	25051158-021	Total/NA	Water	PrecSep-21	
160-58259-22	25051158-022	Total/NA	Water	PrecSep-21	
MB 160-720229/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-720229/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 720230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-6	25051158-006	Total/NA	Water	PrecSep_0	
160-58259-7	25051158-007	Total/NA	Water	PrecSep_0	
160-58259-8	25051158-008	Total/NA	Water	PrecSep_0	
160-58259-9	25051158-009	Total/NA	Water	PrecSep_0	
160-58259-10	25051158-010	Total/NA	Water	PrecSep_0	
160-58259-11	25051158-011	Total/NA	Water	PrecSep_0	
160-58259-12	25051158-012	Total/NA	Water	PrecSep_0	
160-58259-13	25051158-013	Total/NA	Water	PrecSep_0	
160-58259-14	25051158-014	Total/NA	Water	PrecSep_0	
160-58259-15	25051158-015	Total/NA	Water	PrecSep_0	
160-58259-16	25051158-016	Total/NA	Water	PrecSep_0	
160-58259-17	25051158-017	Total/NA	Water	PrecSep_0	
160-58259-18	25051158-018	Total/NA	Water	PrecSep_0	
160-58259-19	25051158-019	Total/NA	Water	PrecSep_0	
160-58259-20	25051158-020	Total/NA	Water	PrecSep_0	
160-58259-21	25051158-021	Total/NA	Water	PrecSep_0	
160-58259-22	25051158-022	Total/NA	Water	PrecSep_0	
MB 160-720230/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-720230/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 720233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-1	25051158-001	Total/NA	Water	PrecSep-21	
160-58259-2	25051158-002	Total/NA	Water	PrecSep-21	
160-58259-3	25051158-003	Total/NA	Water	PrecSep-21	
160-58259-4	25051158-004	Total/NA	Water	PrecSep-21	
160-58259-5	25051158-005	Total/NA	Water	PrecSep-21	
MB 160-720233/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-720233/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Rad

Prep Batch: 720234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-58259-1	25051158-001	Total/NA	Water	PrecSep_0	
160-58259-2	25051158-002	Total/NA	Water	PrecSep_0	
160-58259-3	25051158-003	Total/NA	Water	PrecSep_0	
160-58259-4	25051158-004	Total/NA	Water	PrecSep_0	
160-58259-5	25051158-005	Total/NA	Water	PrecSep_0	
MB 160-720234/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-720234/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-58259-1
SDG: 25051158

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
160-58259-1	25051158-001	74.6
160-58259-2	25051158-002	90.5
160-58259-3	25051158-003	86.8
160-58259-4	25051158-004	83.8
160-58259-5	25051158-005	102
160-58259-6	25051158-006	83.8
160-58259-7	25051158-007	87.8
160-58259-8	25051158-008	83.3
160-58259-9	25051158-009	91.3
160-58259-10	25051158-010	85.1
160-58259-11	25051158-011	92.3
160-58259-12	25051158-012	91.0
160-58259-13	25051158-013	92.3
160-58259-14	25051158-014	86.1
160-58259-15	25051158-015	88.3
160-58259-16	25051158-016	92.5
160-58259-17	25051158-017	91.3
160-58259-18	25051158-018	94.3
160-58259-19	25051158-019	83.8
160-58259-20	25051158-020	82.1
160-58259-21	25051158-021	90.3
160-58259-22	25051158-022	92.5
LCS 160-720229/2-A	Lab Control Sample	88.6
LCS 160-720233/2-A	Lab Control Sample	87.8
MB 160-720229/1-A	Method Blank	87.3
MB 160-720233/1-A	Method Blank	86.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-58259-1	25051158-001	74.6	77.0
160-58259-2	25051158-002	90.5	83.0
160-58259-3	25051158-003	86.8	78.9
160-58259-4	25051158-004	83.8	81.1
160-58259-5	25051158-005	102	81.1
160-58259-6	25051158-006	83.8	78.5
160-58259-7	25051158-007	87.8	80.7
160-58259-8	25051158-008	83.3	78.5
160-58259-9	25051158-009	91.3	77.0
160-58259-10	25051158-010	85.1	81.1
160-58259-11	25051158-011	92.3	81.1
160-58259-12	25051158-012	91.0	77.4
160-58259-13	25051158-013	92.3	79.6
160-58259-14	25051158-014	86.1	79.6

Tracer/Carrier Summary

Client: TekLab, Inc
Job ID: 160-58259-1
Project/Site: Radium-226 and Radium-228
SDG: 25051158

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-58259-15	25051158-015	88.3	77.8
160-58259-16	25051158-016	92.5	77.8
160-58259-17	25051158-017	91.3	78.1
160-58259-18	25051158-018	94.3	76.6
160-58259-19	25051158-019	83.8	80.4
160-58259-20	25051158-020	82.1	78.5
160-58259-21	25051158-021	90.3	80.0
160-58259-22	25051158-022	92.5	80.4
LCS 160-720230/2-A	Lab Control Sample	88.6	82.6
LCS 160-720234/2-A	Lab Control Sample	87.8	81.9
MB 160-720230/1-A	Method Blank	87.3	80.7
MB 160-720234/1-A	Method Blank	86.6	79.6

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

June 23, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Illinois	1004652024-2
Kansas	E-10438
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Landfill Monitoring Wells **WorkOrder:** 25051157

Dear Eric Staley:

TEKLAB, INC received 12 samples on 5/27/2025 3:35:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Landfill Monitoring Wells

Work Order: 25051157
Report Date: 23-Jun-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	31
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25051157

Client Project: Landfill Monitoring Wells **Report Date:** 23-Jun-25

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25051157
Client Project: Landfill Monitoring Wells
Report Date: 23-Jun-25

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Client: City Water, Light & Power
Client Project: Landfill Monitoring Wells

Work Order: 25051157
Report Date: 23-Jun-25

Cooler Receipt Temp: 5.9 °C

An employee of Teklab, Inc. collected the sample(s).

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: City Water, Light & Power
Work Order: 25051157
Client Project: Landfill Monitoring Wells
Report Date: 23-Jun-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10438	NELAP	7/31/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25051157
Client Project: Landfill Monitoring Wells
Report Date: 23-Jun-25
Lab ID: 25051157-003
Client Sample ID: R111
Matrix: GROUNDWATER
Collection Date: 05/21/2025 12:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**498.25**	ft	1	05/21/2025 12:22	R365851
Depth to water	*	-5.00		**25.19**	ft	1	05/21/2025 12:22	R365851
Depth to water from measuring point	*	0		**25.19**	ft	1	05/21/2025 12:22	R365851
Elevation of groundwater surface	*	0		**528.81**	ft	1	05/21/2025 12:22	R365851
Measuring Point Elevation	*	0		**554.00**	ft	1	05/21/2025 12:22	R365851
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.9**	°F	1	05/21/2025 12:22	R365851
SW-846 9040B								
pH, Field	*	1.00		**6.71**		1	05/21/2025 12:22	R365851
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1500**	µmhos/cm @25C	1	05/21/2025 12:22	R365851
EPA 600 350.1 (DISSOLVED)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**2.97**	mg/L	1	05/22/2025 20:38	R365449
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**2.87**	mg/L	1	05/22/2025 20:35	R365449
EPA 600 353.2 R2.0 (DISSOLVED)								
Nitrogen, Nitrate (as N)	NELAP	0.050		**< 0.050**	mg/L	1	05/22/2025 17:00	R365466
EPA 600 353.2 R2.0 (TOTAL)								
Nitrogen, Nitrate (as N)	NELAP	0.050		**< 0.050**	mg/L	1	05/22/2025 17:31	R365466
STANDARD METHODS 2540 C (DISSOLVED) 2020								
Total Dissolved Solids	NELAP	100	H	**770**	mg/L	5	05/29/2025 9:39	R365837
STANDARD METHODS 5210 B 2011, 2016								
Biochemical Oxygen Demand	NELAP	10		**< 10**	mg/L	1	05/21/2025 20:24	239455
STANDARD METHODS 5220 D (TOTAL) 1997, 2011								
Chemical Oxygen Demand	NELAP	50		**< 50**	mg/L	1	05/27/2025 10:13	R365563
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/23/2025 15:27	239530
SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Chloride	NELAP	5.00		**184**	mg/L	10	05/22/2025 10:54	R365418
Sulfate	NELAP	10.0		**30.2**	mg/L	10	05/22/2025 10:54	R365418
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	05/22/2025 9:25	R365418
Chloride	NELAP	5.00		**179**	mg/L	10	05/22/2025 9:25	R365418
Sulfate	NELAP	10.0		**28.5**	mg/L	10	05/22/2025 9:25	R365418
SW-846 9060A								
Total Organic Carbon (TOC)	NELAP	2.0		**2.3**	mg/L	2	05/28/2025 15:58	R365637
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Boron	NELAP	20.0		**3720**	µg/L	1	05/29/2025 14:03	239534
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	05/29/2025 14:03	239534
Chromium	NELAP	4.0		**< 4.0**	µg/L	1	05/29/2025 14:03	239534
Magnesium	NELAP	0.050		**71.0**	mg/L	1	05/29/2025 14:03	239534
Zinc	NELAP	10.0		**< 10.0**	µg/L	1	05/29/2025 14:03	239534
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Aluminum	NELAP	25.0		**44.2**	µg/L	1	06/03/2025 16:24	239883

Client: City Water, Light & Power
Work Order: 25051157
Client Project: Landfill Monitoring Wells
Report Date: 23-Jun-25
Lab ID: 25051157-003
Client Sample ID: R111
Matrix: GROUNDWATER
Collection Date: 05/21/2025 12:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**696**	µg/L	1	05/29/2025 8:27	239494
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	05/29/2025 8:27	239494
Boron	NELAP	20.0		**3980**	µg/L	1	05/29/2025 8:27	239494
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	05/29/2025 8:27	239494
Calcium	NELAP	0.100	B	**166**	mg/L	1	05/29/2025 8:27	239494
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	05/29/2025 8:27	239494
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	05/29/2025 8:27	239494
Copper	NELAP	5.0		**< 5.0**	µg/L	1	05/29/2025 8:27	239494
Iron	NELAP	40.0	B	**12300**	µg/L	1	05/29/2025 8:27	239494
Magnesium	NELAP	0.050	B	**72.5**	mg/L	1	05/30/2025 8:26	239494
Manganese	NELAP	7.0		**112**	µg/L	1	05/29/2025 8:27	239494
Nickel	NELAP	5.0		**< 5.0**	µg/L	1	05/29/2025 8:27	239494
Potassium	NELAP	0.100		**1.94**	mg/L	1	05/29/2025 8:27	239494
Selenium	NELAP	40.0		**< 40.0**	µg/L	1	05/29/2025 8:27	239494
Silver	NELAP	7.0		**< 7.0**	µg/L	1	05/29/2025 8:27	239494
Sodium	NELAP	0.050	B	**36.9**	mg/L	1	05/29/2025 8:27	239494
Vanadium	NELAP	10.0		**< 10.0**	µg/L	1	05/29/2025 8:27	239494
Zinc	NELAP	10.0		**< 10.0**	µg/L	1	05/29/2025 8:27	239494
Sample results for Ca, Mg and Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
Sample result for Fe exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)								
Arsenic	NELAP	1.0		**16.1**	µg/L	5	05/23/2025 10:47	239534
Lead	NELAP	1.0		**< 1.0**	µg/L	5	05/23/2025 10:47	239534
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	05/28/2025 18:04	239494
Arsenic	NELAP	1.0		**21.5**	µg/L	5	05/27/2025 20:24	239494
Lead	NELAP	1.0		**< 1.0**	µg/L	5	05/28/2025 18:04	239494
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	05/28/2025 18:04	239494
SW-846 7470A (DISSOLVED)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	05/22/2025 17:01	239492
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	05/22/2025 16:58	239492

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051157

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

5.3, 8.3

SC_342

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 5.9 °C 9
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PW 101358/98858

5/21/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
Quarter 2
*elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

PROJECT NAME/NUMBER
Landfill Monitoring Wells G1-G2

SAMPLE COLLECTOR'S NAME
Payton Tock

RESULTS REQUESTED
[ ] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl SO4 TDS (D)	Metals (D)**	Cyanide	Nitrate (D)	Ammonia (D)	Metals (T)***	BOD Cl F SO4 (T)	NH3 COD TOC	Nitrate (T)
* 25051157 001	R101		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
002	G110	5/21/25 1123	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
003	R111	5/21/25 1222	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
004	G112		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
005	G113		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
006	G120	5/21/25 1358	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* 007	G121		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
** 008	G122		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
*** 009	AW-1		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
**** 010	AW-2		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* 011	RW-3	5-21-25 1020	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	5-21/1605		5/21/25 1605

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25051157

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_343

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
Quarter 2
*elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

PROJECT NAME/NUMBER
Landfill Monitoring Wells G1-G2

SAMPLE COLLECTOR'S NAME

RESULTS REQUESTED
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED												
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl SO4 TDS (D)	Metals (D)**	Cyanide	Nitrate (D)	Ammonia (D)	Metals (T)***	BOD Cl F SO4 (T)	NH3 COD TOC	Nitrate (T)				
25051157-012	Duplicate		Groundwater	2	2	1	4							✔	✔	✔	✔	✔	✔	✔	✔	✔				
			Groundwater																							
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Relinquished By	Date/Time	Received By	Date/Time
[signature]	5-21/1605	[signature]	5/21/25 1605

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051157

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

7.1

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 4.5 °C 9
Preserved in: ☐ LAB ☒ FIELD FOR LAB USE ONLY
LAB NOTES: PH 101358 98858
JD 5/22/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
Quarter 2
*elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

PROJECT NAME/NUMBER
Landfill Monitoring Wells G1-G2

SAMPLE COLLECTOR'S NAME
Payton York

RESULTS REQUESTED
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other ____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

	Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl SO4 TDS (D)	Metals (D)**	Cyanide	Nitrate (D)	Ammonia (D)	Metals (T)***	BOD Cl F SO4 (T)	NH3 COD TOC	Nitrate (T)
*	25051157-001	R101		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	002	G110		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	003	R111		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	004	G112		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	005	G113		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	006	G120		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
*	007	G121	5/22/25 1143	Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
**	008	G122	5/22/25 1245	Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
***	009	AW-1	5/22/25 1024	Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
****	010	AW-2	5/22/25 1344	Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
*	011	RW-3		Groundwater	2	2	1	4						✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
DL SS	5-22-25 1545		5/22/25 1545

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25051157

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_345

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
Quarter 2
*elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

PROJECT NAME/NUMBER
Landfill Monitoring Wells G1-G2

SAMPLE COLLECTOR'S NAME

RESULTS REQUESTED
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl SO4 TDS (D)	Metals (D)**	Cyanide	Nitrate (D)	Ammonia (D)	Metals (T)***	BOD Cl F SO4 (T)	NH3 COD TOC	Nitrate (T)
25051157 012	Duplicate		Groundwater	2	2	1	4							✔	✔	✔	✔	✔	✔	✔	✔	✔
			Groundwater																			
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Relinquished By	Date/Time	Received By	Date/Time
	5-22/1545		5/22/25 1545

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25051157

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 13.1/16.3°C 5
Preserved in: ☑ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES: Date and time collected for sample R101 from 25051159 workorder. PHV 101358 : 98858

Client Comments: Added NaOH (102642) to G113. EK 5/27/25
Quarter 2
*elevations, pH, conductivity, temperature
**As B Cd Cr Pb Mg Hg Zn
***Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Hg Ni K Se Ag Na Tl V Zn

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

PROJECT NAME/NUMBER
Landfill Monitoring Wells G1-G2

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
☐ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl SO4 TDS (D)	Metals (D)**	Cyanide	Nitrate (D)	Ammonia (D)	Metals (T)***	BOD Cl F SO4 (T)	NH3 COD TOC	Nitrate (T)
* 25051157 001	R101	5-27-25 1046	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
002	G110		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
003	R111		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
004	G112	5-27-25 1241	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
005	G113	5-27-25 1140	Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
006	G120		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
007	G121		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* 008	G122		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* 009	AW-1		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* 010	AW-2		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
* 011	RW-3		Groundwater	2	2	1	4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
[signature]	5-27/1535	Emily Kassakeeks	5/27/25 1535

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SC_346

APPENDIX C-3:

Third Quarter 2025
Laboratory Analytical Report and Field Notes

Field Data Sheet

Project Name:	Landfill Monitoring Wells	**Monitoring Point:**	R111
Project Location:	Springfield, IL	**Sample ID:**	003
W.O. Number (s):	25051157	**Date (s):**	5/21/2025

Field Team Members

Name: Payton Yoch Affiliation: TekLab, Inc.

Name: Justin Colp Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 5/21/2025 11:44

Static Water Level: 25.19 feet below TOC

Total Depth: 55.75 feet below TOC

Water Column: 30.56 feet

Purging Activities

Purged By: PY Purge Date: 5/21/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.56 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear Odor: Moderate Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:44	0.0	132	purge start time						
12:10	3.4	↓	6.70	1,476.10	14.76	2.46	71.30	3.92	
12:13	3.8		6.70	1,480.10	14.74	2.38	68.30	3.20	
12:16	4.2		6.71	1,488.60	14.71	2.31	65.40	2.38	
12:19	4.6		6.71	1,494.20	15.06	2.25	62.20	2.21	
12:22	5.0		6.71	1,501.00	14.93	2.20	59.10	1.99	

Sampling Activities

Sampled By: PY Sample Date/Time: 5/21/2025 12:22

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.71 pH 1,501.00 Spec. Cond. 14.93 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 25.31 feet below TOC Drawdown: 0.12 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Date: 5/21/2025

October 09, 2025

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Illinois	1004652024-2
Kansas	E-10438
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells **WorkOrder:** 25080110

Dear Eric Staley:

TEKLAB, INC received 22 samples on 8/13/2025 2:36:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	29
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25080110

Client Project: Ash Pond Monitoring Wells **Report Date:** 09-Oct-25

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25080110

Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25080110
Report Date: 09-Oct-25

Cooler Receipt Temp: 4.3 °C

An employee of Teklab, Inc. collected the sample(s).

