

# **Rocky Flats Site, Colorado, Quarterly Report of Site Surveillance and Maintenance Activities, First Quarter, Calendar Year 2024**

**July 2024**



**U.S. DEPARTMENT OF  
ENERGY**

Legacy  
Management

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## Abbreviations

Am	americium
AOC	Area of Concern
BMP	best management practice
CAD/ROD	Corrective Action Decision/Record of Decision
COU	Central Operable Unit
CR	Contact Record
CY	calendar year
DOE	U.S. Department of Energy
ETPTS	East Trenches Plume Treatment System
IC	institutional control
ITSS	Interceptor Trench System Sump
LM	Office of Legacy Management
M&M Plan	Monitoring and Maintenance Plan
MSPCS	Mound Site Plume Collection System
NWCS	North Walnut Creek Slump
OLF	Original Landfill
PLF	Present Landfill
PLFTS	Present Landfill Treatment System
POC	Point of Compliance
POE	Point of Evaluation
Pu	plutonium
RCRA	Resource Conservation and Recovery Act
RFLMA	<i>Rocky Flats Legacy Management Agreement</i>
RFSOG	Rocky Flats Site Operations Guide
SPPTS	Solar Ponds Plume Treatment System

## Executive Summary

This report for the first quarter (January 1–March 29) of calendar year (CY) 2024 includes information on the remedy-related surveillance, monitoring, and maintenance activities conducted at the Rocky Flats Site, Colorado (Site), managed by the U.S. Department of Energy Office of Legacy Management. This report summarizes the maintenance and inspection of the two closed landfills, the Central Operable Unit (COU) and former building areas, perimeter signs, and four groundwater collection or treatment systems and water and ecological monitoring activities and erosion control and revegetation activities.

The quarterly Present Landfill inspection for the first quarter of CY 2024 was conducted on February 21, 2024. No issues were identified during this inspection. Routine maintenance was performed at the Present Landfill Treatment System (PLFTS) throughout the quarter.

The Original Landfill monthly inspections for the first quarter of CY 2024 were conducted on January 18, February 21, and March 28, 2024. On March 28, 2024, three rows of GeoRidge erosion controls at the bottom of the West Perimeter Channel were noted as having been trampled by wildlife. All three rows were replaced in April.

The quarterly COU inspection for the first quarter of CY 2024 was conducted on February 29, 2024. A shallow depression, possibly an elk wallow, was noted at the southeast corner of the former Building 771 area and is being monitored. No new cavities or areas of slumping were identified in former building areas, and all roads and grounds were in good condition.

The quarterly COU sign inspection for the first quarter of CY 2024 was conducted on March 27, 2024. A few signs had to be reattached and one sign had to be replaced.

The North Walnut Creek Slump on the hillside east of the Solar Ponds Plume Treatment System (SPPTS) is monitored as a best management practice. The slump block moved 0.1 foot during the first quarter of CY 2024, as indicated by the results of monthly monitoring of 22 survey points on either side of the current scarp face used to measure slump movement.

Routine maintenance was performed at the Mound Site Plume Collection System, the East Trenches Plume Treatment System, the SPPTS, and the PLFTS during the first quarter of CY 2024.

Water monitoring met the targeted monitoring objectives required by the *Rocky Flats Legacy Management Agreement* (RFLMA). During the quarter, 38 flow-paced, composite surface water samples; 12 surface water grab samples; 16 treatment system grab samples; and 10 groundwater samples were collected in accordance with RFLMA-required protocols and were submitted for laboratory analysis.

All analyte concentrations at Points of Evaluation GS10, SW027, and SW093 remained below reportable condition levels during the first quarter of CY 2024.

All analyte concentrations at Points of Compliance WALPOC and WOMPOC also remained below reportable condition levels during the first quarter of CY 2024.

RFLMA-required groundwater monitoring during the first quarter of CY 2024 was conducted at all Resource Conservation and Recovery Act wells. Results were generally consistent with previous data. Groundwater monitoring data presented in this quarterly report will be evaluated as part of the annual report for CY 2024.

Ecological activities conducted during the first quarter included vegetation enhancement activities (interseeding with native grasses), prairie dog surveys, and wildlife crossing installations.

## 1.0 Introduction

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) is responsible for implementing the final response action at the Rocky Flats Site, Colorado (Site). The final response action was selected in the *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit* (DOE et al. 2006), hereafter referred to as the Corrective Action Decision/Record of Decision (CAD/ROD), issued September 29, 2006, and amended September 21, 2011 (DOE et al. 2011). The Peripheral Operable Unit was transferred from DOE to the U.S. Department of the Interior in July 2007 to establish the Rocky Flats National Wildlife Refuge. DOE implements the monitoring and maintenance requirements of the CAD/ROD for the Central Operable Unit (COU) as described in the *Rocky Flats Legacy Management Agreement* (RFLMA) (CDPHE et al. 2007). The RFLMA was executed on March 14, 2007. Attachment 2 to the RFLMA has been revised since, most recently in 2018. Results of that 2018 revision were implemented beginning January 1, 2019.

RFLMA Attachment 2 specifies remedy performance standards; monitoring, inspection, and maintenance requirements; evaluation criteria for the results of monitoring and inspection; and COU remedy reporting. These requirements include environmental monitoring; maintenance of required erosion controls, access controls (signs), landfill covers, and groundwater collection and treatment systems; and operation of the groundwater collection and treatment systems. The RFLMA also requires that the institutional controls (ICs), in the form of use restrictions as established in the CAD/ROD, be maintained.

This report is required in accordance with Section 7.0, “Periodic Reporting Requirements,” of RFLMA Attachment 2. The purpose of this report is to inform the regulatory agencies and stakeholders of the remedy-related surveillance, monitoring, and maintenance activities conducted at the Site during the first quarter (January 1–March 29) of calendar year (CY) 2024. LM provides periodic communications through several means, including this report, web-based tools, and public meetings.

LM maintains the *Rocky Flats Site, Colorado, Site Operations Guide* (DOE 2021a), also called the Rocky Flats Site Operations Guide (RFSOG), as the primary document to guide the work performed to satisfy the requirements of the RFLMA and to implement best management practices (BMPs) at the Site. Several other Site-specific documents provide additional details regarding the requirements described in RFLMA Attachment 2, including data evaluation protocols and all aspects of surveillance, monitoring, and maintenance activities.

Monitoring data and summaries of the monitoring and maintenance activities for past quarters are available in the quarterly reports. Extensive discussion and evaluation of the surveillance, monitoring, and maintenance activities are presented each calendar year in the annual reports of Site surveillance and maintenance activities. This report summarizes the following activities:

- Maintenance and inspection of the Present Landfill (PLF) and the Original Landfill (OLF)
- Maintenance and inspection of the COU and associated infrastructure, such as signage and roads
- Maintenance and inspection of the groundwater collection and treatment systems

- Routine water monitoring (in accordance with the RFLMA)
- Erosion control and revegetation activities
- Ecological monitoring

## 2.0 Site Operations and Maintenance

### 2.1 Landfills

#### 2.1.1 Present Landfill

The PLF is inspected quarterly and after major precipitation events in accordance with the requirements of the *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan, U.S. Department of Energy Rocky Flats, Colorado, Site* (DOE 2014) and Attachment 2 of the RFLMA (CDPHE et al. 2007).

The quarterly PLF inspection for the first quarter of CY 2024 was conducted on February 21, 2024. No issues were identified during this inspection. Routine maintenance was performed at the Present Landfill Treatment System (PLFTS) throughout the quarter (e.g., mechanical pipe cleaning). Copies of the landfill inspection forms and reports are presented in Appendix A.