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

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Lenexa, KS 66214
Phone (913) 541-1998
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Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
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Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10438	NELAP	7/31/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2026	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2026	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-001
Client Sample ID: RW-3
Matrix: GROUNDWATER
Collection Date: 08/12/2025 13:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.49**	ft	1	08/12/2025 13:32	R369783
Depth to water	*	-5.00		**7.87**	ft	1	08/12/2025 13:32	R369783
Depth to water from measuring point	*	0		**10.57**	ft	1	08/12/2025 13:32	R369783
Elevation of groundwater surface	*	0		**528.93**	ft	1	08/12/2025 13:32	R369783
Measuring Point Elevation	*	0		**539.50**	ft	1	08/12/2025 13:32	R369783
Measuring Point Height Above Land Surface	*	0		**2.70**	ft	1	08/12/2025 13:32	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**13**	NTU	1	08/12/2025 13:32	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**59.3**	°F	1	08/12/2025 13:32	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.92**		1	08/12/2025 13:32	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**794**	µmhos/cm @25C	1	08/12/2025 13:32	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**440**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 12:51	R369781
Chloride	NELAP	5.00		**26.4**	mg/L	10	08/13/2025 12:51	R369781
Sulfate	NELAP	10.0		**ND**	mg/L	10	08/13/2025 12:51	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.169**	mg/L	1	08/14/2025 18:11	243344
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 18:11	243344
Boron	NELAP	0.0200		**0.160**	mg/L	1	08/14/2025 18:11	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:11	243344
Calcium	NELAP	0.100		**73.9**	mg/L	1	08/14/2025 18:11	243344
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:11	243344
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:11	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:11	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:11	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:36	243344
Arsenic	NELAP	0.0010		**0.103**	mg/L	5	08/15/2025 3:45	243344
Lithium	*	0.0030		**0.0080**	mg/L	5	08/16/2025 0:00	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:36	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 14:36	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 14:55	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-002
Client Sample ID: AP-1
Matrix: GROUNDWATER
Collection Date: 08/12/2025 11:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**504.29**	ft	1	08/12/2025 11:55	R369783
Depth to water	*	-5.00		**8.95**	ft	1	08/12/2025 11:55	R369783
Depth to water from measuring point	*	0		**11.22**	ft	1	08/12/2025 11:55	R369783
Elevation of groundwater surface	*	0		**524.15**	ft	1	08/12/2025 11:55	R369783
Measuring Point Elevation	*	0		**535.37**	ft	1	08/12/2025 11:55	R369783
Measuring Point Height Above Land Surface	*	0		**2.27**	ft	1	08/12/2025 11:55	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**11**	NTU	1	08/12/2025 11:55	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**61.5**	°F	1	08/12/2025 11:55	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.42**		1	08/12/2025 11:55	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2100**	µmhos/cm @25C	1	08/12/2025 11:55	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1870**	mg/L	1	08/14/2025 16:05	R369886
Stable weight could not be achieved after multiple drying, cooling, and weighing. Lowest final weight reported.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 13:26	R369781
Chloride	NELAP	5.00		**51.8**	mg/L	10	08/13/2025 13:26	R369781
Sulfate	NELAP	10.0		**884**	mg/L	10	08/13/2025 13:26	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.276**	mg/L	1	08/14/2025 18:12	243344
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 18:12	243344
Boron	NELAP	0.200		**23.0**	mg/L	10	08/18/2025 13:19	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:12	243344
Calcium	NELAP	0.100		**259**	mg/L	1	08/14/2025 18:12	243344
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:12	243344
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:12	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:12	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:12	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:42	243344
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 3:51	243344
Lithium	*	0.0030		**0.0114**	mg/L	5	08/16/2025 0:06	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:42	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 14:42	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 14:57	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-003
Client Sample ID: AP-2
Matrix: GROUNDWATER
Collection Date: 08/12/2025 12:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.77**	ft	1	08/12/2025 12:26	R369783
Depth to water	*	-5.00		**6.10**	ft	1	08/12/2025 12:26	R369783
Depth to water from measuring point	*	0		**8.60**	ft	1	08/12/2025 12:26	R369783
Elevation of groundwater surface	*	0		**527.50**	ft	1	08/12/2025 12:26	R369783
Measuring Point Elevation	*	0		**536.10**	ft	1	08/12/2025 12:26	R369783
Measuring Point Height Above Land Surface	*	0		**2.50**	ft	1	08/12/2025 12:26	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.4**	NTU	1	08/12/2025 12:26	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**62.0**	°F	1	08/12/2025 12:26	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.30**		1	08/12/2025 12:26	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1610**	µmhos/cm @25C	1	08/12/2025 12:26	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1280**	mg/L	1	08/14/2025 16:05	R369886
Stable weight could not be achieved after multiple drying, cooling, and weighing. Lowest final weight reported.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 13:37	R369781
Chloride	NELAP	5.00		**36.0**	mg/L	10	08/13/2025 13:37	R369781
Sulfate	NELAP	10.0		**422**	mg/L	10	08/13/2025 13:37	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0736**	mg/L	1	08/14/2025 18:12	243344
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 18:12	243344
Boron	NELAP	0.0200		**3.43**	mg/L	1	08/14/2025 18:12	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:12	243344
Calcium	NELAP	0.100		**216**	mg/L	1	08/14/2025 18:12	243344
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:12	243344
Cobalt	NELAP	0.0050		**0.0127**	mg/L	1	08/14/2025 18:12	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:12	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:12	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:49	243344
Arsenic	NELAP	0.0010		**0.0014**	mg/L	5	08/15/2025 3:57	243344
Lithium	*	0.0030		**0.0087**	mg/L	5	08/16/2025 0:12	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:49	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 14:49	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:00	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-004
Client Sample ID: AP-3
Matrix: GROUNDWATER
Collection Date: 08/12/2025 12:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.45**	ft	1	08/12/2025 12:58	R369783
Depth to water	*	-5.00		**6.18**	ft	1	08/12/2025 12:58	R369783
Depth to water from measuring point	*	0		**8.73**	ft	1	08/12/2025 12:58	R369783
Elevation of groundwater surface	*	0		**526.52**	ft	1	08/12/2025 12:58	R369783
Measuring Point Elevation	*	0		**535.25**	ft	1	08/12/2025 12:58	R369783
Measuring Point Height Above Land Surface	*	0		**2.55**	ft	1	08/12/2025 12:58	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**2.9**	NTU	1	08/12/2025 12:58	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**63.2**	°F	1	08/12/2025 12:58	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.36**		1	08/12/2025 12:58	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1620**	µmhos/cm @25C	1	08/12/2025 12:58	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1400**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 13:49	R369781
Chloride	NELAP	5.00		**71.2**	mg/L	10	08/13/2025 13:49	R369781
Sulfate	NELAP	10.0		**609**	mg/L	10	08/13/2025 13:49	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.121**	mg/L	1	08/14/2025 18:13	243344
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 18:13	243344
Boron	NELAP	0.0200		**16.5**	mg/L	1	08/14/2025 18:13	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:13	243344
Calcium	NELAP	0.100		**205**	mg/L	1	08/14/2025 18:13	243344
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:13	243344
Cobalt	NELAP	0.0050		**0.0076**	mg/L	1	08/20/2025 13:09	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:13	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:13	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:55	243344
Arsenic	NELAP	0.0010		**0.0160**	mg/L	5	08/15/2025 4:04	243344
Lithium	*	0.0030		**0.0078**	mg/L	5	08/16/2025 1:03	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 14:55	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 14:55	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:02	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-005
Client Sample ID: AP-4
Matrix: GROUNDWATER
Collection Date: 08/12/2025 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.19**	ft	1	08/12/2025 10:40	R369783
Depth to water	*	-5.00		**7.72**	ft	1	08/12/2025 10:40	R369783
Depth to water from measuring point	*	0		**10.86**	ft	1	08/12/2025 10:40	R369783
Elevation of groundwater surface	*	0		**544.74**	ft	1	08/12/2025 10:40	R369783
Measuring Point Elevation	*	0		**555.60**	ft	1	08/12/2025 10:40	R369783
Measuring Point Height Above Land Surface	*	0		**3.14**	ft	1	08/12/2025 10:40	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**120**	NTU	1	08/12/2025 10:40	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**67.5**	°F	1	08/12/2025 10:40	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.64**		1	08/12/2025 10:40	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1000**	µmhos/cm @25C	1	08/12/2025 10:40	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**574**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 14:36	R369781
Chloride	NELAP	5.00		**12.4**	mg/L	10	08/13/2025 14:36	R369781
Sulfate	NELAP	10.0		**ND**	mg/L	10	08/13/2025 14:36	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.413**	mg/L	1	08/14/2025 18:14	243344
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 18:14	243344
Boron	NELAP	0.0200		**0.0940**	mg/L	1	08/14/2025 18:14	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:14	243344
Calcium	NELAP	0.100		**124**	mg/L	1	08/14/2025 18:14	243344
Chromium	NELAP	0.0050		**0.0051**	mg/L	1	08/14/2025 18:14	243344
Cobalt	NELAP	0.0050		**0.0075**	mg/L	1	08/18/2025 13:20	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:14	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:14	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 15:01	243344
Arsenic	NELAP	0.0010		**0.0248**	mg/L	5	08/15/2025 4:10	243344
Lithium	*	0.0030		**0.0127**	mg/L	5	08/16/2025 1:09	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 15:01	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 15:01	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:04	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-006
Client Sample ID: AP-5
Matrix: GROUNDWATER
Collection Date: 08/12/2025 9:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**552.63**	ft	1	08/12/2025 9:56	R369783
Depth to water	*	-5.00		**13.64**	ft	1	08/12/2025 9:56	R369783
Depth to water from measuring point	*	0		**15.94**	ft	1	08/12/2025 9:56	R369783
Elevation of groundwater surface	*	0		**567.96**	ft	1	08/12/2025 9:56	R369783
Measuring Point Elevation	*	0		**583.90**	ft	1	08/12/2025 9:56	R369783
Measuring Point Height Above Land Surface	*	0		**2.30**	ft	1	08/12/2025 9:56	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**25**	NTU	1	08/12/2025 9:56	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**59.3**	°F	1	08/12/2025 9:56	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.64**		1	08/12/2025 9:56	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**868**	µmhos/cm @25C	1	08/12/2025 9:56	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**568**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 14:48	R369781
Chloride	NELAP	5.00		**9.50**	mg/L	10	08/13/2025 14:48	R369781
Sulfate	NELAP	10.0		**69.1**	mg/L	10	08/13/2025 14:48	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0595**	mg/L	1	08/14/2025 18:18	243344
Beryllium	NELAP	0.0005		**0.0006**	mg/L	1	08/14/2025 18:18	243344
Boron	NELAP	0.0200		**0.0351**	mg/L	1	08/14/2025 18:18	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:18	243344
Calcium	NELAP	0.100		**108**	mg/L	1	08/14/2025 18:18	243344
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:18	243344
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:18	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:18	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:18	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 15:07	243344
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 4:16	243344
Lithium	*	0.0030		**0.0061**	mg/L	5	08/16/2025 1:15	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 15:07	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 15:07	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:07	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-007
Client Sample ID: AP-6
Matrix: GROUNDWATER
Collection Date: 08/12/2025 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**498.20**	ft	1	08/12/2025 11:20	R369783
Depth to water	*	-5.00		**5.71**	ft	1	08/12/2025 11:20	R369783
Depth to water from measuring point	*	0		**8.13**	ft	1	08/12/2025 11:20	R369783
Elevation of groundwater surface	*	0		**529.69**	ft	1	08/12/2025 11:20	R369783
Measuring Point Elevation	*	0		**537.82**	ft	1	08/12/2025 11:20	R369783
Measuring Point Height Above Land Surface	*	0		**2.42**	ft	1	08/12/2025 11:20	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**7.1**	NTU	1	08/12/2025 11:20	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**59.7**	°F	1	08/12/2025 11:20	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.89**		1	08/12/2025 11:20	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**819**	µmhos/cm @25C	1	08/12/2025 11:20	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**482**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**0.53**	mg/L	10	08/13/2025 14:59	R369781
Chloride	NELAP	5.00		**37.5**	mg/L	10	08/13/2025 14:59	R369781
Sulfate	NELAP	10.0		**ND**	mg/L	10	08/13/2025 14:59	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.168**	mg/L	1	08/14/2025 18:19	243344
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 18:19	243344
Boron	NELAP	0.0200		**0.278**	mg/L	1	08/14/2025 18:19	243344
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 18:19	243344
Calcium	NELAP	0.100		**67.3**	mg/L	1	08/14/2025 18:19	243344
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:19	243344
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 18:19	243344
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 18:19	243344
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 18:19	243344
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 15:39	243344
Arsenic	NELAP	0.0010		**0.0068**	mg/L	5	08/15/2025 5:07	243344
Lithium	*	0.0030		**0.0092**	mg/L	5	08/16/2025 1:22	243344
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 15:39	243344
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 15:39	243344
Sample result(s) for Li exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:09	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-008
Client Sample ID: AP-7
Matrix: GROUNDWATER
Collection Date: 08/13/2025 9:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**496.50**	ft	1	08/13/2025 10:07	R369783
Depth to water	*	-5.00		**9.05**	ft	1	08/13/2025 10:07	R369783
Depth to water from measuring point	*	0		**11.71**	ft	1	08/13/2025 10:07	R369783
Elevation of groundwater surface	*	0		**527.31**	ft	1	08/13/2025 10:07	R369783
Measuring Point Elevation	*	0		**539.02**	ft	1	08/13/2025 10:07	R369783
Measuring Point Height Above Land Surface	*	0		**2.66**	ft	1	08/13/2025 10:07	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**98**	NTU	1	08/13/2025 10:07	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**60.2**	°F	1	08/13/2025 10:07	R369783
SW-846 9040B								
pH, Field	*	1.00		**7.12**		1	08/13/2025 10:07	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**908**	µmhos/cm @25C	1	08/13/2025 10:07	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**514**	mg/L	1	08/15/2025 13:31	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 15:41	R369837
Chloride	NELAP	5.00		**69.8**	mg/L	10	08/14/2025 15:41	R369837
Sulfate	NELAP	10.0		**ND**	mg/L	10	08/14/2025 15:41	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.143**	mg/L	1	08/19/2025 15:18	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:18	243426
Boron	NELAP	0.0200		**0.390**	mg/L	1	08/19/2025 15:18	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:18	243426
Calcium	NELAP	0.100	S	**60.9**	mg/L	1	08/19/2025 15:18	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:18	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:18	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:18	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:18	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
Matrix spike control limits for Ca are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 16:02	243426
Arsenic	NELAP	0.0010		**0.0289**	mg/L	5	08/19/2025 17:37	243563
Lithium	*	0.0030		**0.0091**	mg/L	5	08/15/2025 12:27	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 12:27	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 12:27	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:12	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-009
Client Sample ID: AP-8
Matrix: GROUNDWATER
Collection Date: 08/13/2025 12:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**497.60**	ft	1	08/13/2025 12:14	R369783
Depth to water	*	-5.00		**3.06**	ft	1	08/13/2025 12:14	R369783
Depth to water from measuring point	*	0		**5.96**	ft	1	08/13/2025 12:14	R369783
Elevation of groundwater surface	*	0		**531.24**	ft	1	08/13/2025 12:14	R369783
Measuring Point Elevation	*	0		**537.20**	ft	1	08/13/2025 12:14	R369783
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	08/13/2025 12:14	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**21**	NTU	1	08/13/2025 12:14	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**63.7**	°F	1	08/13/2025 12:14	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.71**		1	08/13/2025 12:14	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1070**	µmhos/cm @25C	1	08/13/2025 12:14	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**580**	mg/L	1	08/15/2025 13:41	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 16:16	R369837
Chloride	NELAP	5.00		**23.3**	mg/L	10	08/14/2025 16:16	R369837
Sulfate	NELAP	10.0		**ND**	mg/L	10	08/14/2025 16:16	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.394**	mg/L	1	08/19/2025 15:23	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:23	243426
Boron	NELAP	0.0200		**0.0840**	mg/L	1	08/19/2025 15:23	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:23	243426
Calcium	NELAP	0.100		**102**	mg/L	1	08/19/2025 15:23	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:23	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:23	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:23	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:23	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 15:45	243426
Arsenic	NELAP	0.0010		**0.0389**	mg/L	5	08/19/2025 17:26	243563
Lithium	*	0.0030		**0.0066**	mg/L	5	08/15/2025 13:18	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:18	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:18	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:15	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-010
Client Sample ID: AP-9
Matrix: GROUNDWATER
Collection Date: 08/13/2025 10:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.70**	ft	1	08/13/2025 10:31	R369783
Depth to water	*	-5.00		**10.54**	ft	1	08/13/2025 10:31	R369783
Depth to water from measuring point	*	0		**13.64**	ft	1	08/13/2025 10:31	R369783
Elevation of groundwater surface	*	0		**526.66**	ft	1	08/13/2025 10:31	R369783
Measuring Point Elevation	*	0		**540.30**	ft	1	08/13/2025 10:31	R369783
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	08/13/2025 10:31	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**18**	NTU	1	08/13/2025 10:31	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**61.1**	°F	1	08/13/2025 10:31	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.57**		1	08/13/2025 10:31	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1150**	µmhos/cm @25C	1	08/13/2025 10:31	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**638**	mg/L	1	08/15/2025 13:41	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 19:00	R369837
Chloride	NELAP	5.00		**24.4**	mg/L	10	08/14/2025 19:00	R369837
Sulfate	NELAP	10.0		**15.9**	mg/L	10	08/14/2025 19:00	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.492**	mg/L	1	08/19/2025 15:24	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:24	243426
Boron	NELAP	0.0200		**0.0990**	mg/L	1	08/19/2025 15:24	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:24	243426
Calcium	NELAP	0.100		**112**	mg/L	1	08/19/2025 15:24	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:24	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:24	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:24	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:24	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 15:51	243426
Arsenic	NELAP	0.0010		**0.0013**	mg/L	5	08/19/2025 17:32	243563
Lithium	*	0.0030		**0.0057**	mg/L	5	08/15/2025 13:23	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:23	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:23	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:22	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-011
Client Sample ID: AP-10
Matrix: GROUNDWATER
Collection Date: 08/13/2025 11:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**499.43**	ft	1	08/13/2025 11:32	R369783
Depth to water	*	-5.00		**1.79**	ft	1	08/13/2025 11:32	R369783
Depth to water from measuring point	*	0		**4.89**	ft	1	08/13/2025 11:32	R369783
Elevation of groundwater surface	*	0		**532.61**	ft	1	08/13/2025 11:32	R369783
Measuring Point Elevation	*	0		**537.50**	ft	1	08/13/2025 11:32	R369783
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	08/13/2025 11:32	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**12**	NTU	1	08/13/2025 11:32	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**63.6**	°F	1	08/13/2025 11:32	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.52**		1	08/13/2025 11:32	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1390**	µmhos/cm @25C	1	08/13/2025 11:32	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**834**	mg/L	1	08/15/2025 13:41	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 16:28	R369837
Chloride	NELAP	5.00		**25.4**	mg/L	10	08/14/2025 16:28	R369837
Sulfate	NELAP	10.0		**96.7**	mg/L	10	08/14/2025 16:28	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.675**	mg/L	1	08/19/2025 15:26	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:26	243426
Boron	NELAP	0.0200		**4.25**	mg/L	1	08/19/2025 15:26	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:26	243426
Calcium	NELAP	0.100		**158**	mg/L	1	08/19/2025 15:26	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:26	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:26	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:26	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:26	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 15:56	243426
Arsenic	NELAP	0.0010		**0.0012**	mg/L	5	08/20/2025 8:27	243563
Lithium	*	0.0030		**0.0092**	mg/L	5	08/15/2025 13:29	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:29	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:29	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:24	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-012
Client Sample ID: AP-11
Matrix: GROUNDWATER
Collection Date: 08/12/2025 10:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.15**	ft	1	08/12/2025 10:44	R369783
Depth to water	*	-5.00		**12.89**	ft	1	08/12/2025 10:44	R369783
Depth to water from measuring point	*	0		**15.69**	ft	1	08/12/2025 10:44	R369783
Elevation of groundwater surface	*	0		**522.41**	ft	1	08/12/2025 10:44	R369783
Measuring Point Elevation	*	0		**538.10**	ft	1	08/12/2025 10:44	R369783
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	08/12/2025 10:44	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**13**	NTU	1	08/12/2025 10:44	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**77.7**	°F	1	08/12/2025 10:44	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.34**		1	08/12/2025 10:44	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1010**	µmhos/cm @25C	1	08/12/2025 10:44	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**756**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 15:11	R369781
Chloride	NELAP	5.00		**127**	mg/L	10	08/13/2025 15:11	R369781
Sulfate	NELAP	10.0		**85.7**	mg/L	10	08/13/2025 15:11	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.152**	mg/L	1	08/14/2025 17:25	243361
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 17:25	243361
Boron	NELAP	0.0200		**0.228**	mg/L	1	08/14/2025 17:25	243361
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 17:25	243361
Calcium	NELAP	0.100		**153**	mg/L	1	08/14/2025 17:25	243361
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:25	243361
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:25	243361
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 17:25	243361
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 17:25	243361
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:37	243361
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 1:45	243361
Lithium	*	0.0030		**0.0057**	mg/L	5	08/18/2025 12:37	243361
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:37	243361
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 12:37	243361
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:16	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-013
Client Sample ID: AP-12
Matrix: GROUNDWATER
Collection Date: 08/12/2025 11:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**510.30**	ft	1	08/12/2025 11:27	R369783
Depth to water	*	-5.00		**15.13**	ft	1	08/12/2025 11:27	R369783
Depth to water from measuring point	*	0		**18.03**	ft	1	08/12/2025 11:27	R369783
Elevation of groundwater surface	*	0		**522.67**	ft	1	08/12/2025 11:27	R369783
Measuring Point Elevation	*	0		**540.70**	ft	1	08/12/2025 11:27	R369783
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	08/12/2025 11:27	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**82**	NTU	1	08/12/2025 11:27	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**73.9**	°F	1	08/12/2025 11:27	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.38**		1	08/12/2025 11:27	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**951**	µmhos/cm @25C	1	08/12/2025 11:27	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1380**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 15:23	R369781
Chloride	NELAP	5.00		**119**	mg/L	10	08/13/2025 15:23	R369781
Sulfate	NELAP	10.0		**488**	mg/L	10	08/13/2025 15:23	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0561**	mg/L	1	08/14/2025 17:40	243361
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 17:40	243361
Boron	NELAP	0.0200		**0.0255**	mg/L	1	08/14/2025 17:40	243361
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 17:40	243361
Calcium	NELAP	0.100		**226**	mg/L	1	08/14/2025 17:40	243361
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:40	243361
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/15/2025 18:15	243361
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 17:40	243361
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 17:40	243361
Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:43	243361
Arsenic	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:43	243361
Lithium	*	0.0030		**0.0060**	mg/L	5	08/18/2025 12:43	243361
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:43	243361
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 12:43	243361
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:18	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-014
Client Sample ID: AP-13
Matrix: GROUNDWATER
Collection Date: 08/13/2025 9:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**511.00**	ft	1	08/13/2025 9:53	R369783
Depth to water	*	-5.00		**15.25**	ft	1	08/13/2025 9:53	R369783
Depth to water from measuring point	*	0		**18.65**	ft	1	08/13/2025 9:53	R369783
Elevation of groundwater surface	*	0		**523.35**	ft	1	08/13/2025 9:53	R369783
Measuring Point Elevation	*	0		**542.00**	ft	1	08/13/2025 9:53	R369783
Measuring Point Height Above Land Surface	*	0		**3.40**	ft	1	08/13/2025 9:53	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**37**	NTU	1	08/13/2025 9:53	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**74.3**	°F	1	08/13/2025 9:53	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.43**		1	08/13/2025 9:53	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**763**	µmhos/cm @25C	1	08/13/2025 9:53	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**630**	mg/L	1	08/15/2025 13:42	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 16:40	R369837
Chloride	NELAP	5.00		**29.4**	mg/L	10	08/14/2025 16:40	R369837
Sulfate	NELAP	10.0		**104**	mg/L	10	08/14/2025 16:40	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.142**	mg/L	1	08/19/2025 15:35	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:35	243426
Boron	NELAP	0.0200		**0.0566**	mg/L	1	08/19/2025 15:35	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:35	243426
Calcium	NELAP	0.100		**109**	mg/L	1	08/19/2025 15:35	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:35	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:35	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:35	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:35	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 16:52	243426
Arsenic	NELAP	0.0010		**0.0020**	mg/L	5	08/19/2025 18:29	243563
Lithium	*	0.0030		**0.0110**	mg/L	5	08/15/2025 13:34	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:34	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:34	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:26	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-015
Client Sample ID: AP-14
Matrix: GROUNDWATER
Collection Date: 08/13/2025 10:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**508.40**	ft	1	08/13/2025 10:54	R369783
Depth to water	*	-5.00		**0.42**	ft	1	08/13/2025 10:54	R369783
Depth to water from measuring point	*	0		**3.22**	ft	1	08/13/2025 10:54	R369783
Elevation of groundwater surface	*	0		**536.38**	ft	1	08/13/2025 10:54	R369783
Measuring Point Elevation	*	0		**539.60**	ft	1	08/13/2025 10:54	R369783
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	08/13/2025 10:54	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**12**	NTU	1	08/13/2025 10:54	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**84.7**	°F	1	08/13/2025 10:54	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.71**		1	08/13/2025 10:54	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1120**	µmhos/cm @25C	1	08/13/2025 10:54	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1940**	mg/L	1	08/15/2025 13:42	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 16:51	R369837
Chloride	NELAP	5.00		**105**	mg/L	10	08/14/2025 16:51	R369837
Sulfate	NELAP	10.0		**926**	mg/L	10	08/14/2025 16:51	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.0463**	mg/L	1	08/19/2025 15:37	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:37	243426
Boron	NELAP	0.200		**21.9**	mg/L	10	08/20/2025 12:39	243563
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:37	243426
Calcium	NELAP	0.100		**277**	mg/L	1	08/19/2025 15:37	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:37	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:37	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:37	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:37	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 16:58	243426
Arsenic	NELAP	0.0010		**0.0011**	mg/L	5	08/20/2025 8:32	243563
Lithium	*	0.0030		**0.0068**	mg/L	5	08/15/2025 13:40	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:40	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:40	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:29	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/18/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-016
Client Sample ID: T-1
Matrix: GROUNDWATER
Collection Date: 08/12/2025 13:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**512.70**	ft	1	08/12/2025 13:16	R369783
Depth to water	*	-5.00		**14.30**	ft	1	08/12/2025 13:16	R369783
Depth to water from measuring point	*	0		**14.63**	ft	1	08/12/2025 13:16	R369783
Elevation of groundwater surface	*	0		**521.02**	ft	1	08/12/2025 13:16	R369783
Measuring Point Elevation	*	0		**535.65**	ft	1	08/12/2025 13:16	R369783
Measuring Point Height Above Land Surface	*	0		**0.33**	ft	1	08/12/2025 13:16	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**36**	NTU	1	08/12/2025 13:16	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**75.6**	°F	1	08/12/2025 13:16	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.46**		1	08/12/2025 13:16	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1070**	µmhos/cm @25C	1	08/12/2025 13:16	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**950**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 15:34	R369781
Chloride	NELAP	5.00		**233**	mg/L	10	08/13/2025 15:34	R369781
Sulfate	NELAP	10.0		**151**	mg/L	10	08/13/2025 15:34	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.0747**	mg/L	1	08/14/2025 17:41	243361
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 17:41	243361
Boron	NELAP	0.0200		**0.173**	mg/L	1	08/14/2025 17:41	243361
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 17:41	243361
Calcium	NELAP	0.100		**172**	mg/L	1	08/14/2025 17:41	243361
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:41	243361
Cobalt	NELAP	0.0050		**0.0063**	mg/L	1	08/14/2025 17:41	243361
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 17:41	243361
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 17:41	243361
Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 1:07	243361
Arsenic	NELAP	0.0010		**0.0016**	mg/L	5	08/18/2025 12:49	243361
Lithium	*	0.0030		**0.0177**	mg/L	5	08/18/2025 12:49	243361
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:49	243361
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 12:49	243361
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:26	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-017
Client Sample ID: T-2
Matrix: GROUNDWATER
Collection Date: 08/12/2025 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.18**	ft	1	08/12/2025 12:20	R369783
Depth to water	*	-5.00		**23.32**	ft	1	08/12/2025 12:20	R369783
Depth to water from measuring point	*	0		**25.72**	ft	1	08/12/2025 12:20	R369783
Elevation of groundwater surface	*	0		**523.90**	ft	1	08/12/2025 12:20	R369783
Measuring Point Elevation	*	0		**549.62**	ft	1	08/12/2025 12:20	R369783
Measuring Point Height Above Land Surface	*	0		**2.40**	ft	1	08/12/2025 12:20	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.4**	NTU	1	08/12/2025 12:20	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**72.7**	°F	1	08/12/2025 12:20	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.51**		1	08/12/2025 12:20	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**905**	µmhos/cm @25C	1	08/12/2025 12:20	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1490**	mg/L	1	08/14/2025 16:05	R369886
Stable weight could not be achieved after multiple drying, cooling, and weighing. Lowest final weight reported.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 15:46	R369781
Chloride	NELAP	5.00		**509**	mg/L	10	08/13/2025 15:46	R369781
Sulfate	NELAP	10.0		**136**	mg/L	10	08/13/2025 15:46	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.232**	mg/L	1	08/14/2025 17:42	243361
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 17:42	243361
Boron	NELAP	0.0200		**0.0504**	mg/L	1	08/14/2025 17:42	243361
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 17:42	243361
Calcium	NELAP	0.100		**231**	mg/L	1	08/14/2025 17:42	243361
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:42	243361
Cobalt	NELAP	0.0050		**0.0062**	mg/L	1	08/14/2025 17:42	243361
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 17:42	243361
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 17:42	243361
Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:56	243361
Arsenic	NELAP	0.0010		**0.0068**	mg/L	5	08/15/2025 1:39	243361
Lithium	*	0.0030		**0.0342**	mg/L	5	08/18/2025 12:56	243361
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 12:56	243361
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 12:56	243361
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:28	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-018
Client Sample ID: T-4
Matrix: GROUNDWATER
Collection Date: 08/13/2025 11:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**521.52**	ft	1	08/13/2025 11:54	R369783
Depth to water	*	-5.00		**15.87**	ft	1	08/13/2025 11:54	R369783
Depth to water from measuring point	*	0		**18.25**	ft	1	08/13/2025 11:54	R369783
Elevation of groundwater surface	*	0		**530.69**	ft	1	08/13/2025 11:54	R369783
Measuring Point Elevation	*	0		**548.94**	ft	1	08/13/2025 11:54	R369783
Measuring Point Height Above Land Surface	*	0		**2.38**	ft	1	08/13/2025 11:54	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**32**	NTU	1	08/13/2025 11:54	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**63.4**	°F	1	08/13/2025 11:54	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.60**		1	08/13/2025 11:54	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**607**	µmhos/cm @25C	1	08/13/2025 11:54	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**370**	mg/L	1	08/15/2025 13:42	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 17:03	R369837
Chloride	NELAP	5.00		**ND**	mg/L	10	08/14/2025 17:03	R369837
Sulfate	NELAP	10.0		**76.7**	mg/L	10	08/14/2025 17:03	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.0456**	mg/L	1	08/19/2025 15:38	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:38	243426
Boron	NELAP	0.0200		**0.0504**	mg/L	1	08/19/2025 15:38	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:38	243426
Calcium	NELAP	0.100		**61.9**	mg/L	1	08/19/2025 15:38	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:38	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:38	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:38	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:38	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 17:03	243426
Arsenic	NELAP	0.0010		**0.0038**	mg/L	5	08/19/2025 18:40	243563
Lithium	*	0.0030		**0.0130**	mg/L	5	08/15/2025 13:45	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:45	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:45	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:31	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-019
Client Sample ID: T-5
Matrix: GROUNDWATER
Collection Date: 08/13/2025 11:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**518.32**	ft	1	08/13/2025 11:19	R369783
Depth to water	*	-5.00		**7.81**	ft	1	08/13/2025 11:19	R369783
Depth to water from measuring point	*	0		**10.32**	ft	1	08/13/2025 11:19	R369783
Elevation of groundwater surface	*	0		**530.34**	ft	1	08/13/2025 11:19	R369783
Measuring Point Elevation	*	0		**540.66**	ft	1	08/13/2025 11:19	R369783
Measuring Point Height Above Land Surface	*	0		**2.51**	ft	1	08/13/2025 11:19	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**13**	NTU	1	08/13/2025 11:19	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**65.9**	°F	1	08/13/2025 11:19	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.80**		1	08/13/2025 11:19	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**616**	µmhos/cm @25C	1	08/13/2025 11:19	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**392**	mg/L	1	08/15/2025 13:52	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 17:15	R369837
Chloride	NELAP	5.00		**ND**	mg/L	10	08/14/2025 17:15	R369837
Sulfate	NELAP	10.0		**31.3**	mg/L	10	08/14/2025 17:15	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.0658**	mg/L	1	08/19/2025 15:40	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:40	243426
Boron	NELAP	0.0200		**0.0917**	mg/L	1	08/19/2025 15:40	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:40	243426
Calcium	NELAP	0.100		**73.3**	mg/L	1	08/19/2025 15:40	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:40	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:40	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:40	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:40	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 17:09	243426
Arsenic	NELAP	0.0010		**0.0014**	mg/L	5	08/19/2025 18:46	243563
Lithium	*	0.0030		**0.0103**	mg/L	5	08/15/2025 13:51	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:51	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:51	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:33	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-020
Client Sample ID: T-6
Matrix: GROUNDWATER
Collection Date: 08/13/2025 10:42

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**494.70**	ft	1	08/13/2025 10:42	R369783
Depth to water	*	-5.00		**5.79**	ft	1	08/13/2025 10:42	R369783
Depth to water from measuring point	*	0		**8.15**	ft	1	08/13/2025 10:42	R369783
Elevation of groundwater surface	*	0		**530.17**	ft	1	08/13/2025 10:42	R369783
Measuring Point Elevation	*	0		**538.32**	ft	1	08/13/2025 10:42	R369783
Measuring Point Height Above Land Surface	*	0		**2.36**	ft	1	08/13/2025 10:42	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**37**	NTU	1	08/13/2025 10:42	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**73.0**	°F	1	08/13/2025 10:42	R369783
SW-846 9040B								
pH, Field	*	1.00		**7.16**		1	08/13/2025 10:42	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**760**	µmhos/cm @25C	1	08/13/2025 10:42	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**412**	mg/L	1	08/15/2025 13:52	R369952
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/14/2025 18:01	R369837
Chloride	NELAP	5.00		**11.8**	mg/L	10	08/14/2025 18:01	R369837
Sulfate	NELAP	10.0		**15.5**	mg/L	10	08/14/2025 18:01	R369837
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025	B	**0.116**	mg/L	1	08/19/2025 15:42	243426
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/19/2025 15:42	243426
Boron	NELAP	0.0200		**0.0428**	mg/L	1	08/19/2025 15:42	243426
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/19/2025 15:42	243426
Calcium	NELAP	0.100		**86.7**	mg/L	1	08/19/2025 15:42	243426
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:42	243426
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/19/2025 15:42	243426
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/19/2025 15:42	243426
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/19/2025 15:42	243426
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010	B	**< 0.0010**	mg/L	5	08/18/2025 17:14	243426
Arsenic	NELAP	0.0010		**0.0086**	mg/L	5	08/19/2025 18:52	243563
Lithium	*	0.0030		**0.0066**	mg/L	5	08/15/2025 13:56	243426
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/15/2025 13:56	243426
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/15/2025 13:56	243426
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 16:40	243437
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-021
Client Sample ID: AW-1
Matrix: GROUNDWATER
Collection Date: 08/12/2025 11:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.79**	ft	1	08/12/2025 11:02	R369783
Depth to water	*	-5.00		**12.26**	ft	1	08/12/2025 11:02	R369783
Depth to water from measuring point	*	0		**15.01**	ft	1	08/12/2025 11:02	R369783
Elevation of groundwater surface	*	0		**540.59**	ft	1	08/12/2025 11:02	R369783
Measuring Point Elevation	*	0		**555.60**	ft	1	08/12/2025 11:02	R369783
Measuring Point Height Above Land Surface	*	0		**2.75**	ft	1	08/12/2025 11:02	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**71**	NTU	1	08/12/2025 11:02	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**66.1**	°F	1	08/12/2025 11:02	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.58**		1	08/12/2025 11:02	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1600**	µmhos/cm @25C	1	08/12/2025 11:02	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1250**	mg/L	1	08/14/2025 16:05	R369886
Stable weight could not be achieved after multiple drying, cooling, and weighing. Lowest final weight reported.								
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 15:58	R369781
Chloride	NELAP	5.00		**37.2**	mg/L	10	08/13/2025 15:58	R369781
Sulfate	NELAP	10.0		**408**	mg/L	10	08/13/2025 15:58	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.105**	mg/L	1	08/14/2025 17:42	243361
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 17:42	243361
Boron	NELAP	0.0200	S	**9.61**	mg/L	1	08/14/2025 17:42	243361
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 17:42	243361
Calcium	NELAP	0.100	S	**205**	mg/L	1	08/14/2025 17:42	243361
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:42	243361
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:42	243361
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 17:42	243361
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 17:42	243361
Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.								
Matrix spike control limits for Ca & B are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 13:21	243361
Arsenic	NELAP	0.0010		**0.0098**	mg/L	5	08/15/2025 2:04	243361
Lithium	*	0.0030		**0.0112**	mg/L	5	08/18/2025 13:21	243361
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 13:21	243361
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 13:21	243361
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:30	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/22/2025 0:00	R372539