#### 2.1.2 Original Landfill

The OLF is inspected monthly and following major precipitation events in accordance with requirements in the *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan* (DOE 2009), also called the OLF Monitoring and Maintenance Plan (M&M Plan), and Attachment 2 of the RFLMA (CDPHE et al. 2007). The design features installed as part of the OLF Slope Stabilization Project in 2019 and 2020 are expected to provide long-term stability to areas of the landfill that were prone to movement in the past; the OLF M&M Plan is in the process of being updated to include the stabilization features. At a minimum, monthly inspections of the OLF will continue until a reduction in inspection frequency is established through the RFLMA consultative process. In addition to the RFLMA-required inspections, the OLF is walked down weekly as a BMP.

##### 2.1.2.1 Inspection Results

The OLF monthly inspections for the first quarter of CY 2024 were conducted on January 18, February 21, and March 28, 2024. During the March inspection, three rows of GeoRidge erosion controls at the bottom of the West Perimeter Channel were noted as having been trampled. All three rows were replaced in April. No other issues were identified during these inspections. Copies of the landfill inspection forms and reports are presented in Appendix A.

Seeps at the OLF are observed during monthly and weather-related inspections. Historical seep locations 2/3, 5, 6, 8A, 8C, 9, and 10 have been dry since the stabilization effort was completed. Seep locations 1, 4, 7, 8, and 8B had flows or moisture generally consistent with that observed

during previous first quarter inspections. Estimates for individual seep flow rates are included in the monthly OLF inspection reports (Appendix A).

#### **2.1.2.2 Settlement Monuments**

The settlement monuments at the OLF are surveyed quarterly in accordance with the OLF M&M Plan. The CY 2024 first quarter survey was performed on March 4, 2024. Survey data indicate that vertical settling at each monument is within the calculated settlements specified in Figure 3-1 of the OLF M&M Plan. The survey results are presented in Appendix A.

### **2.2 COU Inspections**

In accordance with the RFLMA, the COU is inspected for significant erosion annually and following major precipitation events. Particular attention is paid to areas near remaining subsurface features (e.g., former buildings, ash pits, and trenches). Additional inspections are conducted quarterly as a BMP, focusing on the areas of former Buildings 371, 771, 881, and 991, as well as the Ash Pits and East Trenches.

The quarterly COU inspection for the first quarter of CY 2024 was conducted on February 29, 2024. A shallow depression, possibly an elk wallow, was noted at the southeast corner of the former Building 771 area and is being monitored. There were no new depressions or areas of slumping identified in former building areas, and the roads and grounds were in good condition.

### **2.3 North Walnut Creek Slump**

The hillside east of the Solar Ponds Plume Treatment System (SPPTS) is the site of a slump that is monitored as a BMP. This feature is referred to as the North Walnut Creek Slump (NWCS). The slump block moved 0.1 foot during the first quarter of CY 2024, as indicated by the results of monthly monitoring of 22 survey points on either side of the current scarp face to measure slump movement. Observations of the North Walnut Creek hillside show that movement of approximately 4 to 6 feet along the scarp has occurred since the hillside was regraded in 2017. Soils are also heaving along the toe of the slope because of the continued movement.

In fall 2020, three inclinometers (location codes 74520, 74620, and 74720) were installed in the hillside. Since installation, inclinometer 74520, which is immediately adjacent to the eastern portion of the SPPTS groundwater collection trench, has shown near-surface movement (0 to 6 feet below grade), with a maximum amplitude of about 0.5 inch and movement with a maximum amplitude of about 0.24 inch down to 16 feet below grade. The inclinometer upgradient of the Interceptor Trench System Sump (ITSS), 74720, has shown near-surface movement (0 to 10 feet below grade) with a maximum amplitude of 0.82 inch and movement of up to 0.15 inch down to 32 feet below grade. The third inclinometer, 74620, near the ITSS, has shown variations of up to 0.3 inch in the upper 5 feet, likely caused by cycles of drying and wetting in the soils. These inclinometers continue to be monitored.