Client: City Water, Light & Power
Work Order: 25080110
Client Project: Ash Pond Monitoring Wells
Report Date: 09-Oct-25
Lab ID: 25080110-022
Client Sample ID: G120
Matrix: GROUNDWATER
Collection Date: 08/12/2025 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**502.73**	ft	1	08/12/2025 11:52	R369783
Depth to water	*	-5.00		**18.10**	ft	1	08/12/2025 11:52	R369783
Depth to water from measuring point	*	0		**18.10**	ft	1	08/12/2025 11:52	R369783
Elevation of groundwater surface	*	0		**535.00**	ft	1	08/12/2025 11:52	R369783
Measuring Point Elevation	*	0		**553.10**	ft	1	08/12/2025 11:52	R369783
Measuring Point Height Above Land Surface	*	0		**0**	ft	1	08/12/2025 11:52	R369783
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.7**	NTU	1	08/12/2025 11:52	R369783
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**74.4**	°F	1	08/12/2025 11:52	R369783
SW-846 9040B								
pH, Field	*	1.00		**6.67**		1	08/12/2025 11:52	R369783
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2000**	µmhos/cm @25C	1	08/12/2025 11:52	R369783
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1640**	mg/L	1	08/14/2025 16:05	R369886
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	08/13/2025 16:09	R369781
Chloride	NELAP	5.00		**36.8**	mg/L	10	08/13/2025 16:09	R369781
Sulfate	NELAP	10.0		**569**	mg/L	10	08/13/2025 16:09	R369781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	0.0025		**0.769**	mg/L	1	08/14/2025 17:45	243361
Beryllium	NELAP	0.0005		**< 0.0005**	mg/L	1	08/14/2025 17:45	243361
Boron	NELAP	0.0200		**7.95**	mg/L	1	08/14/2025 17:45	243361
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/14/2025 17:45	243361
Calcium	NELAP	0.100		**272**	mg/L	1	08/14/2025 17:45	243361
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:45	243361
Cobalt	NELAP	0.0050		**< 0.0050**	mg/L	1	08/14/2025 17:45	243361
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/14/2025 17:45	243361
Molybdenum	NELAP	0.0100		**< 0.0100**	mg/L	1	08/14/2025 17:45	243361
Sample result(s) for Ca exceed 10 times the CCB. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 13:02	243361
Arsenic	NELAP	0.0010		**0.0115**	mg/L	5	08/15/2025 1:58	243361
Lithium	*	0.0030		**0.0073**	mg/L	5	08/18/2025 13:02	243361
Selenium	NELAP	0.0010		**< 0.0010**	mg/L	5	08/18/2025 13:02	243361
Thallium	NELAP	0.0020		**< 0.0020**	mg/L	5	08/18/2025 13:02	243361
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/14/2025 15:33	243378
EPA 903.0/904.0, RADIUM 226/228								
Radium-226	*	0		**See Attached**	pci/L	1	09/23/2025 0:00	R372539
Radium-228	*	0		**See Attached**	pci/L	1	09/23/2025 0:00	R372539

Receiving Check List

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25080110
Report Date: 09-Oct-25

Carrier: Daniel Crump

Received By: LEH

Completed by: Laura E Henson
On: 13-Aug-25

Reviewed by: Ellie Hopkins
On: 14-Aug-25

Pages to follow: Chain of custody 4 Extra pages included 71

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **4.3**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #104524. - lhenson - 8/13/2025 8:47:33 AM

Additional nitric acid (104844) was needed in RW-3 and G120 upon arrival at the laboratory. - lhenson - 8/13/2025 8:47:35 AM

Cooler #2 = 5.3C, Cooler #3 = 4.7, and Cooler #4 = 3.7C (LTG #5). - LH 8/13/25

Samples were received on 8/13/25 at 1436 on ice [12.7, 11.9 and 15.3C - LTG#5]. pH strip #104524. - amberdilallo - 8/14/2025 7:41:56 AM

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25080110

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

5.3, 4.7, 3.7

Client: City Water, Light & Power

Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building

City/State/Zip: Springfield IL 62712

Contact: Eric Staley Phone: (217) 757-8610

Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 4.3 °C 5

Preserved in: [X] LAB [ ] FIELD FOR LAB USE ONLY

LAB NOTES: PM 104524

added HNO3 (104544) to RW3 and G120 LL 8/13/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No

Are these samples known to be hazardous? [ ] Yes [✓] No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:

*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Justin Colp

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25080110-001	RW-3	8-12-25 / 1332	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-002	AP-1	1155	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-003	AP-2	1226	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-004	AP-3	1258	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-005	AP-4	1040	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-006	AP-5	956	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-007	AP-6	1170	Groundwater	1	4								✓	✓	✓	✓	✓	✓
-008	AP-7		Groundwater	1	4								✓	✓	✓	✓	✓	✓
-009	AP-8		Groundwater	1	4								✓	✓	✓	✓	✓	✓
-010	AP-9		Groundwater	1	4								✓	✓	✓	✓	✓	✓
-011	AP-10		Groundwater	1	4								✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
	8-12 / 1540		8/12/25 1540

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25080110

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Brett Gillihan/Partytod

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED											
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity							
25080110-012	AP-11	8-12-25 1044	Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-013	AP-12	8-12-25 1127	Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-014	AP-13		Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-015	AP-14		Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-016	T-1	8-12-25 1316	Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-017	T-2	8-12-25 1220	Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-018	T-4		Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-019	T-5		Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-020	T-6		Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-021	AW-1	8/12/25 1102	Groundwater	1	4								✔	✔	✔	✔	✔	✔							
-022	G120	8/12/25 1157	Groundwater	1	4								✔	✔	✔	✔	✔	✔							

Relinquished By	Date/Time	Received By	Date/Time
	8-12/1540		8/12/25 1540

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CHAIN OF CUSTODY

Pg 1 of 2 Workorder # 25080110

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

12.7, 11.9

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [x] ICE [ ] BLUE ICE [ ] NO ICE 15.3 °C 5
Preserved in: [ ] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: 104524 8/14/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Allison Lampe

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED												
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity								
25080110-001	RW-3		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-002	AP-1		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-003	AP-2		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-004	AP-3		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-005	AP-4		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-006	AP-5		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-007	AP-6		Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-008	AP-7	8-13-25 956	Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-009	AP-8	8-13-25 1214	Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-010	AP-9	8-13-25 1035	Groundwater	1	4								✓	✓	✓	✓	✓	✓								
-011	AP-10	8-13-25 1132	Groundwater	1	4								✓	✓	✓	✓	✓	✓								

Relinquished By	Date/Time	Received By	Date/Time
Allison Lampe	8-13-25 236	Amber DeWall	8/13/25 1436

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 2 of 2 Workorder # 25080110

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Samples on: ☑ ~~ICE~~ ☐ BLUE ICE ☐ NO ICE 15.3 °C 5
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:
**corrected collection times: T-4 11:54, T-5 11:19, T-6 10:42. SAH 8/18/25

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Bret Gillihan

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID		Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Field Turbidity
25080110-012	AP-11			Groundwater	1	4								✔	✔	✔	✔	✔	✔
-013	AP-12			Groundwater	1	4								✔	✔	✔	✔	✔	✔
-014	AP-13		8-13-25 953	Groundwater	1	4								✔	✔	✔	✔	✔	✔
-015	AP-14		8-13-25 1054	Groundwater	1	4								✔	✔	✔	✔	✔	✔
-016	T-1			Groundwater	1	4								✔	✔	✔	✔	✔	✔
-017	T-2			Groundwater	1	4								✔	✔	✔	✔	✔	✔
-018	T-4	**	8-13-25 1135	Groundwater	1	4								✔	✔	✔	✔	✔	✔
-019	T-5	**	8-13-25 1100	Groundwater	1	4								✔	✔	✔	✔	✔	✔
-020	T-6	**	8-13-25 1026	Groundwater	1	4								✔	✔	✔	✔	✔	✔
-021	AW-1			Groundwater	1	4								✔	✔	✔	✔	✔	✔
-022	G120			Groundwater	1	4								✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
[signature]	8-13-25 236	[signature]	8/13/25 1436

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SC_381

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	RW-3
Project Location:	Springfield, IL	**Sample ID:**	001
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 87 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 1:11 PM

Static Water Level: 10.57 feet below TOC

Total Depth: 44.01 feet below TOC

Water Column: 33.44 feet

Purging Activities

Purged By: JC — Purge Date: 8/12/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 33.44 ft. x 0.022 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:12	0.0	250	purge start time						
13:17	1.3	↓	7.07	798.90	15.60	2.83	50.20	19.30	
13:20	2.0		7.00	790.90	15.50	1.83	32.90	20.87	
13:23	2.8		6.97	790.00	15.29	1.42	19.30	8.51	
13:26	3.5		6.94	789.40	15.35	1.18	8.40	8.14	
13:29	4.3		6.93	792.30	15.36	1.04	-1.60	11.57	
13:32	5.0		6.92	794.40	15.17	0.94	-10.80	13.43	

Sampling Activities

Sampled By: JC — Sample Date/Time: 8/12/2025 13:32

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.92 pH — 794.40 Spec. Cond. — 15.17 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 17.62 feet below TOC — Drawdown: 7.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: [signature] — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-1
Project Location:	Springfield, IL	**Sample ID:**	002
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 86 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	No			

Groundwater Level Measurements

Date/Time Measured: 8/12/25 11:34 AM

Static Water Level: 11.22 feet below TOC

Total Depth: 31.08 feet below TOC

Water Column: 19.86 feet

Purging Activities

Purged By: JC — Purge Date: 8/12/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 19.86 ft. x 0.022 = 0.44 L x 3 Vol. = 1.32 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:35	0.0	250	purge start time						
11:40	1.3	↓	6.46	1,809.80	16.79	2.44	103.50	16.48	
11:43	2.0		6.44	1,883.30	16.76	1.63	76.10	17.05	
11:46	2.8		6.43	1,970.00	16.58	1.29	48.10	19.77	
11:49	3.5		6.42	2,021.40	16.60	1.09	26.30	22.55	
11:52	4.3		6.43	2,076.80	16.55	0.97	11.20	7.96	
11:55	5.0		6.42	2,104.50	16.41	0.88	0.50	10.98	

Sampling Activities

Sampled By: JC — Sample Date/Time: 8/12/2025 11:55

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.42 pH — 2,104.50 Spec. Cond. — 16.41 Temp

Field Filtered: No — Filter Type:

Water Level: 11.55 feet below TOC — Drawdown: 0.33 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: [signature] — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-2
Project Location:	Springfield, IL	**Sample ID:**	003
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 87 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 8/12/25 12:06 PM

Static Water Level: 8.60 feet below TOC

Total Depth: 21.33 feet below TOC

Water Column: 12.73 feet

Purging Activities

Purged By: JC — Purge Date: 8/12/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.73 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:07	0.0	263	purge start time						
12:14	1.8	↓	6.39	1,602.30	17.04	1.92	78.10	17.42	
12:17	2.6		6.35	1,603.90	16.92	1.43	75.60	17.06	
12:20	3.4		6.33	1,603.30	16.56	1.18	73.70	19.29	
12:23	4.2		6.32	1,603.10	16.48	1.03	72.20	6.81	
12:26	5.0		6.30	1,606.10	16.68	0.93	70.80	8.43	

Sampling Activities

Sampled By: JC — Sample Date/Time: 8/12/2025 12:26

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.30 pH — 1,606.10 Spec. Cond. — 16.68 Temp

Field Filtered: No — Filter Type:

Water Level: 8.80 feet below TOC — Drawdown: 0.20 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: Justin Colp — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-3
Project Location:	Springfield, IL	**Sample ID:**	004
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 87 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 8/12/25 12:34 PM

Static Water Level: 8.73 feet below TOC

Total Depth: 20.80 feet below TOC

Water Column: 12.07 feet

Purging Activities

Purged By: JC — Purge Date: 8/12/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.07 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.50 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:36	0.0	250	purge start time						
12:43	1.8	↓	6.42	1,622.60	17.60	2.04	96.00	5.57	
12:46	2.5		6.39	1,624.00	17.43	1.51	80.40	4.97	
12:49	3.3		6.38	1,625.40	17.53	1.22	64.50	4.11	
12:52	4.0		6.38	1,625.50	17.31	1.05	50.40	3.26	
12:55	4.8		6.37	1,625.40	17.24	0.94	38.90	3.14	
12:58	5.5		6.36	1,624.50	17.32	0.86	29.80	2.90	

Sampling Activities

Sampled By: JC — Sample Date/Time: 8/12/2025 12:58

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.36 pH — 1,624.50 Spec. Cond. — 17.32 Temp

Field Filtered: No — Filter Type:

Water Level: 9.71 feet below TOC — Drawdown: 0.98 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: [signature] — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-4
Project Location:	Springfield, IL	**Sample ID:**	005
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 82 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 10:12 AM

Static Water Level: 10.86 feet below TOC

Total Depth: 60.41 feet below TOC

Water Column: 49.55 feet

Purging Activities

Purged By: JC Purge Date: 8/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 49.55 ft. x 0.022 = 1.09 L x 3 Vol. = 3.27 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.50 L

Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:13	0.0	241	purge start time						
10:22	2.2	↓	6.66	992.60	19.67	2.38	136.80	133.52	
10:25	2.9		6.65	995.50	19.62	1.78	89.50	167.82	
10:28	3.6		6.65	997.50	19.65	1.41	49.20	164.04	
10:31	4.3		6.65	999.30	19.62	1.19	21.50	168.64	
10:34	5.1		6.65	999.40	19.55	1.06	2.80	119.36	
10:37	5.8		6.65	999.70	19.60	0.96	-10.60	119.27	
10:40	6.5		6.64	999.90	19.70	0.90	-20.80	115.89	

Sampling Activities

Sampled By: JC Sample Date/Time: 8/12/2025 10:40

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.64 pH 999.90 Spec. Cond. 19.70 Temp

Field Filtered: No Filter Type:

Water Level: 12.10 feet below TOC Drawdown: 1.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: Justin Colp **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-5
Project Location:	Springfield, IL	**Sample ID:**	006
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 81 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 8/12/25 9:28 AM

Static Water Level: 15.94 feet below TOC

Total Depth: 31.27 feet below TOC

Water Column: 15.33 feet

Purging Activities

Purged By: JC — Purge Date: 8/12/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 15.33 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 8.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:29	0.0	296	purge start time						
9:32	0.9	↓	6.61	854.60	15.72	4.28	192.80	7.48	
9:35	1.8		6.55	857.20	15.53	2.72	196.90	6.29	
9:38	2.7		6.55	861.90	15.34	2.12	199.20	6.06	
9:41	3.6		6.57	864.70	15.26	1.84	200.70	7.92	
9:44	4.4		6.59	865.30	15.30	1.67	201.20	10.44	
9:47	5.3		6.61	867.30	15.31	1.55	201.40	15.13	
9:50	6.2		6.62	867.50	15.22	1.47	202.40	33.56	
9:53	7.1		6.63	868.30	15.19	1.41	203.70	11.51	
9:56	8.0		6.64	867.70	15.16	1.37	204.60	24.57	

Sampling Activities

Sampled By: JC — Sample Date/Time: 8/12/2025 9:56

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.64 pH — 867.70 Spec. Cond. — 15.16 Temp

Field Filtered: No — Filter Type:

Water Level: 18.27 feet below TOC — Drawdown: 2.33 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864
- Lid on protective cover won't close.

Form Completed By: [signature] — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-6
Project Location:	Springfield, IL	**Sample ID:**	007
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 85 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 8/12/25 10:57 AM

Static Water Level: 8.13 feet below TOC

Total Depth: 39.62 feet below TOC

Water Column: 31.49 feet

Purging Activities

Purged By: JC Purge Date: 8/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 31.49 ft. x 0.022 = 0.69 L x 3 Vol. = 2.07 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	227	purge start time						
11:05	1.6	↓	7.05	814.60	15.62	1.87	64.10	18.67	
11:08	2.3		6.99	817.10	15.59	1.44	62.10	22.34	
11:11	3.0		6.95	817.50	15.52	1.21	60.10	17.42	
11:14	3.6		6.92	818.40	15.47	1.07	58.00	16.04	
11:17	4.3		6.91	817.30	15.45	0.97	55.40	9.09	
11:20	5.0		6.89	818.90	15.39	0.90	52.50	7.08	

Sampling Activities

Sampled By: JC Sample Date/Time: 8/12/2025 11:20

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 6.89 pH 818.90 Spec. Cond. 15.39 Temp

Field Filtered: No Filter Type:

Water Level: 17.81 feet below TOC Drawdown: 9.68 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: Justin Colp **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-7
Project Location:	Springfield, IL	**Sample ID:**	008
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 82 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 9:56 AM

Static Water Level: 11.71 feet below TOC

Total Depth: 42.52 feet below TOC

Water Column: 30.81 feet

Purging Activities

Purged By: AL — Purge Date: 8/13/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 30.81 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:56	0.0	364	purge start time						
9:58	0.7	↓	7.10	897.80	15.70	0.44	-121.80	73.22	
10:01	1.8		7.11	900.40	15.65	0.42	-126.10	78.01	
10:04	2.9		7.12	903.20	15.82	0.40	-129.10	65.72	
10:07	4.0		7.12	908.30	15.68	0.39	-131.50	98.20	

Sampling Activities

Sampled By: PY — Sample Date/Time: 8/13/2025 10:07

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.12 pH — 908.30 Spec. Cond. — 15.68 Temp

Field Filtered: No — Filter Type:

Water Level: 16.35 feet below TOC — Drawdown: 4.64 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45612

Form Completed By: Allison Lampe — **Date:** 8/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-8
Project Location:	Springfield, IL	**Sample ID:**	009
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 82 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 11:47 AM

Static Water Level: 5.96 feet below TOC

Total Depth: 39.60 feet below TOC

Water Column: 33.64 feet

Purging Activities

Purged By: JC Purge Date: 8/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 33.64 ft. x 0.022 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 8.00 L

Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	308	purge start time						
11:56	2.5	↓	6.78	1,072.50	17.37	2.36	47.10	27.64	
11:59	3.4		6.75	1,072.40	17.48	1.91	28.10	35.01	
12:02	4.3		6.74	1,073.20	17.31	1.67	13.70	27.08	
12:05	5.2		6.73	1,071.90	17.39	1.50	2.00	17.07	
12:08	6.2		6.72	1,072.50	17.50	1.39	-6.80	28.74	
12:11	7.1		6.72	1,073.40	17.37	1.30	-13.60	24.21	
12:14	8.0		6.71	1,074.30	17.59	1.23	-19.10	21.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 8/13/2025 12:14

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.71 pH 1,074.30 Spec. Cond. 17.59 Temp

Field Filtered: No Filter Type:

Water Level: 6.38 feet below TOC Drawdown: 0.42 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: Justin Colp **Date:** 8/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25080110
Monitoring Point: AP-9
Sample ID: 010
Date (s): 8/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 8/13/25 9:38 AM
Static Water Level: 13.64 feet below TOC
Total Depth: 39.60 feet below TOC
Water Column: 25.96 feet

Purging Activities

Purged By: JC — Purge Date: 8/13/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 25.96 ft. x 0.022 = 0.57 L x 3 Vol. = 1.71 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 12.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:40	0.0	235	purge start time						
9:46	1.4	↓	6.58	1,143.50	18.23	3.47	154.00	61.09	
9:49	2.1		6.55	1,143.40	18.12	2.90	149.00	93.19	
9:52	2.8		6.55	1,148.00	17.86	2.54	138.20	43.74	
9:55	3.5		6.60	1,159.10	18.90	4.34	123.00	6.68	
9:58	4.2		6.59	1,161.00	17.02	3.46	106.30	14.03	
10:01	4.9		6.56	1,160.30	17.16	2.32	88.20	28.72	
10:04	5.6		6.58	1,159.50	17.76	3.20	74.30	3.11	
10:07	6.4		6.63	1,159.30	17.88	4.29	66.50	9.13	
10:10	7.1		6.82	1,153.60	18.14	6.08	62.30	8.03	
10:13	7.8		6.65	1,162.20	16.48	4.13	51.70	33.73	
10:16	8.5		6.60	1,155.00	16.09	2.53	39.50	22.64	
10:19	9.2		6.58	1,155.40	16.12	1.98	28.90	22.90	
10:22	9.9		6.58	1,152.40	16.11	1.71	20.00	22.52	
10:25	10.6		6.57	1,154.20	16.04	1.55	12.60	23.71	
10:28	11.3		6.57	1,155.10	16.11	1.44	6.70	23.15	
10:31	12.0		6.57	1,153.30	16.14	1.37	1.20	18.43	

Sampling Activities

Sampled By: JC — Sample Date/Time: 8/13/2025 10:31
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.57 pH — 1,153.30 Spec. Cond. — 16.14 Temp
Field Filtered: No — Filter Type:
Water Level: 18.81 feet below TOC — Drawdown: 5.17 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: Justin Colp — **Date:** 8/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-10
Project Location:	Springfield, IL	**Sample ID:**	011
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 11:06 AM

Static Water Level: 4.89 feet below TOC

Total Depth: 38.07 feet below TOC

Water Column: 33.18 feet

Purging Activities

Purged By: JC Purge Date: 8/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 33.18 ft. x 0.022 = 0.73 L x 3 Vol. = 2.19 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:07	0.0	280	purge start time						
11:14	2.0	↓	6.62	1,382.40	18.51	2.74	100.30	6.70	
11:17	2.8		6.57	1,386.30	18.03	2.21	85.50	6.47	
11:20	3.6		6.54	1,380.40	17.98	1.91	70.90	8.95	
11:23	4.5		6.53	1,383.90	17.90	1.71	57.20	9.13	
11:26	5.3		6.52	1,385.80	17.97	1.58	45.10	8.34	
11:29	6.2		6.52	1,382.70	17.74	1.48	34.80	8.63	
11:32	7.0		6.52	1,386.40	17.54	1.41	26.50	11.76	

Sampling Activities

Sampled By: JC Sample Date/Time: 8/13/2025 11:32

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 6.52 pH 1,386.40 Spec. Cond. 17.54 Temp

Field Filtered: No Filter Type:

Water Level: 5.09 feet below TOC Drawdown: 0.20 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46864

Form Completed By: Justin Colp **Date:** 8/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25080110
Monitoring Point: AP-11
Sample ID: 012
Date (s): 8/12/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez Affiliation: TekLab, Inc.

Weather Conditions

Temp: 84 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 10:24 AM
Static Water Level: 15.69 feet below TOC
Total Depth: 22.95 feet below TOC
Water Column: 7.26 feet

Purging Activities

Purged By: JR Purge Date: 8/12/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.26 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:24	0.0	200	purge start time						
10:32	1.6	↓	6.22	1,056.40	23.96	2.24	94.90	10.24	
10:35	2.2		6.26	1,038.10	24.41	2.18	89.80	10.34	
10:38	2.8		6.31	1,026.00	24.76	2.17	84.40	10.81	
10:41	3.4		6.33	1,016.40	25.07	2.17	80.40	11.94	
10:44	4.0		6.34	1,009.40	25.37	2.18	77.80	12.85	

Sampling Activities

Sampled By: JR Sample Date/Time: 8/12/2025 10:44
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.34 pH 1,009.40 Spec. Cond. 25.37 Temp
Field Filtered: No Filter Type:
Water Level: 15.94 feet below TOC Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-12
Project Location:	Springfield, IL	**Sample ID:**	013
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 86 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 11:03 AM

Static Water Level: 18.03 feet below TOC

Total Depth: 30.40 feet below TOC

Water Column: 12.37 feet

Purging Activities

Purged By: JR — Purge Date: 8/12/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.37 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Lt Gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:03	0.0	167	purge start time						
11:15	2.0	↓	6.38	919.10	21.63	1.57	46.50	57.46	
11:18	2.5		6.37	935.60	22.73	1.59	43.00	66.31	
11:21	3.0		6.38	947.90	23.18	1.62	39.70	75.89	
11:24	3.5		6.38	950.20	23.04	1.64	37.30	78.00	
11:27	4.0		6.38	951.40	23.26	1.63	35.30	82.48	

Sampling Activities

Sampled By: JR — Sample Date/Time: 8/12/2025 11:27

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.38 pH — 951.40 Spec. Cond. — 23.26 Temp

Field Filtered: No — Filter Type:

Water Level: 19.01 feet below TOC — Drawdown: 0.98 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-13
Project Location:	Springfield, IL	**Sample ID:**	014
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 9:30 AM

Static Water Level: 18.65 feet below TOC

Total Depth: 31.00 feet below TOC

Water Column: 12.35 feet

Purging Activities

Purged By: JR — Purge Date: 8/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.35 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:30	0.0	261	purge start time						
9:41	2.9	↓	6.39	806.30	22.60	2.47	71.70	23.29	
9:44	3.7		6.42	792.60	22.86	2.42	59.70	28.67	
9:47	4.4		6.43	781.40	23.25	2.32	49.60	30.32	
9:50	5.2		6.43	772.20	23.49	2.24	41.50	34.50	
9:53	6.0		6.43	762.80	23.52	2.15	34.80	37.20	

Sampling Activities

Sampled By: JR — Sample Date/Time: 8/13/2025 9:53

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.43 pH — 762.80 Spec. Cond. — 23.52 Temp

Field Filtered: No — Filter Type:

Water Level: 19.76 feet below TOC — Drawdown: 1.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan — **Date:** 8/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-14
Project Location:	Springfield, IL	**Sample ID:**	015
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 10:34 AM

Static Water Level: 3.22 feet below TOC

Total Depth: 31.20 feet below TOC

Water Column: 27.98 feet

Purging Activities

Purged By: JR — Purge Date: 8/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 27.98 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:34	0.0	250	purge start time						
10:42	2.0	↓	6.79	1,095.20	29.34	3.69	71.40	11.59	
10:45	2.8		6.74	1,105.50	29.05	2.66	69.60	16.94	
10:48	3.5		6.72	1,097.90	28.88	1.99	68.00	18.64	
10:51	4.3		6.71	1,108.40	28.98	1.70	65.30	21.89	
10:54	5.0		6.71	1,115.40	29.26	1.59	61.50	11.84	

Sampling Activities

Sampled By: JR — Sample Date/Time: 8/13/2025 10:54

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.71 pH — 1,115.40 Spec. Cond. — 29.26 Temp

Field Filtered: No — Filter Type:

Water Level: 3.47 feet below TOC — Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan — **Date:** 8/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25080110
Monitoring Point: T-1
Sample ID: 016
Date (s): 8/12/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 87 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 12:49 PM
Static Water Level: 14.63 feet below TOC
Total Depth: 22.95 feet below TOC
Water Column: 8.32 feet