### **2.4 Site Roads Maintenance**

No road maintenance was performed in the first quarter of CY 2024. Roads remained in good condition.

## **2.5 Groundwater Treatment Systems**

Four groundwater collection systems and three associated treatment facilities are monitored, operated, and maintained in accordance with requirements defined in the RFLMA and the additional implementation detail in the RFSOG. Three of these systems (Mound Site Plume Collection System [MSPCS],<sup>1</sup> East Trenches Plume Treatment System [ETPTS], and SPPTS) include a groundwater collection trench, which is similar to a French drain but with an impermeable membrane on the downgradient side. The fourth system, the PLFTS, passively treats water collected from the northern and southern components of the PLF Groundwater Intercept System and the PLF seep.

### **2.5.1 Mound Site Plume Collection System**

Routine maintenance performed at the MSPCS during the first quarter of CY 2024 included the following activities:

- Inspecting the wiring, batteries, and other power components
- Clearing debris from the solar panels as necessary
- Checking flow rates and water levels at the collection trench and lift station
- Cleaning and calibrating water-level transducers
- Exercising valves and cleaning piping
- Checking the operation of the lift station transfer pump
- Periodically transferring excess sample and purge water from the backup storage tanks to the lift station

Refer to Section 3.1.9.1 for information on water quality monitoring.

### **2.5.2 East Trenches Plume Treatment System**

Routine maintenance at the ETPTS in the first quarter of CY 2024 included the following activities:

- Inspecting the wiring, batteries, and other power components
- Clearing debris from the solar panels as necessary
- Exercising valves
- Adjusting valves and controller settings to modify water-flow and airflow rates and maintaining air stripper operation
- Replacing the air stripper door and trays with clean units when appropriate due to accumulation of hard-water scale
- Cleaning or replacing the demister pad as necessary
- Cleaning the influent and effluent pumps

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<sup>1</sup> The MSPCS, formerly the Mound Site Plume Treatment System, no longer treats groundwater; it was reconfigured in 2016 to collect groundwater and route it to the ETPTS for treatment.

- Inspecting and greasing the blower motor as necessary
- Recording water levels in the collection trench and influent and effluent tanks
- Cleaning and calibrating the water-level transducers
- Cleaning the airflow sensor and diffuser
- Inspecting and cleaning piping as needed
- Adjusting the air stripper timer control to accommodate solar charging availability

Refer to Section 3.1.9.2 for information on water quality monitoring.

### **2.5.3 Solar Ponds Plume Treatment System**

Routine maintenance during the first quarter of CY 2024 at the SPPTS included the following activities:

- Inspecting the wiring, batteries, and other power components
- Clearing debris from the solar panels as necessary
- Cleaning flow meters, air release valves, pumps, pipes, and other plumbing components
- Cleaning and adjusting or replacing water-level transducers
- Exercising valves
- Flushing piping to clear clogs and maintain flows
- Periodically transferring water from the storage tank used for excess sample and purge water to the nitrate treatment component
- Adjusting the water depth in the nitrate treatment component to maintain a suitable residence time
- Adjusting the nutrient dose rate as appropriate to accommodate seasonal temperature changes
- Ensuring an adequate supply of the nutrient solution is on hand
- Pumping water out of the vaults as necessary

Refer to Section 3.1.9.3 for information on water quality monitoring.

### **2.5.4 Present Landfill Treatment System**

Routine maintenance during the first quarter of CY 2024 at the PLFTS included inspecting the system for potential problems, primarily by checking flow conditions. Influent piping was cleaned of biological growth using a mechanical pipe cleaner. No issues were identified.

Refer to Section 3.1.9.4 for information on water quality monitoring.