Purging Activities

Purged By: JR — Purge Date: 8/12/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.32 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:49	0.0	222	purge start time						
13:04	3.3	↓	6.48	1,032.00	23.62	1.96	37.20	31.78	
13:07	4.0		6.47	1,044.50	23.81	1.95	36.30	33.26	
13:10	4.7		6.47	1,051.90	24.03	1.94	35.50	29.37	
13:13	5.3		6.46	1,061.40	24.06	1.93	35.00	32.12	
13:16	6.0		6.46	1,069.60	24.24	1.91	34.70	35.67	

Sampling Activities

Sampled By: JR — Sample Date/Time: 8/12/2025 13:16
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.46 pH — 1,069.60 Spec. Cond. — 24.24 Temp
Field Filtered: No — Filter Type:
Water Level: 15.23 feet below TOC — Drawdown: 0.60 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-2
Project Location:	Springfield, IL	**Sample ID:**	017
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Jeremy Rodriguez — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 87 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 12:03 PM

Static Water Level: 25.72 feet below TOC

Total Depth: 34.44 feet below TOC

Water Column: 8.72 feet

Purging Activities

Purged By: JR — Purge Date: 8/12/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 8.72 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: Strong — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:03	0.0	235	purge start time						
12:08	1.2	↓	6.62	807.50	20.46	2.29	-36.80	6.96	
12:11	1.9		6.54	849.50	21.69	2.25	-47.90	6.27	
12:14	2.6		6.52	868.30	22.19	2.15	-56.90	5.17	
12:17	3.3		6.51	883.40	22.48	2.03	-64.10	4.74	
12:20	4.0		6.51	905.10	22.61	1.95	-70.00	4.37	

Sampling Activities

Sampled By: JR — Sample Date/Time: 8/12/2025 12:20

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.51 pH — 905.10 Spec. Cond. — 22.61 Temp

Field Filtered: No — Filter Type:

Water Level: 26.12 feet below TOC — Drawdown: 0.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan — **Date:** 8/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-4
Project Location:	Springfield, IL	**Sample ID:**	018
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 82 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 11:35 AM

Static Water Level: 18.25 feet below TOC

Total Depth: 27.42 feet below TOC

Water Column: 9.17 feet

Purging Activities

Purged By: AL — Purge Date: 8/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 9.17 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 9.00 L

Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:35	0.0	474	purge start time						
11:45	4.7	↓	6.62	673.60	17.40	0.65	-2.30	66.72	
11:48	6.2		6.63	661.70	17.15	0.53	-6.10	38.28	
11:51	7.6		6.62	636.80	17.55	0.49	-7.70	33.95	
11:54	9.0		6.60	607.40	17.46	0.47	-7.60	31.69	

Sampling Activities

Sampled By: PY — Sample Date/Time: 8/13/2025 11:54

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.60 pH — 607.40 Spec. Cond. — 17.46 Temp

Field Filtered: No — Filter Type:

Water Level: 20.10 feet below TOC — Drawdown: 1.85 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45612

Form Completed By: Allison Lampe — **Date:** 8/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-5
Project Location:	Springfield, IL	**Sample ID:**	019
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 82 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 11:00 AM

Static Water Level: 10.32 feet below TOC

Total Depth: 22.34 feet below TOC

Water Column: 12.02 feet

Purging Activities

Purged By: AL — Purge Date: 8/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.02 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:00	0.0	158	purge start time						
11:10	1.6	↓	6.80	636.30	19.39	0.79	-7.80	27.89	
11:13	2.1		6.79	634.60	19.12	0.66	-9.80	20.48	
11:16	2.5		6.79	624.10	19.58	0.64	-10.10	15.44	
11:19	3.0		6.80	615.80	18.84	0.65	-8.80	13.45	

Sampling Activities

Sampled By: PY — Sample Date/Time: 8/13/2025 11:19

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.80 pH — 615.80 Spec. Cond. — 18.84 Temp

Field Filtered: No — Filter Type:

Water Level: 15.08 feet below TOC — Drawdown: 4.76 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45612

Form Completed By: Allison Lampe — **Date:** 8/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-6
Project Location:	Springfield, IL	**Sample ID:**	020
W.O. Number (s):	25080110	**Date (s):**	8/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 82 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/13/25 10:26 AM

Static Water Level: 8.15 feet below TOC

Total Depth: 43.62 feet below TOC

Water Column: 35.47 feet

Purging Activities

Purged By: AL — Purge Date: 8/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 35.47 ft. x 0.022 = 0.78 L x 3 Vol. = 2.34 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy — Odor: Strong — Color: gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:26	0.0	375	purge start time						
10:33	2.6	↓	7.17	769.30	20.52	0.44	-147.00	70.17	
10:36	3.8		7.17	758.20	21.22	0.40	-149.20	61.90	
10:39	4.9		7.17	757.90	22.21	0.38	-150.90	50.89	
10:42	6.0		7.16	759.90	22.80	0.37	-152.20	37.05	

Sampling Activities

Sampled By: PY — Sample Date/Time: 8/13/2025 10:42

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 7.16 pH — 759.90 Spec. Cond. — 22.80 Temp

Field Filtered: No — Filter Type:

Water Level: 11.61 feet below TOC — Drawdown: 3.46 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45612

Form Completed By: Allison Lampe — **Date:** 8/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AW-1
Project Location:	Springfield, IL	**Sample ID:**	021
W.O. Number (s):	25080110	**Date (s):**	8/12/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 85 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 10:46 AM

Static Water Level: 15.01 feet below TOC

Total Depth: 54.81 feet below TOC

Water Column: 39.80 feet

Purging Activities

Purged By: AL — Purge Date: 8/12/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 39.8 ft. x 0.022 = 0.88 L x 3 Vol. = 2.64 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:46	0.0	281	purge start time						
10:53	2.0	↓	6.57	1,602.50	18.89	1.13	-70.70	52.46	
10:56	2.8		6.57	1,598.90	18.79	1.03	-70.90	48.78	
10:59	3.7		6.58	1,600.70	18.80	0.97	-70.90	53.77	
11:02	4.5		6.58	1,599.30	18.97	0.93	-70.90	70.99	

Sampling Activities

Sampled By: PY — Sample Date/Time: 8/12/2025 11:02

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.58 pH — 1,599.30 Spec. Cond. — 18.97 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 17.02 feet below TOC — Drawdown: 2.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45612

Form Completed By: Allison Lampe — **Date:** 8/12/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25080110
Monitoring Point: G120
Sample ID: 022
Date (s): 8/12/2025

Field Team Members

Name: Allison Lampe Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 85 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 8/12/25 11:28 AM
Static Water Level: 18.10 feet below TOC
Total Depth: 50.37 feet below TOC
Water Column: 32.27 feet

Purging Activities

Purged By: AL Purge Date: 8/12/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 32.27 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:28	0.0	125	purge start time						
11:43	1.9	↓	6.67	1,995.10	24.23	0.83	-123.60	3.47	
11:46	2.3		6.66	2,010.50	25.64	0.65	-129.30	2.92	
11:49	2.6		6.66	2,014.80	24.46	0.57	-131.50	3.05	
11:52	3.0		6.67	2,003.10	23.53	0.51	-132.40	3.67	

Sampling Activities

Sampled By: PY Sample Date/Time: 8/12/2025 11:52
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 6.67 pH 2,003.10 Spec. Cond. 23.53 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.21 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45612

Form Completed By: Allison Lampe Date: 8/12/2025

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25080110
Technician(s): DC, JC, BG, AL, JR, PY

Field Calibration Log(s)
CWLP- 3Q 2025

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): B. Gillihan Date: 8/11/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	8/11/25 10:09
7.0 Buffer	WC240918A	7.00	8/11/25 9:59
10.0 Buffer	WC240625A	10.00	8/11/25 10:15
LCS/CCV (7.0 Buffer)	WC250407A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1411	8/11/25 10:26

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.31	8/11/25 10:28
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	8/11/25 10:28	21.7	7.02	1,414	0.34		
CCV-1-BG	CCV	8/11/25 15:01	23.3	7.02	1,417	0.39		

Comments:

Field Meter ID: Pine 46868 Technician(s): B. Gillihan Date: 8/12/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	
7.0 Buffer	WC240918A	7.00	8/12/25 8:49
10.0 Buffer	WC240625A	10.00	8/12/25 8:55
LCS/CCV (7.0 Buffer)	WC250407A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1415	8/12/25 9:01

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.17	8/12/25 9:06
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	8/12/25 9:08	22.6	7.02	1,418	0.2		
CCV-2-BG	CCV	8/12/25 14:07	24.3	7.03	1,422	0.29		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25080110
Technician(s): DC, JC, BG, AL, JR, PY

Field Calibration Log(s)
CWLP- 3Q 2025

SC_405

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 B. Gillihan Date: 8/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250102A	4.00	8/13/25 9:04
7.0 Buffer	WC240918A	7.00	8/13/25 8:58
10.0 Buffer	WC240625A	10.00	8/13/25 9:13
LCS/CCV (7.0 Buffer)	WC250407A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1415	8/13/25 9:18

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.37	8/13/25 9:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. bb
LCS-3-BG	LCS	8/13/25 9:28	23.4	7.01	1,435	0.63		
CCV-3-BG	CCV	8/13/25 12:39	24.7	7.03	1,444	0.55		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25080110
Technician(s): DC, JC, BG, AL, JR, PY

Field Calibration Log(s)
CWLP- 3Q 2025

SC_406

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46864 Technician(s): justin colp Date: 8/12/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc250102a	4.00	8/12/25 9:03
7.0 Buffer	wc250407a	7.00	8/12/25 9:00
10.0 Buffer	wc240625a	10.00	8/12/25 9:06
LCS/CCV (7.0 Buffer)	wc240918a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1412	8/12/25 9:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.91	8/12/25 9:12
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	8/12/25 9:12	23.8	7.01	1,397	1.87		
CCV-1-JC	CCV	8/12/25 13:41	26.4	7.04	1,382	2.03		

Comments:

Field Meter ID: Pine 46864 Technician(s): justin colp Date: 8/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc250102a	4.00	8/13/25 8:54
7.0 Buffer	wc250407a	7.00	8/13/25 8:49
10.0 Buffer	wc240625a	10.00	8/13/25 8:58
LCS/CCV (7.0 Buffer)	wc240918a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1412	8/13/25 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.95	8/13/25 9:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	8/13/25 9:06	23.6	7.03	1,410	1.92		
CCV-2-JC	CCV	8/13/25 13:00	24.2	6.97	1,388	2.03		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25080110
Technician(s): DC, JC, BG, AL, JR, PY

Field Calibration Log(s)
CWLP- 3Q 2025

SC_407

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45612 Technician(s): A.Lampe Date: 8/11/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250429L	4.00	8/11/25 10:09
7.0 Buffer	WC250407A	7.00	8/11/25 10:11
10.0 Buffer	Wc240625A	10.00	8/11/25 10:15
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1412	8/11/25 10:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.13	8/11/25 10:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-AL	LCS	8/11/25 10:21	21.9	7.07	1,416	0.13		
CCV-1-AL	CCV	8/11/25 14:16	25.7	7.09	1,412	0.23		

Comments:

Field Meter ID: Pine 45612 Technician(s): A.Lampe Date: 8/12/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250429L	4.00	8/12/25 9:11
7.0 Buffer	WC250407A	7.00	8/12/25 9:15
10.0 Buffer	Wc240625A	10.00	8/12/25 9:20
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1412	8/12/25 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.24	8/12/25 9:25
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-AL	LCS	8/12/25 9:31	25.8	7.09	1,418	0.24		
CCV-2-AL	CCV	8/12/25 14:14	27.5	7.09	1,420	0.21		

Comments:

Site Sampling Event: Ash Pond Monitoring Wells
LIMS Workorder: 25080110
Technician(s): DC, JC, BG, AL, JR, PY

Field Calibration Log(s)
CWLP- 3Q 2025

SC_408

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45612 Technician(s): A.Lampe Date: 8/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC250429L	4.00	8/13/25 9:06
7.0 Buffer	WC250407A	7.00	8/13/25 9:10
10.0 Buffer	Wc240625A	10.00	8/13/25 9:13
LCS/CCV (7.0 Buffer)	WC240918A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	105373	1412	8/13/25 9:16

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.12	8/13/25 9:17
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-AL	LCS	8/13/25 9:16	25.3	7.09	1,413	0.12		
CCV-3-AL	CCV	8/13/25 12:35	27.6	7.09	1,406	0.14		

Comments:

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

October 07, 2025

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 25080110

Order No.: 25081497

Dear Shelly Hennessy:

Alliance Technical Group - Akron received 22 sample(s) on 8/19/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

SC_409

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Case Narrative

WO#: **25081497**
Date: **10/7/2025**

CLIENT: TEKLAB Inc,
Project: 25080110

WorkOrder Narrative:
25081497: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence QC Notes:
LCS/LCSD-87172 Radium-228_DW(904.0): LCS and LCSD exhibit high RPD. Individually both LCS and LCSD meet required criteria.

LCS/LCSD-87463 Radium-228_DW(904.0): LCS and LCSD have high RPD. Individually each LCS and LCSD meet criteria.

LCS/LCSD-87531 Radium-228_DW(904.0): LCS and LCSD exhibit high RPD. Individually each LCS and LCSD meet required criteria.

Alliance Technical Group - Akro
3310 Win S
Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **25081497**
Date: **10/7/2025**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Alliance Technical Group - Akron
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Website: http://www.settek.com

Workorder Sample Summary

WO#: **25081497**
07-Oct-25

CLIENT: TEKLAB Inc,
Project: 25080110

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25081497-001	25080110-001		8/12/2025 1:32:00 PM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-002	25080110-002		8/12/2025 11:55:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-003	25080110-003		8/12/2025 12:26:00 PM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-004	25080110-004		8/12/2025 12:58:00 PM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-005	25080110-005		8/12/2025 10:40:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-006	25080110-006		8/12/2025 9:56:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-007	25080110-007		8/12/2025 11:20:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-008	25080110-008		8/13/2025 9:56:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-009	25080110-009		8/13/2025 12:14:00 PM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-010	25080110-010		8/13/2025 10:31:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-011	25080110-011		8/13/2025 11:32:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-012	25080110-012		8/12/2025 10:44:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-013	25080110-013		8/12/2025 11:27:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-014	25080110-014		8/13/2025 9:53:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-015	25080110-015		8/13/2025 10:54:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-016	25080110-016		8/12/2025 1:16:00 PM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-017	25080110-017		8/12/2025 12:20:00 PM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-018	25080110-018		8/13/2025 11:35:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-019	25080110-019		8/13/2025 11:00:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-020	25080110-020		8/13/2025 10:26:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-021	25080110-021		8/12/2025 11:02:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water
25081497-022	25080110-022		8/12/2025 11:52:00 AM	8/19/2025 10:15:00 AM	Non-Potable Water

SC_412

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DATES REPORT

WO#: **25081497**

07-Oct-25

SC_413

Client: TEKLAB Inc,
Project: 25080110

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25081497-001A	25080110-001	8/12/2025 1:32:00 PM	Non-Potable Water	Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-002A	25080110-002	8/12/2025 11:55:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-003A	25080110-003	8/12/2025 12:26:00 PM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-004A	25080110-004	8/12/2025 12:58:00 PM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-005A	25080110-005	8/12/2025 10:40:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-006A	25080110-006	8/12/2025 9:56:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-007A	25080110-007	8/12/2025 11:20:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
				Radium-228 (EPA 904.0)		9/23/2025 9:40:00 AM	10/1/2025 1:22:00 PM
25081497-008A	25080110-008	8/13/2025 9:56:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM

Original

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DATES REPORT

WO#: **25081497**

07-Oct-25

SC_414

Client: TEKLAB Inc,
Project: 25080110

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25081497-008A	25080110-008	8/13/2025 9:56:00 AM	Non-Potable Water	Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-009A	25080110-009	8/13/2025 12:14:00 PM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-010A	25080110-010	8/13/2025 10:31:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-011A	25080110-011	8/13/2025 11:32:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-012A	25080110-012	8/12/2025 10:44:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-013A	25080110-013	8/12/2025 11:27:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-014A	25080110-014	8/13/2025 9:53:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM
25081497-015A	25080110-015	8/13/2025 10:54:00 AM		Combined Radium (EPA903+904)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-226 (EPA 903.0)		9/11/2025 9:30:00 AM	9/18/2025 2:40:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 9:30:00 AM	9/18/2025 11:29:00 AM

Original

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DATES REPORT

WO#: **25081497**

07-Oct-25

SC_415

Client: TEKLAB Inc,
Project: 25080110

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25081497-016A	25080110-016	8/12/2025 1:16:00 PM	Non-Potable Water	Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM
25081497-017A	25080110-017	8/12/2025 12:20:00 PM		Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM
25081497-018A	25080110-018	8/13/2025 11:35:00 AM		Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM
25081497-019A	25080110-019	8/13/2025 11:00:00 AM		Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM
25081497-020A	25080110-020	8/13/2025 10:26:00 AM		Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM
25081497-021A	25080110-021	8/12/2025 11:02:00 AM		Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM
25081497-022A	25080110-022	8/12/2025 11:52:00 AM		Combined Radium (EPA903+904)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-226 (EPA 903.0)		9/11/2025 12:50:00 PM	9/23/2025 10:01:00 AM
				Radium-228 (EPA 904.0)		9/24/2025 2:30:00 PM	10/3/2025 3:06:00 PM
				Radium-228 (EPA 904.0)		9/11/2025 12:50:00 PM	9/22/2025 3:59:00 PM

Original

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Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,

Collection Date: 8/12/2025 1:32:00 PM

Project: 25080110

Lab ID: 25081497-001

Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-001

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.520	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0800	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	1.31	1.00		pCi/L	± 0.440	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_416

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 11:55:00 AM
Project: 25080110
Lab ID: 25081497-002
Matrix: NON-POTABLE WATER
Client Sample ID: 25080110-002

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.350	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.110	1	9/18/2025 2:40:00 PM
Yield	0.960					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.240	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_417

Alliance Technical Group - Akron
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Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 12:26:00 PM

Project: 25080110

Lab ID: 25081497-003
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-003

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.300	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0600	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.240	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_418

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 12:58:00 PM

Project: 25080110

Lab ID: 25081497-004
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-004

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.360	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0600	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.300	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_419

Alliance Technical Group - Akron
3310 Win St.
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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 10:40:00 AM

Project: 25080110

Lab ID: 25081497-005
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-005

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.450	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.130	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.320	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_420

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 9:56:00 AM

Project: 25080110

Lab ID: 25081497-006
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-006

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.340	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0700	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.270	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_421

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,

Collection Date: 8/12/2025 11:20:00 AM

Project: 25080110

Lab ID: 25081497-007

Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-007

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.440	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0700	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.370	1	10/1/2025 1:22:00 PM
Yield	1.00					1	10/1/2025 1:22:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_422

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 9:56:00 AM

Project: 25080110

Lab ID: 25081497-008
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-008

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.400	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0700	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.330	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_423

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 12:14:00 PM

Project: 25080110

Lab ID: 25081497-009
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-009

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.460	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.160	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.300	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_424

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 10:31:00 AM
Project: 25080110
Lab ID: 25081497-010
Matrix: NON-POTABLE WATER
Client Sample ID: 25080110-010

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.440	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.120	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.320	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_425

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 11:32:00 AM

Project: 25080110

Lab ID: 25081497-011
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-011

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.490	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.150	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.340	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_426

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,

Collection Date: 8/12/2025 10:44:00 AM

Project: 25080110

Lab ID: 25081497-012

Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-012

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.390	1	9/18/2025 2:40:00 PM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0800	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.310	1	9/18/2025 11:29:00 AM
Yield	0.920					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

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Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,

Collection Date: 8/12/2025 11:27:00 AM

Project: 25080110

Lab ID: 25081497-013

Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-013

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				**CALCULATION**	**E903-904**		Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.450	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0900	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.360	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_428

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 9:53:00 AM
Project: 25080110
Lab ID: 25081497-014
Matrix: NON-POTABLE WATER
Client Sample ID: 25080110-014

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.430	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0800	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.350	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_429

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 10:54:00 AM
Project: 25080110
Lab ID: 25081497-015
Matrix: NON-POTABLE WATER
Client Sample ID: 25080110-015

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.440	1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0800	1	9/18/2025 2:40:00 PM
Yield	1.00					1	9/18/2025 2:40:00 PM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.360	1	9/18/2025 11:29:00 AM
Yield	1.00					1	9/18/2025 11:29:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_430

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 1:16:00 PM

Project: 25080110

Lab ID: 25081497-016
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-016

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.570	1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0600	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	1.17	1.00		pCi/L	± 0.510	1	9/22/2025 3:59:00 PM
Yield	1.00					1	9/22/2025 3:59:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_431

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
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Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,

Collection Date: 8/12/2025 12:20:00 PM

Project: 25080110

Lab ID: 25081497-017

Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-017

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.550	1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.110	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	1.04	1.00		pCi/L	± 0.440	1	9/22/2025 3:59:00 PM
Yield	1.00					1	9/22/2025 3:59:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_432

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 11:35:00 AM
Project: 25080110
Lab ID: 25081497-018
Matrix: NON-POTABLE WATER
Client Sample ID: 25080110-018

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.450	1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.100	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	ND	1.00		pCi/L	± 0.350	1	9/22/2025 3:59:00 PM
Yield	1.00					1	9/22/2025 3:59:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_433

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 11:00:00 AM

Project: 25080110

Lab ID: 25081497-019
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-019

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.520	1	9/23/2025 10:01:00 AM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.0800	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.440	1	9/22/2025 3:59:00 PM
Yield	1.00					1	9/22/2025 3:59:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_434

Alliance Technical Group - Akron
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Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/13/2025 10:26:00 AM

Project: 25080110

Lab ID: 25081497-020
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-020

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.580	1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0900	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	1.10	1.00		pCi/L	± 0.490	1	9/22/2025 3:59:00 PM
Yield	1.00					1	9/22/2025 3:59:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_435

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Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 11:02:00 AM

Project: 25080110

Lab ID: 25081497-021
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-021

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228 COMBINED RADIUM (EPA903+904)				**CALCULATION**	**E903-904**		Analyst: **SEE**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.620	1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **SEE**
Radium-226	ND	1.00		pCi/L	± 0.0600	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228 RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **SEE**
Radium-228	1.72	1.00		pCi/L	± 0.560	1	9/22/2025 3:59:00 PM
Yield	1.00					1	9/22/2025 3:59:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_436

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Analytical Report

(consolidated)

WO#: **25081497**

Date Reported: **10/7/2025**

CLIENT: TEKLAB Inc,
Collection Date: 8/12/2025 11:52:00 AM

Project: 25080110

Lab ID: 25081497-022
Matrix: NON-POTABLE WATER

Client Sample ID: 25080110-022

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
RAD226/228					**CALCULATION**	**E903-904**	Analyst: **SEE**
COMBINED RADIUM (EPA903+904)							
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.490	1	9/23/2025 10:01:00 AM
RAD226/228					**E903.0**	**E903-904**	Analyst: **SEE**
RADIUM-226 (EPA 903.0)							
Radium-226	ND	1.00		pCi/L	± 0.170	1	9/23/2025 10:01:00 AM
Yield	1.00					1	9/23/2025 10:01:00 AM
RAD226/228					**E904.0**	**E903-904**	Analyst: **SEE**
RADIUM-228 (EPA 904.0)							
Radium-228	ND	1.00		pCi/L	± 0.320	1	10/3/2025 3:06:00 PM
Yield	1.00					1	10/3/2025 3:06:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_437

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_438

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87172**

Sample ID: **MB-87172** SampType: **MBLK** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217073**
Client ID: **BatchQC** Batch ID: **87172** TestNo: **E904.0** **E903-904** Analysis Date: **9/18/2025** SeqNo: **5787221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-87172** SampType: **LCS** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217073**
Client ID: **BatchQC** Batch ID: **87172** TestNo: **E904.0** **E903-904** Analysis Date: **9/18/2025** SeqNo: **5787222**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	5.39	1.00	5.000	0	108	50	130				QLR
Yield	1.00			0	0						

Sample ID: **LCSD-87172** SampType: **LCSD** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217073**
Client ID: **BatchQC** Batch ID: **87172** TestNo: **E904.0** **E903-904** Analysis Date: **9/18/2025** SeqNo: **5787223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.86	1.00	5.000	0	77.2	50	130	5.390	33.1	20	R
Yield	0.970			0	0			1.000	3.05		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**
07-Oct-25

SC_439

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87172**

Sample ID: **25081492-018ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217073**
Client ID: **BatchQC** Batch ID: **87172** TestNo: **E904.0** **E903-904** Analysis Date: **9/18/2025** SeqNo: **5787229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	0.42	1.00		0	0			0	0	20	
Yield	0.330			0	0			1.000	101		

Sample ID: **25081492-019ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217073**
Client ID: **BatchQC** Batch ID: **87172** TestNo: **E904.0** **E903-904** Analysis Date: **9/18/2025** SeqNo: **5787232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_440

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87172**

Sample ID: **MB-87172**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217076**
Client ID: **BatchQC**	Batch ID: **87172**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/18/2025**	SeqNo: **5787301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-87172**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217076**
Client ID: **BatchQC**	Batch ID: **87172**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/18/2025**	SeqNo: **5787302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.52	1.00	5.000	0	90.4	70	130				

Sample ID: **LCSD-87172**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217076**
Client ID: **BatchQC**	Batch ID: **87172**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/18/2025**	SeqNo: **5787303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.17	1.00	5.000	0	103	70	130	4.520	13.4	20	

Sample ID: **25081492-018ADUP**	SampType: **DUP**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217076**
Client ID: **BatchQC**	Batch ID: **87172**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/18/2025**	SeqNo: **5815588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_441

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87172**

Sample ID: **25081492-018ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217076**
Client ID: **BatchQC** Batch ID: **87172** TestNo: **E903.0** **E903-904** Analysis Date: **9/18/2025** SeqNo: **5815588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	0.15	1.00						0	0	20	
Yield	0.340							1.000	98.5	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_442

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87178**

Sample ID: **MB-87178**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217179**
Client ID: **BatchQC**	Batch ID: **87178**	TestNo: **E904.0**	**E903-904**	Analysis Date: **9/22/2025**	SeqNo: **5790136**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-87178**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217179**
Client ID: **BatchQC**	Batch ID: **87178**	TestNo: **E904.0**	**E903-904**	Analysis Date: **9/22/2025**	SeqNo: **5790137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.88	1.00	5.000	0	77.6	50	130				
Yield	1.00			0	0						

Sample ID: **LCSD-87178**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217179**
Client ID: **BatchQC**	Batch ID: **87178**	TestNo: **E904.0**	**E903-904**	Analysis Date: **9/22/2025**	SeqNo: **5790138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.60	1.00	5.000	0	72.0	50	130	3.880	7.49	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_443

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87178**

Sample ID: **25081580-001ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **9/11/2025** RunNo: **217196**
Client ID: **BatchQC** Batch ID: **87178** TestNo: **E903.0** **E903-904** Analysis Date: **9/23/2025** SeqNo: **5790550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	30	
Yield	1.00							1.000	0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_444

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87178**

Sample ID: **MB-87178**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217196**
Client ID: **BatchQC**	Batch ID: **87178**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/23/2025**	SeqNo: **5790531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-87178**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217196**
Client ID: **BatchQC**	Batch ID: **87178**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/23/2025**	SeqNo: **5790532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	4.87	1.00	5.000	0	97.4	70	130				

Sample ID: **LCSD-87178**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **9/11/2025**	RunNo: **217196**
Client ID: **BatchQC**	Batch ID: **87178**	TestNo: **E903.0**	**E903-904**	Analysis Date: **9/23/2025**	SeqNo: **5790533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.15	1.00	5.000	0	103	70	130	4.870	5.59	20	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_445

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87463**

Sample ID: **MB-87463**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **9/23/2025**	RunNo: **217938**
Client ID: **BatchQC**	Batch ID: **87463**	TestNo: **E904.0**	**E903-904**	Analysis Date: **10/1/2025**	SeqNo: **5809972**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-87463**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **9/23/2025**	RunNo: **217938**
Client ID: **BatchQC**	Batch ID: **87463**	TestNo: **E904.0**	**E903-904**	Analysis Date: **10/1/2025**	SeqNo: **5809973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.36	1.00	5.000	0	67.2	50	130				QLR
Yield	1.00			0	0						

Sample ID: **LCSD-87463**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **9/23/2025**	RunNo: **217938**
Client ID: **BatchQC**	Batch ID: **87463**	TestNo: **E904.0**	**E903-904**	Analysis Date: **10/1/2025**	SeqNo: **5809974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	5.26	1.00	5.000	0	105	50	130	3.360	44.1	20	R
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_446

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87463**

Sample ID: **25082041-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/23/2025** RunNo: **217938**
Client ID: **BatchQC** Batch ID: **87463** TestNo: **E904.0** **E903-904** Analysis Date: **10/1/2025** SeqNo: **5809984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	R
Yield	1.00			0	0			1.000	0		

Sample ID: **25082041-002ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/23/2025** RunNo: **217938**
Client ID: **BatchQC** Batch ID: **87463** TestNo: **E904.0** **E903-904** Analysis Date: **10/1/2025** SeqNo: **5809986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

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QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_447

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87531**

Sample ID: **MB-87531** SampType: **MBLK** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/24/2025** RunNo: **218111**
Client ID: **BatchQC** Batch ID: **87531** TestNo: **E904.0** **E903-904** Analysis Date: **10/3/2025** SeqNo: **5815454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	1.00			0	0						

Sample ID: **LCS-87531** SampType: **LCS** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/24/2025** RunNo: **218111**
Client ID: **BatchQC** Batch ID: **87531** TestNo: **E904.0** **E903-904** Analysis Date: **10/3/2025** SeqNo: **5815455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	5.84	1.00	5.000	0	117	50	130				QLR
Yield	1.00			0	0						

Sample ID: **LCSD-87531** SampType: **LCSD** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/24/2025** RunNo: **218111**
Client ID: **BatchQC** Batch ID: **87531** TestNo: **E904.0** **E903-904** Analysis Date: **10/3/2025** SeqNo: **5815456**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.77	1.00	5.000	0	75.4	50	130	5.840	43.1	20	R
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25081497**

07-Oct-25

SC_448

Client: TEKLAB Inc,
Project: 25080110 **BatchID:** **87531**

Sample ID: **25082268-001ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **9/24/2025** RunNo: **218111**
Client ID: **BatchQC** Batch ID: **87531** TestNo: **E904.0** **E903-904** Analysis Date: **10/3/2025** SeqNo: **5815469**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	0.13	1.00		0	0			0	0	20	
Yield	1.00			0	0			1.000	0		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode				

Original

Pg 1 of 2 2508497

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Client QC Level: 2

Comments: **Please Issue reports and invoices via email only**
SHIP to ATG-Akron. Please analyze for Radium 226/228 per your usual methods.
Any changes to analysis/methods must be approved by Teklab, Inc. Batch QC is required.