## **2.6 Sign Inspection**

The RFLMA requires that signs (“U.S. Department of Energy – No Trespassing”) be posted at intervals around the perimeter of the COU sufficient to notify people that they are at the COU boundary. In addition, signs listing the ICs and providing contact information must be posted at COU access points. The signs are required by the remedy as physical controls, are inspected quarterly, and are maintained through repair or replacement as needed. Physical controls protect the engineered components of the remedy, including landfill covers, groundwater collection and treatment systems, and monitoring equipment, which are also inspected routinely during monitoring and maintenance activities.

The quarterly COU sign inspection for the first quarter of CY 2024 was conducted on March 27, 2024. A few signs had to be reattached and one sign had to be replaced.

## **2.7 Erosion Control and Revegetation**

Monitoring and maintenance of the Site erosion control features were performed throughout the first quarter of CY 2024, including extra inspections following high-wind or precipitation events. Stakes securing the erosion wattles, matting, and GeoRidge erosion controls that were loosened or displaced by high winds, precipitation, or wildlife were routinely resecured. Sediment was removed from behind wattles and GeoRidges as needed and spread in vegetated areas upgradient of the erosion controls. As required by the RFLMA ICs, erosion controls were installed and maintained, according to the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE 2007), for surface soil disturbance activities conducted during the first quarter of CY 2024.

# **3.0 Environmental Monitoring**

This section summarizes the environmental monitoring conducted in accordance with RFLMA Attachment 2 (CDPHE et al. 2007). RFLMA Attachment 2, Table 1, “Surface Water Standards,” is used in conjunction with the evaluation flowcharts also found in the attachment to evaluate analytical data and determine reportable conditions. Reportable conditions, as defined in RFLMA Attachment 2, Section 6.0, “Action Determinations,” require consultation between the RFLMA Parties (DOE, the Colorado Department of Public Health and Environment, and the U.S. Environmental Protection Agency) to determine appropriate actions.

In this report, a condition described as “reportable” means that an analyte concentration at a surface water Point of Compliance (POC) or Point of Evaluation (POE) monitoring location has exceeded a RFLMA Table 1 water quality standard consistent with the evaluation flowcharts in Attachment 2 of the RFLMA. This term can also be applied to groundwater monitoring wells classified as Area of Concern (AOC) wells, also described in the flowcharts in Attachment 2 of the RFLMA. DOE is required to inform the RFLMA Parties and the public of a reportable condition within 15 days of receiving validated data. Within 30 days of receiving validated data, DOE is required to submit a plan and schedule to the regulatory agencies for an evaluation to address the occurrence.

In this report, plutonium (Pu) refers to plutonium-239, 240 or  $^{239}\text{Pu} + ^{240}\text{Pu}$ ; americium (Am) refers to americium-241 or  $^{241}\text{Am}$ ; and nitrate refers to nitrate + nitrite as nitrogen (N). In addition, the terms “activity” and “concentration” are used interchangeably for both Pu and Am to represent the amount of radioactivity or radioactive material per unit of water (e.g., picocuries per liter).

## 3.1 Water Monitoring

This section includes:

- A discussion of the routine analytical results for the POC, POE, PLF, and OLF surface water monitoring objectives and identification of any reportable conditions.
- Summaries of the routine groundwater monitoring at AOC wells, Sentinel wells, Evaluation wells, and Resource Conservation and Recovery Act (RCRA) wells; treatment system and associated performance monitoring; and Surface Water Support monitoring at the Site.

RFLMA Attachment 2 and the RFSOG offer details about the monitoring locations, sampling criteria, and evaluation protocols for the water monitoring objectives mentioned in the following sections. Appendix B of this report provides analytical water quality data for the first quarter of CY 2024. The annual report for CY 2024 will provide a more detailed interpretation and discussion of the water quality data.

### 3.1.1 Water Monitoring Highlights

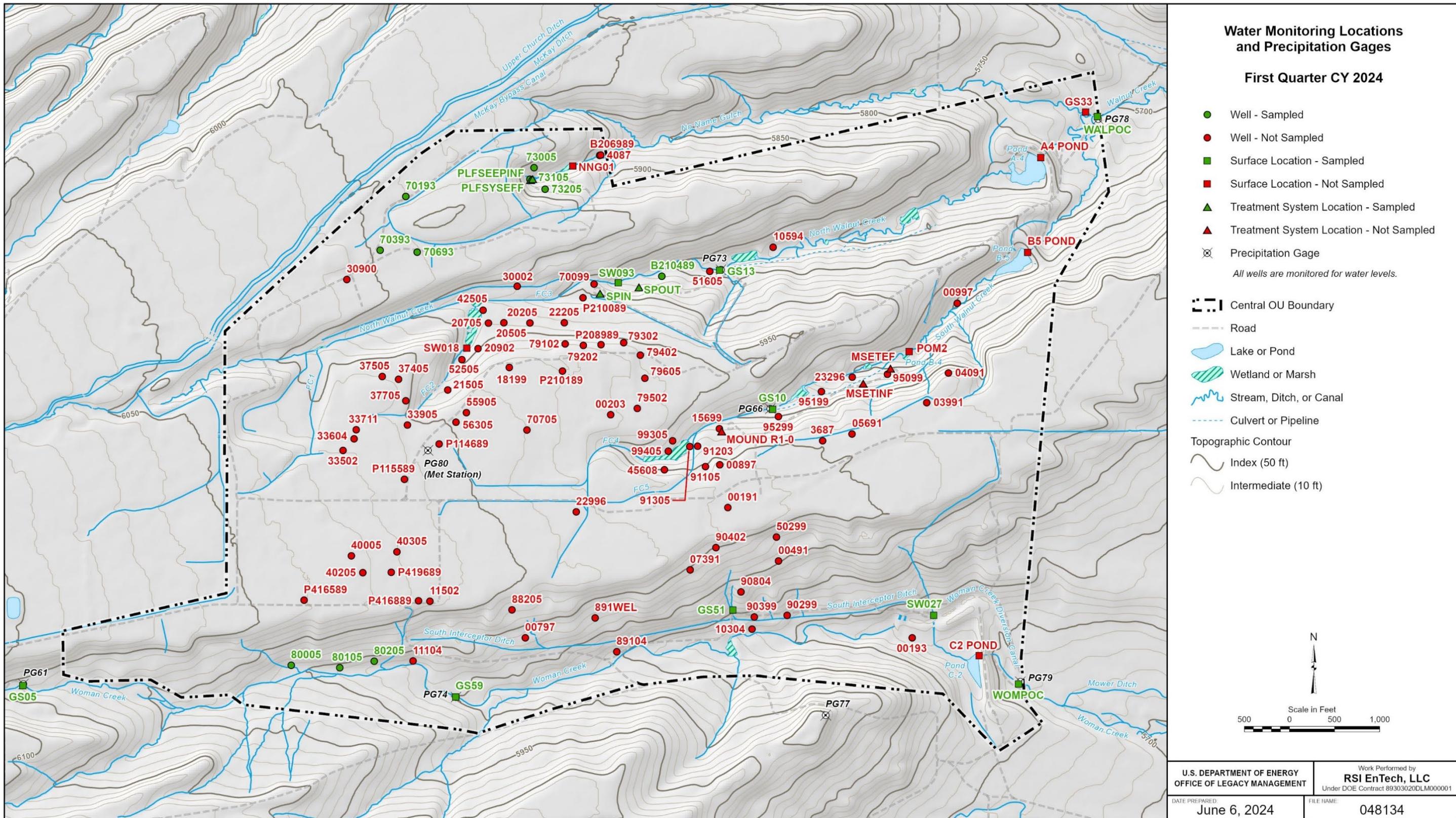
During the first quarter of CY 2024, water monitoring met the targeted monitoring objectives required by the RFLMA. The routine RFLMA network consists of 8 automated gaging stations, 11 surface water grab sampling locations, 7 groundwater treatment system locations, and 88 groundwater monitoring locations. Additional locations are occasionally sampled in support of investigations in response to reportable conditions. During the first quarter, 38 flow-paced, composite surface water samples; 12 surface water grab samples; 16 treatment system grab samples; and 10 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analysis.<sup>2</sup> Figure 1 shows the monitoring locations sampled during the first quarter of CY 2024.