Project# 25080110

Contact: Shelly Hennessy Email: shennessy@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 39206
Phone: (618) 344-1004 ext. State of Sample Origin = IL

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226/228											
						Pb	Pb	Pb						Cl	Cl	Cl
	25080110-001	8/12/25 1332	HNO3	Groundwater	✓	1	1	1						18	28	12
	25080110-002	8/12/25 1155	HNO3	Groundwater	✓	1	1	1						34	34	24
	25080110-003	8/12/25 1226	HNO3	Groundwater	✓	1	1	1						28	20	30
	25080110-004	8/12/25 1258	HNO3	Groundwater	✓	1	1	1						30	24	30
	25080110-005	8/12/25 1040	HNO3	Groundwater	✓	1	1	1						30	22	30
	25080110-006	8/12/25 0956	HNO3	Groundwater	✓	1	1	1						30	32	32
	25080110-007	8/12/25 1120	HNO3	Groundwater	✓	1	1	1						36	34	18
	25080110-008	8/13/25 0956	HNO3	Groundwater	✓	1	1	1						18	32	24
	25080110-009	8/13/25 1214	HNO3	Groundwater	✓	1	1	1						22	44	38
	25080110-010	8/13/25 1031	HNO3	Groundwater	✓	5	5	1						22	32	20
	25080110-011	8/13/25 1132	HNO3	Groundwater	✓	4	4	4						40	48	22

*Relinquished By	Date/Time	Received By	Date/Time
Linda Walls		(UPS)	8/19/25 10:15AM

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

24.9 - 0.1 = 24.8

SC_449

TEKLAB, INC. Chain of Custody

25081497

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_450

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Client QC Level: 2

Comments: **Please Issue reports and invoices via email only**
SHIP to ATG-Akron. Please analyze for Radium 226/228 per your usual methods.
Any changes to analysis/methods must be approved by Teklab, Inc. Batch QC is required.

Project# 25080110

Contact: Shelly Hennessy Email: shennessy@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 39206
Phone: (618) 344-1004 ext. State of Sample Origin = IL

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Radium 226/228											
	25080110-012	8/12/25 1044	HNO3	Groundwater	✓	1	1	1						18	20	22
	25080110-013	8/12/25 1127	HNO3	Groundwater	✓	1	1	1						26	26	42
	25080110-014	8/13/25 0953	HNO3	Groundwater	✓	1	1	1						22	14	28
	25080110-015	8/13/25 1054	HNO3	Groundwater	✓	1	1	1						26	26	14
	25080110-016	8/12/25 1316	HNO3	Groundwater	✓	1	1	1						10	36	22
	25080110-017	8/12/25 1220	HNO3	Groundwater	✓	1	1	1						42	36	28
	25080110-018	8/13/25 1135	HNO3	Groundwater	✓	1	1	1						34	28	30
	25080110-019	8/13/25 1100	HNO3	Groundwater	✓	1	1	1						20	32	34
	25080110-020	8/13/25 1026	HNO3	Groundwater	✓	1	1	1						22	38	26
	25080110-021	8/12/25 1102	HNO3	Groundwater	✓	1	4	1						24	22	28
	25080110-022	8/12/25 1152	HNO3	Groundwater	✓	1	1	1						18	20	28

*Relinquished By	Date/Time	Received By	Date/Time
Undra Oralls		(VTS)	8/19/25 10:15am

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

24.9 - 0.1 = 24.8

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **25081497** RcptNo: **1**

Logged by:	**Spencer M. Hartwell**	**8/19/2025 10:15:00 AM**	Spencer M. Hartwell
Completed By:	**Spencer M. Hartwell**	**8/20/2025 11:04:05 AM**	Spencer M. Hartwell
Reviewed By:	**Jennifer Woolf**	**8/21/2025 8:31:45 PM**	Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐ NA ☐
   No. Seal Date: 8/15/2025 Signed By:
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☐ No ☑
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:
    combined also? : include per client email

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	24.8	Good	Yes	4443	8/15/2025	
2	24.8	Good	Yes	4444	8/15/2025	

APPENDIX C-4:

Fourth Quarter 2025
Laboratory Analytical Report and Field Notes

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **25081497** RcptNo: **1**

3	24.8	Good	Yes	4497	8/15/2025	

January 13, 2026

Eric Staley
City Water, Light & Power
3100 Stevenson Drive
2nd Floor Maintenance Building
Springfield, IL 62712
TEL: (217) 757-8610
FAX: (217) 757-8615

Illinois	100226
Kansas	E-10374
Kansas	E-10438
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ash Pond Monitoring Wells **WorkOrder:** 25110404

Dear Eric Staley:

TEKLAB, INC received 22 samples on 11/13/2025 4:30:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004
SHennessy@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	34
Chain of Custody	Appended

Client: City Water, Light & Power **Work Order:** 25110404

Client Project: Ash Pond Monitoring Wells **Report Date:** 13-Jan-26

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25110404
Report Date: 13-Jan-26

Cooler Receipt Temp: 17.5 °C

An employee of Teklab, Inc. collected the sample(s).

A15S and A15D are not required this quarter per Eric Staley. SAH 11/12/25

Radium-226 & -228 analysis was performed by Alliance Technical Group. See attached report for results.

Locations

Collinsville
Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville
Address 120 United Drive
Collinsville, IL 62234-7433
Phone (618) 344-1004
Fax
Email jhriley@teklabinc.com

Springfield
Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City
Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air
Address 120 United Drive
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago
Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2027	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10438	NELAP	7/31/2026	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2026	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2026	Collinsville
Oklahoma	ODEQ	9978	NELAP	1/31/2026	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2026	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2026	Collinsville
Kentucky	KWLCP	KY98006		12/31/2026	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2026	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-001
Client Sample ID: RW-3
Matrix: GROUNDWATER
Collection Date: 11/12/2025 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.49**	ft	1	11/12/2025 13:56	R374970
Depth to water	*	-5.00		**10.78**	ft	1	11/12/2025 13:56	R374970
Depth to water from measuring point	*	0		**13.48**	ft	1	11/12/2025 13:56	R374970
Elevation of groundwater surface	*	0		**526.02**	ft	1	11/12/2025 13:56	R374970
Measuring Point Elevation	*	0		**539.50**	ft	1	11/12/2025 13:56	R374970
Measuring Point Height Above Land Surface	*	0		**2.70**	ft	1	11/12/2025 13:56	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**130**	NTU	1	11/12/2025 13:56	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.8**	°F	1	11/12/2025 13:56	R374970
SW-846 9040B								
pH, Field	*	1.00		**7.09**		1	11/12/2025 13:56	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**780**	µmhos/cm @25C	1	11/12/2025 13:56	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**454**	mg/L	1	11/17/2025 14:23	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/13/2025 16:25	R374691
Chloride	NELAP	5.00		**27.1**	mg/L	10	11/13/2025 16:25	R374691
Sulfate	NELAP	10.0		**ND**	mg/L	10	11/13/2025 16:25	R374691
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**167**	µg/L	1	11/18/2025 10:15	247867
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/18/2025 10:15	247867
Boron	NELAP	20.0		**160**	µg/L	1	11/18/2025 10:15	247867
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/18/2025 10:15	247867
Calcium	NELAP	0.100	B	**71.1**	mg/L	1	11/18/2025 10:15	247867
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:15	247867
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:15	247867
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/18/2025 10:15	247867
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/18/2025 10:15	247867
Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**3.9**	µg/L	5	11/14/2025 19:26	247867
Arsenic	NELAP	1.0		**108**	µg/L	5	11/13/2025 20:27	247867
Lithium	*	3.0		**5.7**	µg/L	5	11/14/2025 19:26	247867
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/13/2025 20:27	247867
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/14/2025 19:26	247867
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/14/2025 19:04	247892
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.38**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.080**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-001
Client Sample ID: RW-3
Matrix: GROUNDWATER
Collection Date: 11/12/2025 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228 Uncertainty	*	0		**0.30**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-002
Client Sample ID: AP-1
Matrix: GROUNDWATER
Collection Date: 11/13/2025 14:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**504.29**	ft	1	11/13/2025 14:25	R374970
Depth to water	*	-5.00		**9.62**	ft	1	11/13/2025 14:25	R374970
Depth to water from measuring point	*	0		**11.89**	ft	1	11/13/2025 14:25	R374970
Elevation of groundwater surface	*	0		**523.48**	ft	1	11/13/2025 14:25	R374970
Measuring Point Elevation	*	0		**535.37**	ft	1	11/13/2025 14:25	R374970
Measuring Point Height Above Land Surface	*	0		**2.27**	ft	1	11/13/2025 14:25	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**15**	NTU	1	11/13/2025 14:25	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**60.6**	°F	1	11/13/2025 14:25	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.86**		1	11/13/2025 14:25	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2140**	µmhos/cm @25C	1	11/13/2025 14:25	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1590**	mg/L	1	11/18/2025 10:51	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/16/2025 21:25	R374783
Chloride	NELAP	5.00		**51.8**	mg/L	10	11/16/2025 21:25	R374783
Sulfate	NELAP	10.0		**828**	mg/L	10	11/16/2025 21:25	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**248**	µg/L	1	11/17/2025 11:59	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 11:59	247986
Boron	NELAP	200		**21400**	µg/L	10	11/19/2025 16:50	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 11:59	247986
Calcium	NELAP	0.100		**251**	mg/L	1	11/17/2025 11:59	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 11:59	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 11:59	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 11:59	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 11:59	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:39	247986
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:39	247986
Lithium	*	3.0		**8.6**	µg/L	5	11/18/2025 13:43	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:39	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 13:43	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:06	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.44**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.10**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439
Radium-228 Uncertainty	*	0		**0.34**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-003
Client Sample ID: AP-2
Matrix: GROUNDWATER
Collection Date: 11/12/2025 13:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.77**	ft	1	11/12/2025 13:54	R374970
Depth to water	*	-5.00		**7.12**	ft	1	11/12/2025 13:54	R374970
Depth to water from measuring point	*	0		**9.62**	ft	1	11/12/2025 13:54	R374970
Elevation of groundwater surface	*	0		**526.48**	ft	1	11/12/2025 13:54	R374970
Measuring Point Elevation	*	0		**536.10**	ft	1	11/12/2025 13:54	R374970
Measuring Point Height Above Land Surface	*	0		**2.50**	ft	1	11/12/2025 13:54	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**20**	NTU	1	11/12/2025 13:54	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**61.6**	°F	1	11/12/2025 13:54	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.55**		1	11/12/2025 13:54	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1740**	µmhos/cm @25C	1	11/12/2025 13:54	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1190**	mg/L	1	11/17/2025 14:23	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/13/2025 16:38	R374691
Chloride	NELAP	5.00		**37.0**	mg/L	10	11/13/2025 16:38	R374691
Sulfate	NELAP	10.0		**389**	mg/L	10	11/13/2025 16:38	R374691
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**74.9**	µg/L	1	11/18/2025 10:17	247867
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/18/2025 10:17	247867
Boron	NELAP	20.0		**3150**	µg/L	1	11/18/2025 10:17	247867
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/18/2025 10:17	247867
Calcium	NELAP	0.100	B	**213**	mg/L	1	11/18/2025 10:17	247867
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:17	247867
Cobalt	NELAP	5.0		**7.8**	µg/L	1	11/18/2025 10:17	247867
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/18/2025 10:17	247867
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/18/2025 10:17	247867
Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**2.1**	µg/L	5	11/14/2025 19:32	247867
Arsenic	NELAP	1.0		**1.4**	µg/L	5	11/13/2025 20:32	247867
Lithium	*	3.0		**6.1**	µg/L	5	11/14/2025 19:32	247867
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/13/2025 20:32	247867
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/14/2025 19:32	247867
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/14/2025 19:06	247892
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.38**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.080**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-003
Client Sample ID: AP-2
Matrix: GROUNDWATER
Collection Date: 11/12/2025 13:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228 Uncertainty	*	0		**0.30**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-004
Client Sample ID: AP-3
Matrix: GROUNDWATER
Collection Date: 11/12/2025 13:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**514.45**	ft	1	11/12/2025 13:17	R374970
Depth to water	*	-5.00		**7.33**	ft	1	11/12/2025 13:17	R374970
Depth to water from measuring point	*	0		**9.88**	ft	1	11/12/2025 13:17	R374970
Elevation of groundwater surface	*	0		**525.37**	ft	1	11/12/2025 13:17	R374970
Measuring Point Elevation	*	0		**535.25**	ft	1	11/12/2025 13:17	R374970
Measuring Point Height Above Land Surface	*	0		**2.55**	ft	1	11/12/2025 13:17	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**6.1**	NTU	1	11/12/2025 13:17	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**62.9**	°F	1	11/12/2025 13:17	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.93**		1	11/12/2025 13:17	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1740**	µmhos/cm @25C	1	11/12/2025 13:17	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1310**	mg/L	1	11/17/2025 14:23	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/13/2025 16:50	R374691
Chloride	NELAP	5.00		**70.8**	mg/L	10	11/13/2025 16:50	R374691
Sulfate	NELAP	10.0		**588**	mg/L	10	11/13/2025 16:50	R374691
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**117**	µg/L	1	11/18/2025 10:46	247867
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/18/2025 10:46	247867
Boron	NELAP	20.0		**18000**	µg/L	1	11/18/2025 10:46	247867
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/18/2025 10:46	247867
Calcium	NELAP	0.100	B	**192**	mg/L	1	11/18/2025 10:46	247867
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:46	247867
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:46	247867
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/18/2025 10:46	247867
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/18/2025 10:46	247867
Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**1.5**	µg/L	5	11/14/2025 19:37	247867
Arsenic	NELAP	1.0		**13.5**	µg/L	5	11/13/2025 20:38	247867
Lithium	*	3.0		**6.2**	µg/L	5	11/14/2025 19:37	247867
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/13/2025 20:38	247867
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/14/2025 19:37	247867
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/14/2025 19:13	247892
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.40**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.070**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-004
Client Sample ID: AP-3
Matrix: GROUNDWATER
Collection Date: 11/12/2025 13:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228 Uncertainty	*	0		**0.33**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-005
Client Sample ID: AP-4
Matrix: GROUNDWATER
Collection Date: 11/13/2025 13:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**495.19**	ft	1	11/13/2025 13:43	R374970
Depth to water	*	-5.00		**9.80**	ft	1	11/13/2025 13:43	R374970
Depth to water from measuring point	*	0		**12.94**	ft	1	11/13/2025 13:43	R374970
Elevation of groundwater surface	*	0		**542.66**	ft	1	11/13/2025 13:43	R374970
Measuring Point Elevation	*	0		**555.60**	ft	1	11/13/2025 13:43	R374970
Measuring Point Height Above Land Surface	*	0		**3.14**	ft	1	11/13/2025 13:43	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**62**	NTU	1	11/13/2025 13:43	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**64.0**	°F	1	11/13/2025 13:43	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.76**		1	11/13/2025 13:43	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**914**	µmhos/cm @25C	1	11/13/2025 13:43	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**532**	mg/L	1	11/18/2025 10:51	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/16/2025 21:37	R374783
Chloride	NELAP	5.00		**12.8**	mg/L	10	11/16/2025 21:37	R374783
Sulfate	NELAP	10.0		**ND**	mg/L	10	11/16/2025 21:37	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**417**	µg/L	1	11/17/2025 11:59	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 11:59	247986
Boron	NELAP	20.0		**91.4**	µg/L	1	11/17/2025 11:59	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 11:59	247986
Calcium	NELAP	0.100		**128**	mg/L	1	11/17/2025 11:59	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 11:59	247986
Cobalt	NELAP	5.0		**6.7**	µg/L	1	11/20/2025 15:22	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 11:59	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 11:59	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:44	247986
Arsenic	NELAP	1.0		**21.9**	µg/L	5	11/18/2025 3:44	247986
Lithium	*	3.0		**9.0**	µg/L	5	11/18/2025 13:49	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:44	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 13:49	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:08	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.47**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.13**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439
Radium-228 Uncertainty	*	0		**0.34**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-006
Client Sample ID: AP-5
Matrix: GROUNDWATER
Collection Date: 11/13/2025 13:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**552.63**	ft	1	11/13/2025 13:04	R374970
Depth to water	*	-5.00		**18.32**	ft	1	11/13/2025 13:04	R374970
Depth to water from measuring point	*	0		**20.62**	ft	1	11/13/2025 13:04	R374970
Elevation of groundwater surface	*	0		**563.28**	ft	1	11/13/2025 13:04	R374970
Measuring Point Elevation	*	0		**583.90**	ft	1	11/13/2025 13:04	R374970
Measuring Point Height Above Land Surface	*	0		**2.30**	ft	1	11/13/2025 13:04	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**1.9**	NTU	1	11/13/2025 13:04	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.6**	°F	1	11/13/2025 13:04	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.83**		1	11/13/2025 13:04	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**788**	µmhos/cm @25C	1	11/13/2025 13:04	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**498**	mg/L	1	11/18/2025 10:51	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/16/2025 21:50	R374783
Chloride	NELAP	5.00		**9.78**	mg/L	10	11/16/2025 21:50	R374783
Sulfate	NELAP	10.0		**70.9**	mg/L	10	11/16/2025 21:50	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**60.4**	µg/L	1	11/17/2025 12:00	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 12:00	247986
Boron	NELAP	20.0		**38.6**	µg/L	1	11/17/2025 12:00	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 12:00	247986
Calcium	NELAP	0.100		**109**	mg/L	1	11/17/2025 12:00	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 12:00	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 12:00	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 12:00	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 12:00	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:50	247986
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:50	247986
Lithium	*	3.0		**4.1**	µg/L	5	11/18/2025 13:54	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:50	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 13:54	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:11	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.37**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.040**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439
Radium-228 Uncertainty	*	0		**0.33**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-007
Client Sample ID: AP-6
Matrix: GROUNDWATER
Collection Date: 11/13/2025 12:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**498.20**	ft	1	11/13/2025 12:58	R374970
Depth to water	*	-5.00		**8.91**	ft	1	11/13/2025 12:58	R374970
Depth to water from measuring point	*	0		**11.33**	ft	1	11/13/2025 12:58	R374970
Elevation of groundwater surface	*	0		**526.49**	ft	1	11/13/2025 12:58	R374970
Measuring Point Elevation	*	0		**537.82**	ft	1	11/13/2025 12:58	R374970
Measuring Point Height Above Land Surface	*	0		**2.42**	ft	1	11/13/2025 12:58	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**2.6**	NTU	1	11/13/2025 12:58	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**61.6**	°F	1	11/13/2025 12:58	R374970
SW-846 9040B								
pH, Field	*	1.00		**7.06**		1	11/13/2025 12:58	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**737**	µmhos/cm @25C	1	11/13/2025 12:58	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**450**	mg/L	1	11/18/2025 11:02	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**0.53**	mg/L	10	11/16/2025 22:28	R374783
Chloride	NELAP	5.00		**38.0**	mg/L	10	11/16/2025 22:28	R374783
Sulfate	NELAP	10.0		**ND**	mg/L	10	11/16/2025 22:28	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**199**	µg/L	1	11/17/2025 15:58	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 15:58	247986
Boron	NELAP	20.0		**272**	µg/L	1	11/17/2025 15:58	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 15:58	247986
Calcium	NELAP	0.100		**69.8**	mg/L	1	11/17/2025 15:58	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 15:58	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 15:58	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 15:58	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 15:58	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:55	247986
Arsenic	NELAP	1.0		**11.2**	µg/L	5	11/18/2025 3:55	247986
Lithium	*	3.0		**7.5**	µg/L	5	11/18/2025 14:00	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 3:55	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 14:00	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:13	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.41**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.070**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439
Radium-228 Uncertainty	*	0		**0.34**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-008
Client Sample ID: AP-7
Matrix: GROUNDWATER
Collection Date: 11/13/2025 12:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**496.50**	ft	1	11/13/2025 12:19	R374970
Depth to water	*	-5.00		**11.26**	ft	1	11/13/2025 12:19	R374970
Depth to water from measuring point	*	0		**13.92**	ft	1	11/13/2025 12:19	R374970
Elevation of groundwater surface	*	0		**525.10**	ft	1	11/13/2025 12:19	R374970
Measuring Point Elevation	*	0		**539.02**	ft	1	11/13/2025 12:19	R374970
Measuring Point Height Above Land Surface	*	0		**2.66**	ft	1	11/13/2025 12:19	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**59**	NTU	1	11/13/2025 12:19	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.4**	°F	1	11/13/2025 12:19	R374970
SW-846 9040B								
pH, Field	*	1.00		**7.06**		1	11/13/2025 12:19	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**903**	µmhos/cm @25C	1	11/13/2025 12:19	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**522**	mg/L	1	11/18/2025 11:03	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**0.53**	mg/L	10	11/16/2025 22:41	R374783
Chloride	NELAP	5.00		**88.5**	mg/L	10	11/16/2025 22:41	R374783
Sulfate	NELAP	10.0		**ND**	mg/L	10	11/16/2025 22:41	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**152**	µg/L	1	11/17/2025 15:58	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 15:58	247986
Boron	NELAP	20.0		**475**	µg/L	1	11/17/2025 15:58	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 15:58	247986
Calcium	NELAP	0.100	S	**55.9**	mg/L	1	11/17/2025 15:58	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 15:58	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 15:58	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 15:58	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 15:58	247986
Matrix spike control limits for CA are not applicable due to high sample/spike ratio.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:25	247986
Arsenic	NELAP	1.0		**18.2**	µg/L	5	11/18/2025 5:25	247986
Lithium	*	3.0		**10.3**	µg/L	5	11/18/2025 13:04	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:25	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 13:04	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:15	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.41**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.070**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-008
Client Sample ID: AP-7
Matrix: GROUNDWATER
Collection Date: 11/13/2025 12:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228 Uncertainty	*	0		**0.34**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-009
Client Sample ID: AP-8
Matrix: GROUNDWATER
Collection Date: 11/13/2025 13:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**497.60**	ft	1	11/13/2025 13:53	R374970
Depth to water	*	-5.00		**6.58**	ft	1	11/13/2025 13:53	R374970
Depth to water from measuring point	*	0		**9.48**	ft	1	11/13/2025 13:53	R374970
Elevation of groundwater surface	*	0		**527.72**	ft	1	11/13/2025 13:53	R374970
Measuring Point Elevation	*	0		**537.20**	ft	1	11/13/2025 13:53	R374970
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	11/13/2025 13:53	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**13**	NTU	1	11/13/2025 13:53	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**60.7**	°F	1	11/13/2025 13:53	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.11**		1	11/13/2025 13:53	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1160**	µmhos/cm @25C	1	11/13/2025 13:53	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**550**	mg/L	1	11/18/2025 11:03	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/16/2025 22:53	R374783
Chloride	NELAP	5.00		**24.2**	mg/L	10	11/16/2025 22:53	R374783
Sulfate	NELAP	10.0		**ND**	mg/L	10	11/16/2025 22:53	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**373**	µg/L	1	11/17/2025 16:01	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:01	247986
Boron	NELAP	20.0		**82.1**	µg/L	1	11/17/2025 16:01	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:01	247986
Calcium	NELAP	0.100		**103**	mg/L	1	11/17/2025 16:01	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:01	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:01	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:01	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:01	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:41	247986
Arsenic	NELAP	1.0		**37.2**	µg/L	5	11/18/2025 4:41	247986
Lithium	*	3.0		**6.5**	µg/L	5	11/18/2025 14:05	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:41	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 14:05	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:18	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.59**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**1.4**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.16**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439
Radium-228 Uncertainty	*	0		**0.43**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-010
Client Sample ID: AP-9
Matrix: GROUNDWATER
Collection Date: 11/13/2025 9:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.70**	ft	1	11/13/2025 9:38	R374970
Depth to water	*	-5.00		**11.09**	ft	1	11/13/2025 9:38	R374970
Depth to water from measuring point	*	0		**14.19**	ft	1	11/13/2025 9:38	R374970
Elevation of groundwater surface	*	0		**526.11**	ft	1	11/13/2025 9:38	R374970
Measuring Point Elevation	*	0		**540.30**	ft	1	11/13/2025 9:38	R374970
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	11/13/2025 9:38	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.8**	NTU	1	11/13/2025 9:38	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.0**	°F	1	11/13/2025 9:38	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.57**		1	11/13/2025 9:38	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1070**	µmhos/cm @25C	1	11/13/2025 9:38	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**614**	mg/L	1	11/18/2025 11:03	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/16/2025 23:06	R374783
Chloride	NELAP	5.00		**25.5**	mg/L	10	11/16/2025 23:06	R374783
Sulfate	NELAP	10.0		**15.5**	mg/L	10	11/16/2025 23:06	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**437**	µg/L	1	11/17/2025 16:01	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:01	247986
Boron	NELAP	20.0		**98.5**	µg/L	1	11/17/2025 16:01	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:01	247986
Calcium	NELAP	0.100		**111**	mg/L	1	11/17/2025 16:01	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:01	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:01	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:01	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:01	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:46	247986
Arsenic	NELAP	1.0		**1.6**	µg/L	5	11/18/2025 4:46	247986
Lithium	*	3.0		**5.9**	µg/L	5	11/18/2025 14:11	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:46	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 14:11	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:20	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Combined 226/228 Uncertainty	*	0		**0.42**	+/-	1	12/19/2025 11:15	R377436
Radium-226	*	1.0		**ND**	pci/L	1	12/19/2025 11:15	R377436
Radium-226 Uncertainty	*	0		**0.11**	+/-	1	12/19/2025 11:15	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 11:20	R377439
Radium-228 Uncertainty	*	0		**0.31**	+/-	1	01/02/2026 11:20	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-011
Client Sample ID: AP10
Matrix: GROUNDWATER
Collection Date: 11/12/2025 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**499.43**	ft	1	11/12/2025 14:32	R374970
Depth to water	*	-5.00		**4.63**	ft	1	11/12/2025 14:32	R374970
Depth to water from measuring point	*	0		**7.73**	ft	1	11/12/2025 14:32	R374970
Elevation of groundwater surface	*	0		**529.77**	ft	1	11/12/2025 14:32	R374970
Measuring Point Elevation	*	0		**537.50**	ft	1	11/12/2025 14:32	R374970
Measuring Point Height Above Land Surface	*	0		**3.10**	ft	1	11/12/2025 14:32	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**4.7**	NTU	1	11/12/2025 14:32	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.8**	°F	1	11/12/2025 14:32	R374970
SW-846 9040B								
pH, Field	*	1.00		**5.37**		1	11/12/2025 14:32	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1470**	µmhos/cm @25C	1	11/12/2025 14:32	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**834**	mg/L	1	11/17/2025 14:38	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/13/2025 17:03	R374691
Chloride	NELAP	5.00		**25.9**	mg/L	10	11/13/2025 17:03	R374691
Sulfate	NELAP	10.0		**90.8**	mg/L	10	11/13/2025 17:03	R374691
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**601**	µg/L	1	11/18/2025 10:48	247867
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/18/2025 10:48	247867
Boron	NELAP	20.0		**3880**	µg/L	1	11/18/2025 10:48	247867
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/18/2025 10:48	247867
Calcium	NELAP	0.100	B	**141**	mg/L	1	11/18/2025 10:48	247867
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:48	247867
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/18/2025 10:48	247867
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/18/2025 10:48	247867
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/18/2025 10:48	247867
Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.								
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**1.1**	µg/L	5	11/14/2025 19:43	247867
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	11/13/2025 20:44	247867
Lithium	*	3.0		**8.2**	µg/L	5	11/14/2025 19:43	247867
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/13/2025 20:44	247867
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/14/2025 19:43	247867
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/14/2025 19:16	247892
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.55**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**1.0**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.14**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-011
Client Sample ID: AP10
Matrix: GROUNDWATER
Collection Date: 11/12/2025 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 903.0/904.0, RADIUM 226/228								
Radium-228 Uncertainty	*	0		**0.41**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-012
Client Sample ID: AP11
Matrix: GROUNDWATER
Collection Date: 11/13/2025 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.15**	ft	1	11/13/2025 9:40	R374970
Depth to water	*	-5.00		**12.78**	ft	1	11/13/2025 9:40	R374970
Depth to water from measuring point	*	0		**15.58**	ft	1	11/13/2025 9:40	R374970
Elevation of groundwater surface	*	0		**522.52**	ft	1	11/13/2025 9:40	R374970
Measuring Point Elevation	*	0		**538.10**	ft	1	11/13/2025 9:40	R374970
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	11/13/2025 9:40	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**8.4**	NTU	1	11/13/2025 9:40	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.9**	°F	1	11/13/2025 9:40	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.79**		1	11/13/2025 9:40	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1270**	µmhos/cm @25C	1	11/13/2025 9:40	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**694**	mg/L	1	11/18/2025 11:03	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/16/2025 23:18	R374783
Chloride	NELAP	5.00		**113**	mg/L	10	11/16/2025 23:18	R374783
Sulfate	NELAP	10.0		**68.9**	mg/L	10	11/16/2025 23:18	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**120**	µg/L	1	11/17/2025 16:02	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:02	247986
Boron	NELAP	20.0		**276**	µg/L	1	11/17/2025 16:02	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:02	247986
Calcium	NELAP	0.100		**133**	mg/L	1	11/17/2025 16:02	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:02	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:02	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:02	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:02	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:52	247986
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:52	247986
Lithium	*	3.0		**4.9**	µg/L	5	11/18/2025 14:16	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:52	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 14:16	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:22	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.34**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.050**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.29**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-013
Client Sample ID: AP12
Matrix: GROUNDWATER
Collection Date: 11/13/2025 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**510.30**	ft	1	11/13/2025 11:04	R374970
Depth to water	*	-5.00		**15.34**	ft	1	11/13/2025 11:04	R374970
Depth to water from measuring point	*	0		**18.24**	ft	1	11/13/2025 11:04	R374970
Elevation of groundwater surface	*	0		**522.46**	ft	1	11/13/2025 11:04	R374970
Measuring Point Elevation	*	0		**540.70**	ft	1	11/13/2025 11:04	R374970
Measuring Point Height Above Land Surface	*	0		**2.90**	ft	1	11/13/2025 11:04	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**15**	NTU	1	11/13/2025 11:04	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**57.2**	°F	1	11/13/2025 11:04	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.74**		1	11/13/2025 11:04	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1730**	µmhos/cm @25C	1	11/13/2025 11:04	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1150**	mg/L	1	11/18/2025 11:03	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 0:09	R374783
Chloride	NELAP	5.00		**115**	mg/L	10	11/17/2025 0:09	R374783
Sulfate	NELAP	10.0		**395**	mg/L	10	11/17/2025 0:09	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**52.5**	µg/L	1	11/17/2025 16:06	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:06	247986
Boron	NELAP	20.0		**24.9**	µg/L	1	11/17/2025 16:06	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:06	247986
Calcium	NELAP	0.100		**193**	mg/L	1	11/17/2025 16:06	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:06	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:06	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:06	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:06	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:57	247986
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:57	247986
Lithium	*	3.0		**6.2**	µg/L	5	11/18/2025 15:18	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 4:57	247986
Thallium	NELAP	2.0		**2.7**	µg/L	5	11/18/2025 15:18	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:25	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.38**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.050**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.33**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-014
Client Sample ID: AP13
Matrix: GROUNDWATER
Collection Date: 11/13/2025 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**511.00**	ft	1	11/13/2025 11:40	R374970
Depth to water	*	-5.00		**16.64**	ft	1	11/13/2025 11:40	R374970
Depth to water from measuring point	*	0		**20.04**	ft	1	11/13/2025 11:40	R374970
Elevation of groundwater surface	*	0		**521.96**	ft	1	11/13/2025 11:40	R374970
Measuring Point Elevation	*	0		**542.00**	ft	1	11/13/2025 11:40	R374970
Measuring Point Height Above Land Surface	*	0		**3.40**	ft	1	11/13/2025 11:40	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**11**	NTU	1	11/13/2025 11:40	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.9**	°F	1	11/13/2025 11:40	R374970
SW-846 9040B								
pH, Field	*	1.00		**5.22**		1	11/13/2025 11:40	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**982**	µmhos/cm @25C	1	11/13/2025 11:40	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**580**	mg/L	1	11/18/2025 12:42	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 0:22	R374783
Chloride	NELAP	5.00		**26.3**	mg/L	10	11/17/2025 0:22	R374783
Sulfate	NELAP	10.0		**120**	mg/L	10	11/17/2025 0:22	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**120**	µg/L	1	11/17/2025 16:07	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:07	247986
Boron	NELAP	20.0		**25.7**	µg/L	1	11/17/2025 16:07	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:07	247986
Calcium	NELAP	0.100		**115**	mg/L	1	11/17/2025 16:07	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:07	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:07	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:07	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:07	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:03	247986
Arsenic	NELAP	1.0		**1.8**	µg/L	5	11/18/2025 5:03	247986
Lithium	*	3.0		**11.4**	µg/L	5	11/18/2025 15:23	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:03	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 15:23	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:27	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.40**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.10**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.30**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-015
Client Sample ID: AP14
Matrix: GROUNDWATER
Collection Date: 11/13/2025 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**508.40**	ft	1	11/13/2025 13:14	R374970
Depth to water	*	-5.00		**1.93**	ft	1	11/13/2025 13:14	R374970
Depth to water from measuring point	*	0		**4.73**	ft	1	11/13/2025 13:14	R374970
Elevation of groundwater surface	*	0		**534.87**	ft	1	11/13/2025 13:14	R374970
Measuring Point Elevation	*	0		**539.60**	ft	1	11/13/2025 13:14	R374970
Measuring Point Height Above Land Surface	*	0		**2.80**	ft	1	11/13/2025 13:14	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**11**	NTU	1	11/13/2025 13:14	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**59.6**	°F	1	11/13/2025 13:14	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.24**		1	11/13/2025 13:14	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2430**	µmhos/cm @25C	1	11/13/2025 13:14	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1900**	mg/L	1	11/18/2025 12:42	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 0:35	R374783
Chloride	NELAP	5.00		**120**	mg/L	10	11/17/2025 0:35	R374783
Sulfate	NELAP	10.0		**1040**	mg/L	10	11/17/2025 0:35	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**48.6**	µg/L	1	11/17/2025 16:08	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:08	247986
Boron	NELAP	200		**20800**	µg/L	10	11/19/2025 16:51	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:08	247986
Calcium	NELAP	0.100		**317**	mg/L	1	11/17/2025 16:08	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:08	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:08	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:08	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:08	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:08	247986
Arsenic	NELAP	1.0		**1.7**	µg/L	5	11/18/2025 5:08	247986
Lithium	*	3.0		**8.0**	µg/L	5	11/18/2025 15:29	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:08	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 15:29	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:34	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.63**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.090**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**1.5**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.54**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-016
Client Sample ID: T-01
Matrix: GROUNDWATER
Collection Date: 11/13/2025 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**512.70**	ft	1	11/13/2025 12:21	R374970
Depth to water	*	-5.00		**14.55**	ft	1	11/13/2025 12:21	R374970
Depth to water from measuring point	*	0		**14.88**	ft	1	11/13/2025 12:21	R374970
Elevation of groundwater surface	*	0		**520.77**	ft	1	11/13/2025 12:21	R374970
Measuring Point Elevation	*	0		**535.65**	ft	1	11/13/2025 12:21	R374970
Measuring Point Height Above Land Surface	*	0		**0.33**	ft	1	11/13/2025 12:21	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**18**	NTU	1	11/13/2025 12:21	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.3**	°F	1	11/13/2025 12:21	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.54**		1	11/13/2025 12:21	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1810**	µmhos/cm @25C	1	11/13/2025 12:21	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1020**	mg/L	1	11/18/2025 12:42	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 0:47	R374783
Chloride	NELAP	5.00		**253**	mg/L	10	11/17/2025 0:47	R374783
Sulfate	NELAP	10.0		**169**	mg/L	10	11/17/2025 0:47	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**62.1**	µg/L	1	11/17/2025 16:09	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:09	247986
Boron	NELAP	20.0		**175**	µg/L	1	11/17/2025 16:09	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:09	247986
Calcium	NELAP	0.100		**164**	mg/L	1	11/17/2025 16:09	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:09	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:09	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:09	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:09	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:19	247986
Arsenic	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:19	247986
Lithium	*	3.0		**17.6**	µg/L	5	11/18/2025 15:34	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 5:19	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 15:34	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 14:41	247982
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.41**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.050**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.36**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-017
Client Sample ID: T-02
Matrix: GROUNDWATER
Collection Date: 11/13/2025 10:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**515.18**	ft	1	11/13/2025 10:17	R374970
Depth to water	*	-5.00		**25.63**	ft	1	11/13/2025 10:17	R374970
Depth to water from measuring point	*	0		**28.03**	ft	1	11/13/2025 10:17	R374970
Elevation of groundwater surface	*	0		**521.59**	ft	1	11/13/2025 10:17	R374970
Measuring Point Elevation	*	0		**549.62**	ft	1	11/13/2025 10:17	R374970
Measuring Point Height Above Land Surface	*	0		**2.40**	ft	1	11/13/2025 10:17	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**5.1**	NTU	1	11/13/2025 10:17	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**54.5**	°F	1	11/13/2025 10:17	R374970
SW-846 9040B								
pH, Field	*	1.00		**4.89**		1	11/13/2025 10:17	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**2310**	µmhos/cm @25C	1	11/13/2025 10:17	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1370**	mg/L	1	11/18/2025 12:42	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 1:00	R374783
Chloride	NELAP	5.00		**427**	mg/L	10	11/17/2025 1:00	R374783
Sulfate	NELAP	10.0		**90.0**	mg/L	10	11/17/2025 1:00	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**193**	µg/L	1	11/17/2025 16:09	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:09	247986
Boron	NELAP	20.0		**48.7**	µg/L	1	11/17/2025 16:09	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:09	247986
Calcium	NELAP	0.100		**209**	mg/L	1	11/17/2025 16:09	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:09	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:09	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:09	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:09	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 15:40	247986
Arsenic	NELAP	1.0		**7.3**	µg/L	5	11/18/2025 15:40	247986
Lithium	*	3.0		**31.0**	µg/L	5	11/18/2025 15:40	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 15:40	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 15:40	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 18:31	247984
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.56**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.11**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.45**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-018
Client Sample ID: T-04
Matrix: GROUNDWATER
Collection Date: 11/13/2025 10:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**521.52**	ft	1	11/13/2025 10:27	R374970
Depth to water	*	-5.00		**17.70**	ft	1	11/13/2025 10:27	R374970
Depth to water from measuring point	*	0		**20.08**	ft	1	11/13/2025 10:27	R374970
Elevation of groundwater surface	*	0		**528.86**	ft	1	11/13/2025 10:27	R374970
Measuring Point Elevation	*	0		**548.94**	ft	1	11/13/2025 10:27	R374970
Measuring Point Height Above Land Surface	*	0		**2.38**	ft	1	11/13/2025 10:27	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**3.6**	NTU	1	11/13/2025 10:27	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**56.8**	°F	1	11/13/2025 10:27	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.43**		1	11/13/2025 10:27	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**545**	µmhos/cm @25C	1	11/13/2025 10:27	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**372**	mg/L	1	11/18/2025 13:01	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 1:13	R374783
Chloride	NELAP	5.00		**ND**	mg/L	10	11/17/2025 1:13	R374783
Sulfate	NELAP	10.0		**77.9**	mg/L	10	11/17/2025 1:13	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**38.2**	µg/L	1	11/17/2025 16:10	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:10	247986
Boron	NELAP	20.0		**42.6**	µg/L	1	11/17/2025 16:10	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:10	247986
Calcium	NELAP	0.100		**65.8**	mg/L	1	11/17/2025 16:10	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:10	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:10	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:10	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:10	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:31	247986
Arsenic	NELAP	1.0		**3.0**	µg/L	5	11/18/2025 16:31	247986
Lithium	*	3.0		**13.6**	µg/L	5	11/18/2025 16:31	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:31	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 16:31	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 18:33	247984
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.48**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.070**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.41**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-019
Client Sample ID: T-05
Matrix: GROUNDWATER
Collection Date: 11/13/2025 11:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**518.32**	ft	1	11/13/2025 11:01	R374970
Depth to water	*	-5.00		**11.48**	ft	1	11/13/2025 11:01	R374970
Depth to water from measuring point	*	0		**13.99**	ft	1	11/13/2025 11:01	R374970
Elevation of groundwater surface	*	0		**526.67**	ft	1	11/13/2025 11:01	R374970
Measuring Point Elevation	*	0		**540.66**	ft	1	11/13/2025 11:01	R374970
Measuring Point Height Above Land Surface	*	0		**2.51**	ft	1	11/13/2025 11:01	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**6.0**	NTU	1	11/13/2025 11:01	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**62.2**	°F	1	11/13/2025 11:01	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.64**		1	11/13/2025 11:01	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**726**	µmhos/cm @25C	1	11/13/2025 11:01	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**496**	mg/L	1	11/18/2025 13:01	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 1:25	R374783
Chloride	NELAP	5.00		**ND**	mg/L	10	11/17/2025 1:25	R374783
Sulfate	NELAP	10.0		**87.4**	mg/L	10	11/17/2025 1:25	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**76.2**	µg/L	1	11/17/2025 16:11	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:11	247986
Boron	NELAP	20.0		**106**	µg/L	1	11/17/2025 16:11	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:11	247986
Calcium	NELAP	0.100		**99.4**	mg/L	1	11/17/2025 16:11	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:11	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:11	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:11	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:11	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:36	247986
Arsenic	NELAP	1.0		**2.2**	µg/L	5	11/18/2025 16:36	247986
Lithium	*	3.0		**15.5**	µg/L	5	11/18/2025 16:36	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:36	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 16:36	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 18:36	247984
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.46**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.080**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.38**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-020
Client Sample ID: T-06
Matrix: GROUNDWATER
Collection Date: 11/13/2025 11:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**494.70**	ft	1	11/13/2025 11:32	R374970
Depth to water	*	-5.00		**9.62**	ft	1	11/13/2025 11:32	R374970
Depth to water from measuring point	*	0		**11.98**	ft	1	11/13/2025 11:32	R374970
Elevation of groundwater surface	*	0		**526.34**	ft	1	11/13/2025 11:32	R374970
Measuring Point Elevation	*	0		**538.32**	ft	1	11/13/2025 11:32	R374970
Measuring Point Height Above Land Surface	*	0		**2.36**	ft	1	11/13/2025 11:32	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**35**	NTU	1	11/13/2025 11:32	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**57.8**	°F	1	11/13/2025 11:32	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.76**		1	11/13/2025 11:32	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**940**	µmhos/cm @25C	1	11/13/2025 11:32	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**558**	mg/L	1	11/18/2025 13:01	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 1:38	R374783
Chloride	NELAP	5.00		**19.8**	mg/L	10	11/17/2025 1:38	R374783
Sulfate	NELAP	10.0		**ND**	mg/L	10	11/17/2025 1:38	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**305**	µg/L	1	11/17/2025 16:12	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:12	247986
Boron	NELAP	20.0		**214**	µg/L	1	11/17/2025 16:12	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:12	247986
Calcium	NELAP	0.100		**97.7**	mg/L	1	11/17/2025 16:12	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:12	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:12	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:12	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:12	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:42	247986
Arsenic	NELAP	1.0		**14.5**	µg/L	5	11/18/2025 16:42	247986
Lithium	*	3.0		**10.5**	µg/L	5	11/18/2025 16:42	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:42	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 16:42	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 18:38	247984
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.51**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.13**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.38**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-021
Client Sample ID: AW-1
Matrix: GROUNDWATER
Collection Date: 11/13/2025 13:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**500.79**	ft	1	11/13/2025 13:47	R374970
Depth to water	*	-5.00		**16.51**	ft	1	11/13/2025 13:47	R374970
Depth to water from measuring point	*	0		**19.26**	ft	1	11/13/2025 13:47	R374970
Elevation of groundwater surface	*	0		**536.34**	ft	1	11/13/2025 13:47	R374970
Measuring Point Elevation	*	0		**555.60**	ft	1	11/13/2025 13:47	R374970
Measuring Point Height Above Land Surface	*	0		**2.75**	ft	1	11/13/2025 13:47	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**9.8**	NTU	1	11/13/2025 13:47	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**58.7**	°F	1	11/13/2025 13:47	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.62**		1	11/13/2025 13:47	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1360**	µmhos/cm @25C	1	11/13/2025 13:47	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	20		**1120**	mg/L	1	11/18/2025 13:01	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 1:51	R374783
Chloride	NELAP	5.00		**38.2**	mg/L	10	11/17/2025 1:51	R374783
Sulfate	NELAP	10.0		**403**	mg/L	10	11/17/2025 1:51	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**218**	µg/L	1	11/17/2025 16:12	247986
Beryllium	NELAP	0.5		**< 0.5**	µg/L	1	11/17/2025 16:12	247986
Boron	NELAP	20.0		**9670**	µg/L	1	11/17/2025 16:12	247986
Cadmium	NELAP	2.0		**< 2.0**	µg/L	1	11/17/2025 16:12	247986
Calcium	NELAP	0.100		**209**	mg/L	1	11/17/2025 16:12	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:12	247986
Cobalt	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:12	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:12	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:12	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:47	247986
Arsenic	NELAP	1.0		**130**	µg/L	5	11/18/2025 16:47	247986
Lithium	*	3.0		**10.5**	µg/L	5	11/18/2025 16:47	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:47	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 16:47	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/18/2025 18:40	247984
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.45**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**ND**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.090**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**ND**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.36**	+/-	1	01/02/2026 13:47	R377439

Client: City Water, Light & Power
Work Order: 25110404
Client Project: Ash Pond Monitoring Wells
Report Date: 13-Jan-26
Lab ID: 25110404-022
Client Sample ID: G120
Matrix: GROUNDWATER
Collection Date: 11/13/2025 10:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS								
Bottom of well elevation	*	0		**502.73**	ft	1	11/13/2025 10:22	R374970
Depth to water	*	-5.00		**20.72**	ft	1	11/13/2025 10:22	R374970
Depth to water from measuring point	*	0		**20.72**	ft	1	11/13/2025 10:22	R374970
Elevation of groundwater surface	*	0		**532.38**	ft	1	11/13/2025 10:22	R374970
Measuring Point Elevation	*	0		**553.10**	ft	1	11/13/2025 10:22	R374970
Measuring Point Height Above Land Surface	*	0		**0**	ft	1	11/13/2025 10:22	R374970
STANDARD METHODS 2130 B FIELD								
Turbidity	*	1.0		**39**	NTU	1	11/13/2025 10:22	R374970
STANDARD METHODS 2550 B FIELD								
Temperature	*	0		**59.9**	°F	1	11/13/2025 10:22	R374970
SW-846 9040B								
pH, Field	*	1.00		**6.67**		1	11/13/2025 10:22	R374970
SW-846 9050A								
Spec. Conductance, Field	*	1.00		**1750**	µmhos/cm @25C	1	11/13/2025 10:22	R374970
STANDARD METHODS 2540 C (TOTAL) 2020								
Total Dissolved Solids	NELAP	25		**1500**	mg/L	1.25	11/18/2025 13:01	R374847
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY								
Fluoride	NELAP	0.50		**ND**	mg/L	10	11/17/2025 2:03	R374783
Chloride	NELAP	5.00		**38.3**	mg/L	10	11/17/2025 2:03	R374783
Sulfate	NELAP	10.0		**578**	mg/L	10	11/17/2025 2:03	R374783
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Barium	NELAP	2.5		**1350**	µg/L	1	11/17/2025 16:17	247986
Beryllium	NELAP	0.5		**0.6**	µg/L	1	11/17/2025 16:17	247986
Boron	NELAP	20.0		**8230**	µg/L	1	11/17/2025 16:17	247986
Cadmium	NELAP	2.0		**2.0**	µg/L	1	11/17/2025 16:17	247986
Calcium	NELAP	0.100		**287**	mg/L	1	11/17/2025 16:17	247986
Chromium	NELAP	5.0		**< 5.0**	µg/L	1	11/17/2025 16:17	247986
Cobalt	NELAP	5.0		**5.1**	µg/L	1	11/17/2025 16:17	247986
Lead	NELAP	7.5		**< 7.5**	µg/L	1	11/17/2025 16:17	247986
Molybdenum	NELAP	10.0		**< 10.0**	µg/L	1	11/17/2025 16:17	247986
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)								
Antimony	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:53	247986
Arsenic	NELAP	1.0		**12.8**	µg/L	5	11/18/2025 16:53	247986
Lithium	*	3.0		**9.5**	µg/L	5	11/18/2025 16:53	247986
Selenium	NELAP	1.0		**< 1.0**	µg/L	5	11/18/2025 16:53	247986
Thallium	NELAP	2.0		**< 2.0**	µg/L	5	11/18/2025 16:53	247986
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.20		**< 0.20**	µg/L	1	11/19/2025 11:36	247984
EPA 903.0/904.0, RADIUM 226/228								
Combined 226/228	*	2.0		**5.9**	pci/L	1	01/06/2026 8:26	R377436
Combined 226/228 Uncertainty	*	0		**0.88**	+/-	1	01/06/2026 8:26	R377436
Radium-226	*	1.0		**3.9**	pci/L	1	01/06/2026 8:26	R377436
Radium-226 Uncertainty	*	0		**0.26**	+/-	1	01/06/2026 8:26	R377436
Radium-228	*	1.0		**1.9**	pci/L	1	01/02/2026 13:47	R377439
Radium-228 Uncertainty	*	0		**0.62**	+/-	1	01/02/2026 13:47	R377439

Receiving Check List

http://www.teklabinc.com/

Client: City Water, Light & Power
Client Project: Ash Pond Monitoring Wells

Work Order: 25110404
Report Date: 13-Jan-26

Carrier: Justin Colp

Completed by: Emily Kossakoski
On: 12-Nov-25
Emily Kossakoski

Received By: KTM

Reviewed by: Shelly A Hennessy
On: 14-Nov-25
Shelly A. Hennessy

Pages to follow: Chain of custody 3 Extra pages included 62

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **17.5**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Additonal cooler temperature 4.3C. EK 11/12/2025

pH strip #104524. - KTM/ekossakoski - 11/12/2025 4:54:38 PM

Additional nitric acid (107106) was needed for 1 of 3 RW3 1L and 2 of 3 AP10 1L upon arrival at the laboratory. - KTM/ekossakoski - 11/12/2025 4:58:51 PM

Samples were received on 11/13/25 at 16:30 on ice [temp9.1C, 9.9C, 4.1C, 4.7C, 0.7C - LTG#5]. pH# 104524. Additional nitric acid (107106) was needed for G120 upon arrival at the laboratory. - lhenson - 11/14/2025 7:35:27 AM

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CHAIN OF CUSTODY

Pg 1 of 3 Workorder # 25110404

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 1.5, 4.3 °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY #9
LAB NOTES: PW 10.324. Added HNO3 (1.0 mL) to RW3 & AP10. RTM 11.12.25 1 of 3 2 of 3

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring-to be reported electronically
-001/-003 collection times corrected. SAH 11/24/25

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Bret Gillihan

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID		Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Combined Radium	Field Turbidity
25110404-001	RW-3	13:56	11-12-25 1222	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
002	AP-1			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
003	AP-2		11-12-25 1357	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
004	AP-3	13:54	11-12-25 1317	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
005	AP-4			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
006	AP-5			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
007	AP-6			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
008	AP-7			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
009	AP-8			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
010	AP-9			Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔
011	AP10		11-12-25 1432	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔

Relinquished By	Date/Time	Received By	Date/Time
J. Colp	11-12-25 1610	[signature]	11-12-25 16:10

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 1 of 3 Workorder # 25110404

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

9.1, 9.9, 4.1

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 4.7, 0.7 °C 5
Preserved in: [X] LAB [X] FIELD FOR LAB USE ONLY
LAB NOTES: PW 104524
added HNO3 (D7106) to G120 LH 11/14/25

Are these samples known to be involved in litigation? If yes, a surcharge will apply: [ ] Yes [✓] No
Are these samples known to be hazardous? [ ] Yes [✓] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: [✓] Yes [ ] No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Li Se Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring-to be reported electronically

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Brett Gillihan

RESULTS REQUESTED
[✓] Standard [ ] 1-2 Day (100% Surcharge)
[ ] Other _____ [ ] 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers: UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	INDICATE ANALYSIS REQUESTED: Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Combined Radium	Field Turbidity
25110404-001	RW-3		Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
002	AP-1	11-13-25 1425	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
003	AP-2		Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
004	AP-3		Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
005	AP-4	11-13-25 1343	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
006	AP-5	11-13-25 1304	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
007	AP-6	11-13-25 1258	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
008	AP-7	11-13-25 1219	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
009	AP-8	11-13-25 1353	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
010	AP-9	11-13-25 958	Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓
011	AP10		Groundwater	1	4								✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date/Time	Received By	Date/Time
Allen Tarque	11-13-25 1630		11/13/25 1630

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

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CHAIN OF CUSTODY

Pg 2 of 3 Workorder # 25110404

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_490

Client: City Water, Light & Power
Address: 3100 Stevenson Drive, 2nd Floor Maintenance Building
City/State/Zip: Springfield IL 62712
Contact: Eric Staley Phone: (217) 757-8610
Email: eric.staley@cwlp.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☑ No
Are these samples known to be hazardous? ☐ Yes ☑ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☑ Yes ☐ No Permit on file

Client Comments:
*elevations, pH, conductivity, temperature
**Sb As Se Li Tl (ICPMS) Ba Be B Cd Ca Cr Co Pb Hg Mo
Quarterly monitoring-to be reported electronically

PROJECT NAME/NUMBER
Ash Pond Monitoring Wells

SAMPLE COLLECTOR'S NAME
Bret Gillihan

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers									INDICATE ANALYSIS REQUESTED												
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Field parameters*	Cl F SO4 TDS (T)	Metals (T)**	Radium-226	Radium-228	Combined Radium	Field Turbidity							
25110404-012	AP11	11-13-25 940	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
013	AP12	11-13-25 1104	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
014	AP13	11-13-25 1140	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
015	AP14	11-13-25 1314	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
016	T-01	11-13-25 1221	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
017	T-02	11-13-25 1017	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
018	T-04	11-13-25 1027	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
019	T-05	11-13-25 1101	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
020	T-06	11-13-25 1132	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
021	AW-1	11-13-25 1347	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							
022	G120	11-13-25 1022	Groundwater	1	4								✔	✔	✔	✔	✔	✔	✔							

Relinquished By	Date/Time	Received By	Date/Time
Allen Lampe	11-13-25 1630		11/13/25 1630

*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	RW-3
Project Location:	Springfield, IL	**Sample ID:**	001
W.O. Number (s):	25111404	**Date (s):**	11/12/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.

Name: Affiliation:

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/12/25 1:25 PM

Static Water Level: 13.48 feet below TOC

Total Depth: 44.01 feet below TOC

Water Column: 30.53 feet

Purging Activities

Purged By: JC Purge Date: 11/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 30.53 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 11.00 L

Physical appearance of purge water: Slightly cloudy Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:09	0.0	234	purge start time						
13:14	1.2	↓	7.10	773.80	14.96	1.12	-151.50	55.45	
13:17	1.9		7.08	776.00	14.95	0.84	-157.90	234.71	
13:20	2.6		7.08	777.30	14.98	0.69	-158.00	281.63	
13:23	3.3		7.08	777.10	15.10	0.61	-157.00	324.88	
13:26	4.0		7.08	777.70	15.26	0.60	-155.80	259.88	
13:29	4.7		7.08	778.50	15.30	0.57	-155.60	266.15	
13:32	5.4		7.08	778.30	15.19	0.54	-154.80	129.46	
13:35	6.1		7.08	778.60	15.19	0.53	-154.60	283.82	
13:38	6.8		7.08	778.80	15.06	0.50	-154.20	217.75	
13:41	7.5		7.08	778.20	15.04	0.48	-153.70	235.75	
13:44	8.2		7.08	778.90	15.02	0.47	-153.20	94.02	
13:47	8.9		7.09	779.20	14.97	0.46	-152.40	164.96	
13:50	9.6		7.09	779.20	14.92	0.45	-152.30	218.71	
13:53	10.3		7.09	779.50	14.90	0.45	-152.00	136.71	
13:56	11.0		7.09	780.10	14.87	0.44	-151.20	134.35	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/12/2025 13:56

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 7.09 pH 780.10 Spec. Cond. 14.87 Temp

Field Filtered: Yes Filter Type: Inline Disposable

Water Level: 19.89 feet below TOC Drawdown: 6.41 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp **Date:** 11/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-1
Project Location:	Springfield, IL	**Sample ID:**	002
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 2:07 PM

Static Water Level: 11.89 feet below TOC

Total Depth: 31.08 feet below TOC

Water Column: 19.19 feet

Purging Activities

Purged By: DC Purge Date: 11/13/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 19.19 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:07	0.0	222	purge start time						
14:13	1.3	↓	5.00	2,031.90	15.99	1.23	28.30	28.52	
14:16	2.0		4.94	2,086.10	16.08	1.08	11.30	30.88	
14:19	2.7		4.91	2,102.40	16.02	1.00	3.60	21.62	
14:22	3.3		4.88	2,129.40	16.01	0.97	-0.20	19.21	
14:25	4.0		4.86	2,144.80	15.87	0.94	-1.80	15.06	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2025 14:25

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 4.86 pH 2,144.80 Spec. Cond. 15.87 Temp

Field Filtered: No Filter Type:

Water Level: 12.41 feet below TOC Drawdown: 0.52 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan **Date:** 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: AP-2
Sample ID: 003
Date (s): 11/12/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/12/25 1:34 PM
Static Water Level: 9.62 feet below TOC
Total Depth: 21.33 feet below TOC
Water Column: 11.71 feet

Purging Activities

Purged By: DC Purge Date: 11/12/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.71 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:34	0.0	225	purge start time						
13:42	1.8	↓	4.68	1,733.80	16.61	0.89	61.50	13.17	
13:45	2.5		4.63	1,736.10	16.61	0.79	62.70	11.55	
13:48	3.2		4.60	1,737.90	16.57	0.74	63.70	17.91	
13:51	3.8		4.58	1,739.40	16.54	0.69	64.70	16.91	
13:54	4.5		4.55	1,743.00	16.47	0.68	65.90	19.54	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12/2025 13:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 4.55 pH 1,743.00 Spec. Cond. 16.47 Temp
Field Filtered: No Filter Type:
Water Level: 9.83 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan Date: 11/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-3
Project Location:	Springfield, IL	**Sample ID:**	004
W.O. Number (s):	25111404	**Date (s):**	11/12/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/12/25 12:57 PM

Static Water Level: 9.88 feet below TOC

Total Depth: 20.80 feet below TOC

Water Column: 10.92 feet

Purging Activities

Purged By: DC Purge Date: 11/12/2025

Purge Method: Bladder Pump Well Diameter: 2"

Purge Volume Calculation (L): 10.92 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:57	0.0	225	purge start time						
13:02	1.1	↓	5.12	1,730.20	17.22	1.36	30.80	12.88	
13:05	1.8		5.04	1,732.80	17.19	1.23	23.90	11.58	
13:08	2.5		4.99	1,734.00	17.18	1.12	20.10	9.14	
13:11	3.2		4.96	1,738.00	17.16	1.05	17.00	7.83	
13:14	3.8		4.94	1,739.20	17.20	0.99	14.20	7.23	
13:17	4.5		4.93	1,739.90	17.14	0.96	12.40	6.06	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/12//25 13:17

Sample Method: Low Flow Sample Equipment: Bladder Pump

Sample Parameters: 4.93 pH 1,739.90 Spec. Cond. 17.14 Temp

Field Filtered: No Filter Type:

Water Level: 10.03 feet below TOC Drawdown: 0.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan Date: 11/12//25

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: AP-4
Sample ID: 005
Date (s): 11/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 63 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 1:21 PM
Static Water Level: 12.94 feet below TOC
Total Depth: 60.41 feet below TOC
Water Column: 47.47 feet

Purging Activities

Purged By: JC — Purge Date: 11/13/2025
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 47.47 ft. x 0.022 = 1.04 L x 3 Vol. = 3.12 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy — Odor: Slight — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	250	purge start time						
13:28	1.3	↓	6.75	905.60	17.85	1.61	-106.10	52.63	
13:31	2.0		6.75	909.50	17.85	1.06	-115.10	75.35	
13:34	2.8		6.75	911.50	17.83	0.80	-119.60	71.05	
13:37	3.5		6.76	912.60	17.75	0.67	-122.10	64.61	
13:40	4.3		6.76	913.00	17.76	0.58	-123.70	60.51	
13:43	5.0		6.76	913.50	17.78	0.54	-124.70	61.69	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/13/2025 13:43
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH — 913.50 Spec. Cond. — 17.78 Temp
Field Filtered: No — Filter Type:
Water Level: 12.97 feet below TOC — Drawdown: 0.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-5
Project Location:	Springfield, IL	**Sample ID:**	006
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: — Affiliation:

Weather Conditions

Temp: 61 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 12:43 PM

Static Water Level: 20.62 feet below TOC

Total Depth: 31.27 feet below TOC

Water Column: 10.65 feet

Purging Activities

Purged By: JC — Purge Date: 11/13/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 10.65 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 5.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:45	0.0	263	purge start time						
12:52	1.8	↓	6.84	771.30	14.76	2.40	40.30	3.95	
12:55	2.6		6.83	770.90	14.81	1.93	44.10	3.33	
12:58	3.4		6.83	776.70	14.80	1.73	46.60	3.35	
13:01	4.2		6.83	782.70	14.79	1.66	48.90	2.89	
13:04	5.0		6.83	787.70	14.80	1.55	51.10	1.89	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/13/2025 13:04

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 6.83 pH — 787.70 Spec. Cond. — 14.80 Temp

Field Filtered: No — Filter Type:

Water Level: 21.42 feet below TOC — Drawdown: 0.80 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-6
Project Location:	Springfield, IL	**Sample ID:**	007
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Drew Nieters — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 12:39 PM

Static Water Level: 11.33 feet below TOC

Total Depth: 39.62 feet below TOC

Water Column: 28.29 feet

Purging Activities

Purged By: AL — Purge Date: 11/13/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 28.29 ft. x 0.022 = 0.62 L x 3 Vol. = 1.86 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.00 L

Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:39	0.0	158	purge start time						
12:49	1.6	↓	7.12	724.40	15.40	4.40	-6.80	8.81	
12:52	2.1		7.09	730.70	15.95	3.78	-8.00	4.16	
12:55	2.5		7.07	734.80	16.26	3.33	-9.10	3.34	
12:58	3.0		7.06	737.00	16.42	3.01	-10.00	2.58	

Sampling Activities

Sampled By: DN — Sample Date/Time: 11/13/2025 12:58

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.06 pH — 737.00 Spec. Cond. — 16.42 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 12.67 feet below TOC — Drawdown: 1.34 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

Form Completed By: A Nieters — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-7
Project Location:	Springfield, IL	**Sample ID:**	008
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: — Affiliation:

Weather Conditions

Temp: 58 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 11:48 AM

Static Water Level: 13.92 feet below TOC

Total Depth: 42.52 feet below TOC

Water Column: 28.60 feet

Purging Activities

Purged By: JC — Purge Date: 11/13/2025

Purge Method: Bladder Pump — Well Diameter: 2"

Purge Volume Calculation (L): 28.6 ft. x 0.022 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 7.00 L

Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:50	0.0	241	purge start time						
11:55	1.2	↓	6.97	859.30	13.99	0.98	-129.30	22.99	
11:58	1.9		6.97	852.90	13.91	0.68	-122.90	51.63	
12:01	2.7		6.98	854.90	13.86	0.55	-120.00	79.92	
12:04	3.4		6.99	857.60	13.82	0.48	-119.70	86.97	
12:07	4.1		7.00	864.30	13.79	0.43	-119.20	74.99	
12:10	4.8		7.02	875.90	13.76	0.39	-118.10	60.19	
12:13	5.6		7.04	893.80	13.76	0.37	-112.00	54.55	
12:16	6.3		7.05	900.30	13.63	0.36	-108.20	53.70	
12:19	7.0		7.06	903.40	13.56	0.34	-105.90	59.02	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/13/2025 12:19

Sample Method: Low Flow — Sample Equipment: Bladder Pump

Sample Parameters: 7.06 pH — 903.40 Spec. Cond. — 13.56 Temp

Field Filtered: No — Filter Type:

Water Level: 23.18 feet below TOC — Drawdown: 9.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp — **Date:** 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: AP-8
Sample ID: 009
Date (s): 11/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 1:34 PM
Static Water Level: 9.48 feet below TOC
Total Depth: 39.60 feet below TOC
Water Column: 30.12 feet

Purging Activities

Purged By: DC Purge Date: 11/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 30.12 ft. x 0.022 = 0.66 L x 3 Vol. = 1.98 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:34	0.0	211	purge start time						
13:41	1.5	↓	6.22	1,172.60	16.22	1.40	12.50	8.46	
13:44	2.1		6.18	1,168.60	16.06	1.12	-6.30	9.36	
13:47	2.7		6.14	1,169.60	16.18	1.03	-13.80	11.59	
13:50	3.4		6.12	1,166.20	16.00	0.91	-17.00	15.11	
13:53	4.0		6.11	1,163.80	15.92	0.86	-18.90	13.07	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2025 13:53
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.11 pH 1,163.80 Spec. Cond. 15.92 Temp
Field Filtered: No Filter Type:
Water Level: 9.88 feet below TOC Drawdown: 0.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan Date: 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: AP-9
Sample ID: 010
Date (s): 11/13/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 47 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 9:18 AM
Static Water Level: 14.19 feet below TOC
Total Depth: 39.60 feet below TOC
Water Column: 25.41 feet

Purging Activities

Purged By: JC Purge Date: 11/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 25.41 ft. x 0.022 = 0.56 L x 3 Vol. = 1.68 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:22	0.0	281	purge start time						
9:26	1.1	↓	6.50	1,103.90	14.43	1.68	-78.40	2.94	
9:29	2.0		6.53	1,069.10	14.53	1.23	-87.80	2.98	
9:32	2.8		6.55	1,066.80	14.40	1.03	-92.00	3.36	
9:35	3.7		6.57	1,065.20	14.48	0.92	-94.50	3.71	
9:38	4.5		6.57	1,065.60	14.42	0.83	-95.30	3.82	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/13/2025 9:38
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.57 pH 1,065.60 Spec. Cond. 14.42 Temp
Field Filtered: No Filter Type:
Water Level: 17.64 feet below TOC Drawdown: 3.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-10
Project Location:	Springfield, IL	**Sample ID:**	011
W.O. Number (s):	25111404	**Date (s):**	11/12/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☐ S ☑ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/12/25 2:07 PM

Static Water Level: 7.73 feet below TOC

Total Depth: 38.07 feet below TOC

Water Column: 30.34 feet

Purging Activities

Purged By: DC — Purge Date: 11/12/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 30.34 ft. x 0.022 = 0.67 L x 3 Vol. = 2.01 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.50 L

Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:07	0.0	180	purge start time						
14:19	2.2	↓	5.50	1,474.80	15.20	1.61	-17.30	6.94	
14:22	2.7		5.40	1,474.70	15.23	1.38	-44.30	4.68	
14:25	3.2		5.39	1,475.50	15.23	1.25	-54.80	5.74	
14:28	3.8		5.38	1,474.50	15.10	1.17	-60.90	4.55	
14:31	4.3		5.37	1,468.10	14.87	0.95	-65.70	4.74	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/12/2025 14:32

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 5.37 pH — 1,468.10 Spec. Cond. — 14.87 Temp

Field Filtered: No — Filter Type:

Water Level: 7.74 feet below TOC — Drawdown: 0.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan — **Date:** 11/12/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-11
Project Location:	Springfield, IL	**Sample ID:**	012
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 47 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 9:20 AM

Static Water Level: 15.58 feet below TOC

Total Depth: 22.95 feet below TOC

Water Column: 7.37 feet

Purging Activities

Purged By: DC — Purge Date: 11/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 7.37 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:20	0.0	200	purge start time						
9:28	1.6	↓	5.06	1,269.00	13.56	1.92	61.70	10.29	
9:31	2.2		4.95	1,265.30	13.53	1.63	57.50	9.15	
9:34	2.8		4.89	1,263.20	13.55	1.52	55.60	8.41	
9:37	3.4		4.83	1,264.60	13.66	1.32	54.70	8.29	
9:40	4.0		4.79	1,267.20	13.83	1.21	54.20	8.42	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/13/2025 9:40

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 4.79 pH — 1,267.20 Spec. Cond. — 13.83 Temp

Field Filtered: No — Filter Type:

Water Level: 15.62 feet below TOC — Drawdown: 0.04 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-12
Project Location:	Springfield, IL	**Sample ID:**	013
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 10:44 AM

Static Water Level: 18.24 feet below TOC

Total Depth: 30.40 feet below TOC

Water Column: 12.16 feet

Purging Activities

Purged By: DC — Purge Date: 11/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 12.16 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:44	0.0	200	purge start time						
10:52	1.6	↓	4.89	1,723.00	13.90	1.37	103.70	15.93	
10:55	2.2		4.82	1,725.80	13.95	1.17	89.50	16.32	
10:58	2.8		4.78	1,729.70	14.04	1.06	79.80	17.31	
11:01	3.4		4.75	1,732.10	14.04	0.99	73.00	17.89	
11:04	4.0		4.74	1,731.90	14.01	0.96	68.00	14.66	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/13/2025 11:04

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 4.74 pH — 1,731.90 Spec. Cond. — 14.01 Temp

Field Filtered: No — Filter Type:

Water Level: 18.59 feet below TOC — Drawdown: 0.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-13
Project Location:	Springfield, IL	**Sample ID:**	014
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.

Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 11:21 AM

Static Water Level: 20.04 feet below TOC

Total Depth: 31.00 feet below TOC

Water Column: 10.96 feet

Purging Activities

Purged By: DC Purge Date: 11/13/2025

Purge Method: Peristaltic Pump Well Diameter: 2"

Purge Volume Calculation (L): 10.96 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:21	0.0	211	purge start time						
11:28	1.5	↓	5.50	992.10	14.01	1.22	57.80	17.60	
11:31	2.1		5.37	985.70	13.97	1.01	48.90	17.12	
11:34	2.7		5.31	983.90	13.90	0.92	43.80	13.04	
11:37	3.4		5.26	981.80	13.88	0.88	41.20	11.54	
11:40	4.0		5.22	981.60	13.86	0.85	39.30	10.81	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2025 11:40

Sample Method: Low Flow Sample Equipment: Peristaltic Pump

Sample Parameters: 5.32 pH 1,778.80 Spec. Cond. 14.81 Temp

Field Filtered: No Filter Type:

Water Level: 20.23 feet below TOC Drawdown: 0.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AP-14
Project Location:	Springfield, IL	**Sample ID:**	015
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 12:58 PM

Static Water Level: 4.73 feet below TOC

Total Depth: 31.20 feet below TOC

Water Column: 26.47 feet

Purging Activities

Purged By: DC — Purge Date: 11/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 26.47 ft. x 0.022 = 0.58 L x 3 Vol. = 1.74 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:58	0.0	250	purge start time						
13:02	1.0	↓	6.54	2,343.50	15.76	1.48	100.60	7.88	
13:05	1.8		6.32	2,404.80	15.50	1.14	96.50	10.68	
13:08	2.5		6.26	2,426.70	15.55	1.01	91.00	10.78	
13:11	3.3		6.24	2,426.70	15.45	0.92	86.10	6.63	
13:14	4.0		6.24	2,428.40	15.32	0.87	81.70	10.77	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/13/2025 13:14

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.24 pH — 2,428.40 Spec. Cond. — 15.32 Temp

Field Filtered: No — Filter Type:

Water Level: 5.72 feet below TOC — Drawdown: 0.99 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan — **Date:** 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: T-1
Sample ID: 016
Date (s): 11/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing		X
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 11:59 AM
Static Water Level: 14.88 feet below TOC
Total Depth: 22.95 feet below TOC
Water Column: 8.07 feet

Purging Activities

Purged By: DC Purge Date: 11/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.07 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:59	0.0	182	purge start time						
12:09	1.8	↓	4.55	1,799.20	15.01	1.33	90.40	22.53	
12:12	2.4		4.56	1,808.20	15.04	1.16	92.50	18.66	
12:15	2.9		4.56	1,806.40	14.67	1.09	94.50	19.13	
12:18	3.5		4.55	1,802.50	14.55	1.05	96.30	19.30	
12:21	4.0		4.54	1,805.40	14.61	1.01	98.00	18.23	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/13/2025 12:21
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 4.54 pH 1,805.40 Spec. Cond. 14.61 Temp
Field Filtered: No Filter Type:
Water Level: 15.00 feet below TOC Drawdown: 0.12 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-2
Project Location:	Springfield, IL	**Sample ID:**	017
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.

Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 50 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Yes	No
Well Pad	Good	**Locks**		
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 10:03 AM

Static Water Level: 28.03 feet below TOC

Total Depth: 34.44 feet below TOC

Water Column: 6.41 feet

Purging Activities

Purged By: DC — Purge Date: 11/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 6.41 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 4.00 L

Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:03	0.0	286	purge start time						
10:06	0.9	↓	5.04	2,305.20	12.48	1.82	-2.60	10.05	
10:09	1.7		4.88	2,310.90	12.45	1.45	-14.60	6.50	
10:12	2.6		4.88	2,311.30	12.46	1.28	-22.50	5.82	
10:15	3.4		4.88	2,310.50	12.50	1.17	-28.30	5.41	
10:18	4.3		4.89	2,309.10	12.51	1.12	-32.80	5.12	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/13/2025 10:17

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 4.89 pH — 2,309.10 Spec. Cond. — 12.51 Temp

Field Filtered: No — Filter Type:

Water Level: 28.36 feet below TOC — Drawdown: 0.33 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 223358

Form Completed By: Brett Gillihan — **Date:** 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: T-4
Sample ID: 018
Date (s): 11/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 51 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing		X
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 9:54 AM
Static Water Level: 20.08 feet below TOC
Total Depth: 27.42 feet below TOC
Water Column: 7.34 feet

Purging Activities

Purged By: JC — Purge Date: 11/13/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 7.34 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:56	0.0	226	purge start time						
10:03	1.6	↓	6.80	974.50	13.53	0.89	-52.80	76.61	
10:06	2.3		6.72	788.60	13.54	0.92	-40.60	77.88	
10:09	2.9		6.64	643.10	13.61	0.92	-16.00	55.17	
10:12	3.6		6.41	549.70	13.63	1.56	16.90	23.06	
10:15	4.3		6.35	534.90	13.70	1.53	25.70	12.29	
10:18	5.0		6.36	537.20	13.70	1.37	23.10	8.95	
10:21	5.6		6.39	544.00	13.71	1.17	16.10	5.85	
10:24	6.3		6.41	546.60	13.71	1.05	9.80	6.95	
10:27	7.0		6.43	544.70	13.79	0.95	4.80	3.56	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/13/2025 10:27
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.43 pH — 544.70 Spec. Cond. — 13.79 Temp
Field Filtered: No — Filter Type:
Water Level: 21.34 feet below TOC — Drawdown: 1.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp — **Date:** 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: T-5
Sample ID: 019
Date (s): 11/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 54 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 10:43 AM
Static Water Level: 13.99 feet below TOC
Total Depth: 22.34 feet below TOC
Water Column: 8.35 feet

Purging Activities

Purged By: JC — Purge Date: 11/13/2025
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.35 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:45	0.0	250	purge start time						
10:52	1.7	↓	6.61	693.90	16.13	1.64	26.50	5.52	
10:55	2.5		6.62	693.50	16.43	1.44	40.20	5.55	
10:58	3.3		6.63	707.50	16.55	1.46	47.70	6.87	
11:01	4.0		6.64	726.40	16.76	1.36	48.10	6.04	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/13/2025 11:01
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.64 pH — 726.40 Spec. Cond. — 16.76 Temp
Field Filtered: No — Filter Type:
Water Level: 15.53 feet below TOC — Drawdown: 1.54 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	T-6
Project Location:	Springfield, IL	**Sample ID:**	020
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.

Name: — Affiliation:

Weather Conditions

Temp: 56 °F — Wind Direction: ☑ N ☐ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/13/25 11:17 AM

Static Water Level: 11.98 feet below TOC

Total Depth: 43.62 feet below TOC

Water Column: 31.64 feet

Purging Activities

Purged By: JC — Purge Date: 11/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 31.64 ft. x 0.022 = 0.7 L x 3 Vol. = 2.1 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 3.50 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:19	0.0	269	purge start time						
11:23	1.1	↓	6.72	944.50	14.91	1.17	-133.30	15.17	
11:26	1.9		6.74	942.00	14.62	0.91	-136.30	26.27	
11:29	2.7		6.75	940.40	14.42	0.82	-136.60	31.41	
11:32	3.5		6.76	939.70	14.36	0.78	-136.70	35.26	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/13/2025 11:32

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.76 pH — 939.70 Spec. Cond. — 14.36 Temp

Field Filtered: No — Filter Type:

Water Level: 12.03 feet below TOC — Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 217941

Form Completed By: Justin Colp — **Date:** 11/13/2025

Field Data Sheet

Project Name:	Ash Pond Monitoring Wells	**Monitoring Point:**	AW-1
Project Location:	Springfield, IL	**Sample ID:**	021
W.O. Number (s):	25111404	**Date (s):**	11/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.

Name: Drew Nieters — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 1:29 PM

Static Water Level: 19.26 feet below TOC

Total Depth: 54.81 feet below TOC

Water Column: 35.55 feet

Purging Activities

Purged By: AL — Purge Date: 11/13/2025

Purge Method: Peristaltic Pump — Well Diameter: 2"

Purge Volume Calculation (L): 35.55 ft. x 0.022 = 0.78 L x 3 Vol. = 2.34 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 6.00 L

Physical appearance of purge water: Slightly cloudy — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:29	0.0	333	purge start time						
13:38	3.0	↓	6.66	1,370.30	15.00	3.88	11.80	20.63	
13:41	4.0		6.64	1,369.10	14.91	3.46	12.00	17.55	
13:44	5.0		6.63	1,367.00	14.87	3.14	11.40	12.33	
13:47	6.0		6.62	1,363.50	14.83	2.89	10.60	9.76	

Sampling Activities

Sampled By: Dn — Sample Date/Time: 11/13/2025 13:47

Sample Method: Low Flow — Sample Equipment: Peristaltic Pump

Sample Parameters: 6.62 pH — 1,363.50 Spec. Cond. — 14.83 Temp

Field Filtered: Yes — Filter Type: Inline Disposable

Water Level: 22.13 feet below TOC — Drawdown: 2.87 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

Form Completed By: A Nieters — **Date:** 11/13/2025

Field Data Sheet

Project Name: Ash Pond Monitoring Wells
Project Location: Springfield, IL
W.O. Number (s): 25111404
Monitoring Point: G120
Sample ID: 022
Date (s): 11/13/2025

Field Team Members

Name: Allison Lampe — Affiliation: TekLab, Inc.
Name: Drew Nieters — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 49 °F — Wind Direction: ☐ N ☑ S ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☑ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/13/25 10:04 AM
Static Water Level: 20.72 feet below TOC
Total Depth: 50.37 feet below TOC
Water Column: 29.65 feet

Purging Activities

Purged By: Al — Purge Date: 11/13/2025
Purge Method: Submersible Pump — Well Diameter: 2"
Purge Volume Calculation (L): 29.65 ft. x 0.022 = 0.65 L x 3 Vol. = 1.95 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy — Odor: Moderate — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:04	0.0	333	purge start time						
10:13	3.0	↓	6.68	1,759.90	15.18	3.75	34.50	31.85	
10:16	4.0		6.67	1,753.40	15.21	3.29	30.90	42.73	
10:19	5.0		6.67	1,749.00	15.17	2.96	27.90	43.19	
10:22	6.0		6.67	1,748.40	15.51	2.70	25.10	38.98	

Sampling Activities

Sampled By: DN — Sample Date/Time: 11/13/2025 10:22
Sample Method: Low Flow — Sample Equipment: Submersible Pump
Sample Parameters: 6.67 pH — 1,748.40 Spec. Cond. — 15.51 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 20.81 feet below TOC — Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45280

Form Completed By: A Nieters — **Date:** 11/13/2025

Site Sampling Event: Ash Pond Mon. Wells
LIMS Workorder: 25110404
Technician(s): DC, JC, BG, AL, DN

Field Calibration Log(s)
CWLP- 4Q 2025

SC_513

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 217941 Technician(s): justin colp Date: 11/12/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC251017A	4.00	11/12/25 11:40
7.0 Buffer	WC251017B	7.00	11/12/25 11:37
10.0 Buffer	WC251017C	10.00	11/12/25 11:44
LCS/CCV (7.0 Buffer)	WC251017D		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	107107	1412	11/12/25 11:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.85	11/12/25 11:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	11/12/25 11:55	15.3	7.01	1,409	0.83		
CCV-1-JC	CCV	11/12/25 14:17	19.1	6.98	1,377	0.96		

Comments:

Field Meter ID: Pine 217941 Technician(s): justin colp Date: 11/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC251017A	4.00	11/13/25 8:37
7.0 Buffer	WC251017B	7.00	11/13/25 8:33
10.0 Buffer	WC251017C	10.00	11/13/25 8:40
LCS/CCV (7.0 Buffer)	WC251017D		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	107107	1412	11/13/25 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.93	11/13/25 8:47
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	11/13/25 8:52	12	6.97	1,409	0.87		
CCV-2-JC	CCV	11/13/25 14:47	18.6	7.02	1,364	1.61		

Comments:

Site Sampling Event: Ash Pond Mon. Wells
LIMS Workorder: 25110404
Technician(s): DC, JC, BG, AL, DN

Field Calibration Log(s)
CWLP- 4Q 2025

SC_514

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45280 Technician(s): D. Nieters Date: 11/12/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC251017A	4.00	11/12/25 10:56
7.0 Buffer	WC251017B	7.00	11/12/25 10:50
10.0 Buffer	WC251017C	10.00	11/12/25 11:05
LCS/CCV (7.0 Buffer)	WC251017D		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	107107	1418	11/12/25 11:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.64	11/12/25 11:16
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-DN	LCS	11/12/25 11:17	18.9	7.05	1,418	0.64		
CCV-1-DN	CCV	11/12/25 14:00	18.9	6.96	1,358	0.73		

Comments:

Field Meter ID: Pine 45280 Technician(s): D. Nieters Date: 11/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC251017A	4.00	11/13/25 7:50
7.0 Buffer	WC251017B	7.00	11/13/25 7:46
10.0 Buffer	WC251017C	10.00	11/13/25 8:01
LCS/CCV (7.0 Buffer)	WC251017D		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	107107	1390	11/13/25 8:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.82	11/13/25 8:24
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-DN	LCS	11/13/25 8:29	10.8	7.02	1,412	1.01		
CCV-2-DN	CCV	11/13/25 14:15	19.6	6.98	1,356	0.89		

Comments:

Site Sampling Event: Ash Pond Mon. Wells
LIMS Workorder: 25110404
Technician(s): DC, JC, BG, AL, DN

Field Calibration Log(s)
CWLP- 4Q 2025

SC_515

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223358 Technician(s): Brett Gillihan Date: 11/12/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC251017A	4.01	11/12/25 10:50
7.0 Buffer	WC251017B	6.98	11/12/25 10:47
10.0 Buffer	WC251017C	10.00	11/12/25 10:56
LCS/CCV (7.0 Buffer)	WC251017D		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	107107	1425	11/12/25 11:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.35	11/12/25 11:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	11/12/25 11:08	13.3	7.01	1,443	0.39		
CCV-1-BG	CCV	11/12/25 14:34	13.8	7.03	1,448	0.46		

Comments:

Field Meter ID: Pine 223358 Technician(s): Brett Gillihan Date: 11/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC251017A	4.02	11/13/25 8:39
7.0 Buffer	WC251017B	7.00	11/13/25 8:35
10.0 Buffer	WC251017C	10.01	11/13/25 8:46
LCS/CCV (7.0 Buffer)	WC251017D		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	107107	1427	11/13/25 8:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.48	11/13/25 8:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	11/13/25 8:58	14.3	7.03	1,439	0.52		
CCV-2-BG	CCV	11/13/25 14:46	16.3	7.02	1,451	0.53		

Comments:

Alliance Technical Group - Akron
3310 Win St.
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TEL: (330) 253-8211
Website: http://www.settek.com

January 08, 2026

Shelly Hennessy
TEKLAB Inc,
5445 Horseshoe lake Road
Collinsville, IL 62234
TEL:
FAX:

RE: 25110404

Dear Shelly Hennessy:

Order No.: 25111579

Alliance Technical Group - Akron received 22 sample(s) on 11/19/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C

SC_516

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Case Narrative

WO#: **25111579**
Date: **1/8/2026**

CLIENT: TEKLAB Inc,
Project: 25110404

WorkOrder Narrative:
25111579: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

Analytical Sequence Sample Notes:
25111579-009A Radium-228_NPW(904.0): Parent sample and duplicate exhibit a high RPD, most likely caused by sample matrix.
25111579-010A Radium-226_NPW(903.0): Parent sample and dup exhibit high RPD, both results are below the PQL.

Analytical Sequence QC Notes:
LCS/LCSD-90886 Radium-228_DW(904.0): LCS and LCSD exhibited high RPD. Both are within passing recovery criteria.

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Qualifiers and Acronyms

WO#: **25111579**
Date: **1/8/2026**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Alliance Technical Group - Akron
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Workorder Sample Summary

WO#: **25111579**

08-Jan-26

CLIENT: TEKLAB Inc,
Project: 25110404

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25111579-001	25110404-001C		11/12/2025 12:22:01 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-002	25110404-002C		11/13/2025 2:25:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-003	25110404-003C		11/12/2025 1:57:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-004	25110404-004C		11/12/2025 1:17:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-005	25110404-005C		11/13/2025 1:43:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-006	25110404-006C		11/13/2025 1:04:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-007	25110404-007C		11/13/2025 12:58:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-008	25110404-008C		11/13/2025 12:19:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-009	25110404-009C		11/13/2025 1:53:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-010	25110404-010C		11/13/2025 9:38:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-011	25110404-011C		11/12/2025 2:32:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-012	25110404-012C		11/13/2025 9:40:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-013	25110404-013C		11/13/2025 11:04:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-014	25110404-014C		11/13/2025 11:40:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-015	25110404-015C		11/13/2025 1:14:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-016	25110404-016C		11/13/2025 12:21:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-017	25110404-017C		11/13/2025 10:17:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-018	25110404-018C		11/13/2025 10:27:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-019	25110404-019C		11/13/2025 11:01:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-020	25110404-020C		11/13/2025 11:32:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-021	25110404-021C		11/13/2025 1:47:00 PM	11/19/2025 11:20:00 AM	Non-Potable Water
25111579-022	25110404-022C		11/13/2025 10:22:00 AM	11/19/2025 11:20:00 AM	Non-Potable Water

Alliance Technical Group - Akron
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Website: http://www.settek.com

DATES REPORT

WO#: **25111579**

08-Jan-26

SC_520

Client: TEKLAB Inc,
Project: 25110404

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25111579-001A	25110404-001C	11/12/2025 12:22:01 PM	Non-Potable Water	Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 9320)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-002A	25110404-002C	11/13/2025 2:25:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-003A	25110404-003C	11/12/2025 1:57:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-004A	25110404-004C	11/12/2025 1:17:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-005A	25110404-005C	11/13/2025 1:43:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-006A	25110404-006C	11/13/2025 1:04:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-007A	25110404-007C	11/13/2025 12:58:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 A M	1/2/2026 11:20:00 AM
25111579-008A	25110404-008C	11/13/2025 12:19:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 A M	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 A M	12/19/2025 11:15:36 AM

Original

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DATES REPORT

WO#: **25111579**

08-Jan-26

SC_521

Client: TEKLAB Inc,
Project: 25110404

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25111579-008A	25110404-008C	11/13/2025 12:19:00 PM	Non-Potable Water	Radium-228 (EPA 904.0)		12/19/2025 11:10:00 AM	1/2/2026 11:20:00 AM
25111579-009A	25110404-009C	11/13/2025 1:53:00 PM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 AM	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 AM	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 AM	1/2/2026 11:20:00 AM
25111579-010A	25110404-010C	11/13/2025 9:38:00 AM		Combined Radium (EPA903+904)		12/19/2025 11:10:00 AM	12/19/2025 11:15:12 AM
				Radium-226 (EPA 903.0)		12/19/2025 11:10:00 AM	12/19/2025 11:15:36 AM
				Radium-228 (EPA 904.0)		12/19/2025 11:10:00 AM	1/2/2026 11:20:00 AM
25111579-011A	25110404-011C	11/12/2025 2:32:00 PM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-012A	25110404-012C	11/13/2025 9:40:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-013A	25110404-013C	11/13/2025 11:04:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-014A	25110404-014C	11/13/2025 11:40:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-015A	25110404-015C	11/13/2025 1:14:00 PM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-016A	25110404-016C	11/13/2025 12:21:00 PM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM

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DATES REPORT

WO#: **25111579**

08-Jan-26

SC_522

Client: TEKLAB Inc,
Project: 25110404

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25111579-016A	25110404-016C	11/13/2025 12:21:00 PM	Non-Potable Water	Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-017A	25110404-017C	11/13/2025 10:17:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-018A	25110404-018C	11/13/2025 10:27:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-019A	25110404-019C	11/13/2025 11:01:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-020A	25110404-020C	11/13/2025 11:32:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-021A	25110404-021C	11/13/2025 1:47:00 PM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM
25111579-022A	25110404-022C	11/13/2025 10:22:00 AM		Combined Radium (EPA903+904)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-226 (EPA 903.0)		12/22/2025 8:14:08 AM	1/6/2026 8:26:00 AM
				Radium-228 (EPA 904.0)		12/22/2025 8:14:08 AM	1/2/2026 1:47:00 PM

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/12/2025 12:22:01 PM
Project: 25110404
Lab ID: 25111579-001
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-001C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.380	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.0800	1	12/19/2025 11:15:36 A
Yield	0.940					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 9320)					**SW9320**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.300	1	1/2/2026 11:20:00 AM
Yield	1.00					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_523

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 2:25:00 PM
Project: 25110404
Lab ID: 25111579-002
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-002C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.440	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.100	1	12/19/2025 11:15:36 A
Yield	0.780					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.340	1	1/2/2026 11:20:00 AM
Yield	0.830					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_524

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/12/2025 1:57:00 PM
Project: 25110404
Lab ID: 25111579-003
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-003C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.380	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.0800	1	12/19/2025 11:15:36 A
Yield	0.870					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.300	1	1/2/2026 11:20:00 AM
Yield	0.930					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_525

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/12/2025 1:17:00 PM
Project: 25110404
Lab ID: 25111579-004
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-004C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.400	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.0700	1	12/19/2025 11:15:36 A
Yield	0.950					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.330	1	1/2/2026 11:20:00 AM
Yield	0.960					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_526

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 1:43:00 PM
Project: 25110404
Lab ID: 25111579-005
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-005C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.470	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.130	1	12/19/2025 11:15:36 A
Yield	0.990					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.340	1	1/2/2026 11:20:00 AM
Yield	1.00					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode
M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

Original

SC_527

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc, **Collection Date:** 11/13/2025 1:04:00 PM

Project: 25110404

Lab ID: 25111579-006 **Matrix:** NON-POTABLE WATER

Client Sample ID: 25110404-006C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.370	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.0400	1	12/19/2025 11:15:36 A
Yield	0.930					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.330	1	1/2/2026 11:20:00 AM
Yield	1.00					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_528

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 12:58:00 PM
Project: 25110404
Lab ID: 25111579-007
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-007C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.410	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.0700	1	12/19/2025 11:15:36 A
Yield	0.970					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.340	1	1/2/2026 11:20:00 AM
Yield	0.960					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_529

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Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 12:19:00 PM
Project: 25110404
Lab ID: 25111579-008
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-008C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.410	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00		pCi/L	± 0.0700	1	12/19/2025 11:15:36 A
Yield	0.940					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.340	1	1/2/2026 11:20:00 AM
Yield	1.00					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_530

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 1:53:00 PM
Project: 25110404
Lab ID: 25111579-009
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-009C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.590	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	1.37	1.00		pCi/L	± 0.160	1	12/19/2025 11:15:36 A
Yield	0.990					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00	QDR	pCi/L	± 0.430	1	1/2/2026 11:20:00 AM
Yield	1.00					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_531

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc, **Collection Date:** 11/13/2025 9:38:00 AM

Project: 25110404

Lab ID: 25111579-010 **Matrix:** NON-POTABLE WATER

Client Sample ID: 25110404-010C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **KM**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.420	1	12/19/2025 11:15:12 A
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **KM**
Radium-226	ND	1.00	QDR	pCi/L	± 0.110	1	12/19/2025 11:15:36 A
Yield	0.960					1	12/19/2025 11:15:36 A
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **KM**
Radium-228	ND	1.00		pCi/L	± 0.310	1	1/2/2026 11:20:00 AM
Yield	1.00					1	1/2/2026 11:20:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_532

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/12/2025 2:32:00 PM
Project: 25110404
Lab ID: 25111579-011
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-011C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.550	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	1.01	1.00		pCi/L	± 0.140	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.410	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_533

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 9:40:00 AM
Project: 25110404
Lab ID: 25111579-012
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-012C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.340	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0500	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.290	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_534

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 11:04:00 AM
Project: 25110404
Lab ID: 25111579-013
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-013C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.380	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0500	1	1/6/2026 8:26:00 AM
Yield	0.980					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.330	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_535

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 11:40:00 AM
Project: 25110404
Lab ID: 25111579-014
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-014C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.400	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.100	1	1/6/2026 8:26:00 AM
Yield	0.930					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.300	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_536

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 1:14:00 PM
Project: 25110404
Lab ID: 25111579-015
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-015C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.630	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0900	1	1/6/2026 8:26:00 AM
Yield	0.990					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	1.46	1.00		pCi/L	± 0.540	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_537

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 12:21:00 PM
Project: 25110404
Lab ID: 25111579-016
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-016C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.410	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0500	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.360	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_538

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 10:17:00 AM
Project: 25110404
Lab ID: 25111579-017
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-017C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.560	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.110	1	1/6/2026 8:26:00 AM
Yield	0.950					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.450	1	1/2/2026 1:47:00 PM
Yield	0.990					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_539

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 10:27:00 AM
Project: 25110404
Lab ID: 25111579-018
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-018C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.480	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0700	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.410	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_540

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 11:01:00 AM
Project: 25110404
Lab ID: 25111579-019
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-019C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.460	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0800	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.380	1	1/2/2026 1:47:00 PM
Yield	0.990					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_541

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 11:32:00 AM
Project: 25110404
Lab ID: 25111579-020
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-020C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.510	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.130	1	1/6/2026 8:26:00 AM
Yield	0.890					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.380	1	1/2/2026 1:47:00 PM
Yield	0.990					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 1:47:00 PM
Project: 25110404
Lab ID: 25111579-021
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-021C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	ND	2.00		pCi/L	± 0.450	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	ND	1.00		pCi/L	± 0.0900	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	ND	1.00		pCi/L	± 0.360	1	1/2/2026 1:47:00 PM
Yield	1.00					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_543

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **25111579**

Date Reported: **1/8/2026**

CLIENT: TEKLAB Inc,
Collection Date: 11/13/2025 10:22:00 AM
Project: 25110404
Lab ID: 25111579-022
Matrix: NON-POTABLE WATER
Client Sample ID: 25110404-022C

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
COMBINED RADIUM (EPA903+904)					**CALCULATION**	**E903-904**	Analyst: **TAL**
Radium-226/Radium-228	5.88	2.00		pCi/L	± 0.880	1	1/6/2026 8:26:00 AM
RADIUM-226 (EPA 903.0)					**E903.0**	**E903-904**	Analyst: **TAL**
Radium-226	3.94	1.00		pCi/L	± 0.260	1	1/6/2026 8:26:00 AM
Yield	1.00					1	1/6/2026 8:26:00 AM
RADIUM-228 (EPA 904.0)					**E904.0**	**E903-904**	Analyst: **TAL**
Radium-228	1.94	1.00		pCi/L	± 0.620	1	1/2/2026 1:47:00 PM
Yield	0.970					1	1/2/2026 1:47:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

Original

SC_544

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25111579**

08-Jan-26

SC_545

Client: TEKLAB Inc,
Project: 25110404 **BatchID:** **90856**

Sample ID: **25111579-009ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **25110404-009C** Batch ID: **90856** TestNo: **E904.0** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	1.25	1.00		0	0			0.8400	39.2	30	R
Yield	1.00			0	0			1.000	0		

Sample ID: **25111579-010ADUP** SampType: **DUP** TestCode: **Radium-228_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224241**
Client ID: **25110404-010C** Batch ID: **90856** TestNo: **E904.0** **E903-904** Analysis Date: **1/2/2026** SeqNo: **5977081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0			0	0	30	
Yield	0.930			0	0			1.000	7.25		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25111579**

08-Jan-26

SC_546

Client: TEKLAB Inc,
Project: 25110404 **BatchID:** **90856**

Sample ID: **MB-90856**	SampType: **MBLK**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224241**
Client ID: **BatchQC**	Batch ID: **90856**	TestNo: **SW9320**	**E903-904**	Analysis Date: **1/2/2026**	SeqNo: **5977054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	ND	1.00		0	0						
Yield	0.970			0	0						

Sample ID: **LCS-90856**	SampType: **LCS**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224241**
Client ID: **BatchQC**	Batch ID: **90856**	TestNo: **SW9320**	**E903-904**	Analysis Date: **1/2/2026**	SeqNo: **5977055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.74	1.00	5.000	0	74.8	50	130				
Yield	0.920			0	0						

Sample ID: **LCSD-90856**	SampType: **LCSD**	TestCode: **Radium-228_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224241**
Client ID: **BatchQC**	Batch ID: **90856**	TestNo: **SW9320**	**E903-904**	Analysis Date: **1/2/2026**	SeqNo: **5977056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-228	3.41	1.00	5.000	0	68.2	50	130	3.740	9.23	20	
Yield	0.960			0	0			0.9200	4.26		

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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QC SUMMARY REPORT

WO#: **25111579**

08-Jan-26

SC_547

Client: TEKLAB Inc,
Project: 25110404 **BatchID:** **90856**

Sample ID: **MB-90856**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224246**
Client ID: **BatchQC**	Batch ID: **90856**	TestNo: **E903.0**	**E903-904**	Analysis Date: **12/19/2025**	SeqNo: **5977140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	0.940										

Sample ID: **LCS-90856**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224246**
Client ID: **BatchQC**	Batch ID: **90856**	TestNo: **E903.0**	**E903-904**	Analysis Date: **12/19/2025**	SeqNo: **5977141**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.99	1.00	5.000	0	120	70	130				

Sample ID: **LCSD-90856**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224246**
Client ID: **BatchQC**	Batch ID: **90856**	TestNo: **E903.0**	**E903-904**	Analysis Date: **12/19/2025**	SeqNo: **5977142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	6.17	1.00	5.000	0	123	70	130	5.990	2.96	20	

Sample ID: **25111579-009ADUP**	SampType: **DUP**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/19/2025**	RunNo: **224246**
Client ID: **25110404-009C**	Batch ID: **90856**	TestNo: **E903.0**	**E903-904**	Analysis Date: **12/19/2025**	SeqNo: **5977164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25111579**

08-Jan-26

SC_548

Client: TEKLAB Inc,
Project: 25110404 **BatchID:** **90856**

Sample ID: **25111579-009ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224246**
Client ID: **25110404-009C** Batch ID: **90856** TestNo: **E903.0** **E903-904** Analysis Date: **12/19/2025** SeqNo: **5977164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	1.48	1.00						1.370	7.72	30	
Yield	0.900							0.9900	9.52	0	

Sample ID: **25111579-010ADUP** SampType: **DUP** TestCode: **Radium-226_** Units: **pCi/L** Prep Date: **12/19/2025** RunNo: **224246**
Client ID: **25110404-010C** Batch ID: **90856** TestNo: **E903.0** **E903-904** Analysis Date: **12/19/2025** SeqNo: **5977166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00						0	0	30	R
Yield	0.850							0.9600	12.2	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **25111579**

08-Jan-26

SC_549

Client: TEKLAB Inc,
Project: 25110404 **BatchID:** **90886**

Sample ID: **MB-90886**	SampType: **MBLK**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/22/2025**	RunNo: **224319**
Client ID: **BatchQC**	Batch ID: **90886**	TestNo: **E903.0**	**E903-904**	Analysis Date: **1/6/2026**	SeqNo: **5979841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	ND	1.00									
Yield	1.00										

Sample ID: **LCS-90886**	SampType: **LCS**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/22/2025**	RunNo: **224319**
Client ID: **BatchQC**	Batch ID: **90886**	TestNo: **E903.0**	**E903-904**	Analysis Date: **1/6/2026**	SeqNo: **5979842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.13	1.00	5.000	0	103	70	130				

Sample ID: **LCSD-90886**	SampType: **LCSD**	TestCode: **Radium-226_**	Units: **pCi/L**	Prep Date: **12/22/2025**	RunNo: **224319**
Client ID: **BatchQC**	Batch ID: **90886**	TestNo: **E903.0**	**E903-904**	Analysis Date: **1/6/2026**	SeqNo: **5979843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium-226	5.24	1.00	5.000	0	105	70	130	5.130	2.12	20	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

TEKLAB, INC. Chain of Custody

25111579

SC_550

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Employee QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Analyze for Radium 226/228 per your normal method/s.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested.

Project# 25110404

Contact: Shelly Hennessy Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT Billing/PO: 39856 Phone: 618-344-1004 ex 36 State of Sample Origin = IL

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228	pH			cpm					
	25110404-001C	11/12/25 12:22	HNO3	Groundwater	✔	✔	✔	3	2	2	21	30	22			
	25110404-002C	11/13/25 14:25	HNO3	Groundwater	✔	✔	✔	2	3	2	22	20	26			
	25110404-003C	11/12/25 13:57	HNO3	Groundwater	✔	✔	✔	3	3	3	22	32	22			
	25110404-004C	11/12/25 13:17	HNO3	Groundwater	✔	✔	✔	2	2	2	26	24	26			
	25110404-005C	11/13/25 13:43	HNO3	Groundwater	✔	✔	✔	3	3	3	24	20	28			
	25110404-006C	11/13/25 13:04	HNO3	Groundwater	✔	✔	✔	2	2	3	30	36	24			
	25110404-007C	11/13/25 12:58	HNO3	Groundwater	✔	✔	✔	2	2	3	32	30	30			
	25110404-008C	11/13/25 12:19	HNO3	Groundwater	✔	✔	✔	3	2	3	30	30	30			
	25110404-009C	11/13/25 13:53	HNO3	Groundwater	✔	✔	✔	3	3	3	22	24	28			
	25110404-010C	11/13/25 9:38	HNO3	Groundwater	✔	✔	✔	3	3	3	16	22	30			
	25110404-011C	11/12/25 14:32	HNO3	Groundwater	✔	✔	✔	2	3	1	26	18	26			

*Relinquished By	Date/Time	Received By	Date/Time
	11/19/25 1700		11/20/25
		Fedex 1120	11/19/25
		18.8+0.2=19.0	

C.S. 11/17/25 intact

19.0°C = 18.8 + 0.2

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

SC_551

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Employee QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Analyze for Radium 226/228 per your normal method/s.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested.

Project# 25110404

Contact: Shelly Hennessy Email: shennessy@teklabinc.com
Requested Due Date: Standard TAT Billing/PO: 39856 Phone: 618-344-1004 ex 36 State of Sample Origin = IL

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228	PH			CPM					
	25110404-012C	11/13/25 9:40	HNO3	Groundwater	✔	✔	✔	3	3	3	22	30	28			
	25110404-013C	11/13/25 11:04	HNO3	Groundwater	✔	✔	✔	2	3	3	24	28	24			
	25110404-014C	11/13/25 11:40	HNO3	Groundwater	✔	✔	✔	2	3	3	26	34	26			
	25110404-015C	11/13/25 13:14	HNO3	Groundwater	✔	✔	✔	2	3	3	28	22	18			
	25110404-016C	11/13/25 12:21	HNO3	Groundwater	✔	✔	✔	2	2	3	36	26	38			
	25110404-017C	11/13/25 10:17	HNO3	Groundwater	✔	✔	✔	2	3	3	22	28	32			
	25110404-018C	11/13/25 10:27	HNO3	Groundwater	✔	✔	✔	1	1	1	22	30	46			
	25110404-019C	11/13/25 11:01	HNO3	Groundwater	✔	✔	✔	2	3	2	24	30	28			
	25110404-020C	11/13/25 11:32	HNO3	Groundwater	✔	✔	✔	3	3	3	28	32	34			
	25110404-021C	11/13/25 13:47	HNO3	Groundwater	✔	✔	✔	3	3	3	22	14	26			
	25110404-022C	11/13/25 10:22	HNO3	Groundwater	✔	✔	✔	2	2	3	26	20	34			

*Relinquished By	Date/Time	Received By	Date/Time
	11/17/25 1700	Pamela Aguirre	~~11/20/25~~ PK 12:00
			11/19/25

CS Intact
11/17/25
19.0 C =
18.8 +0.2

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Sample Log-In Check List

Client Name: **TEK-IL-62234-A** Work Order Number: **25111579** RcptNo: **1**

Logged by:	**Spencer M. Hartwell**	**11/19/2025 11:20:00 AM**	Spencer M. Hartwell
Completed By:	**Spencer M. Hartwell**	**11/20/2025 3:53:59 PM**	Spencer M. Hartwell
Reviewed By:	**Jennifer Woolf**	**11/25/2025 9:29:17 PM**	Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☑ No ☐ Not Present ☐ NA ☐
   No. Seal Date: 11/17/2025 Signed By:
5. Was an attempt made to cool the samples? Yes ☐ No ☑ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   Not required
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	19	Good	Yes		11/17/2025	