All analyte concentrations at POE locations GS10, SW027, and SW093 remained below reportable condition levels during the first quarter of CY 2024.

All analyte concentrations at POC locations WALPOC and WOMPOC also remained below reportable condition levels during the first quarter of CY 2024.

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<sup>2</sup> Composite samples consist of multiple aliquots (“grabs”) of identical volume. Each grab is delivered by the automatic sampler to the composite container at each predetermined flow volume or time interval. During the first quarter of CY 2024, the 38 flow-paced composites comprised 2206 individual grabs.



Abbreviations: ft = feet, OU = Operable Unit

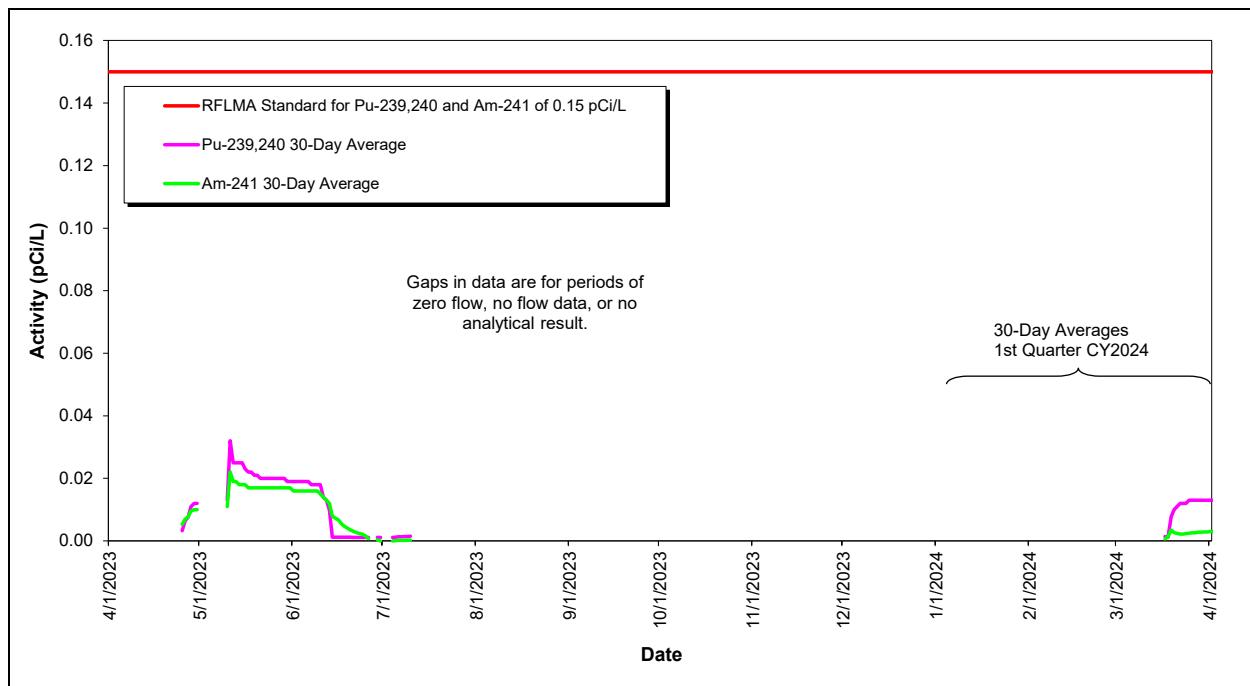
Figure 1. Rocky Flats Site Water Monitoring Locations and Precipitation Gages

### 3.1.2 POC Monitoring

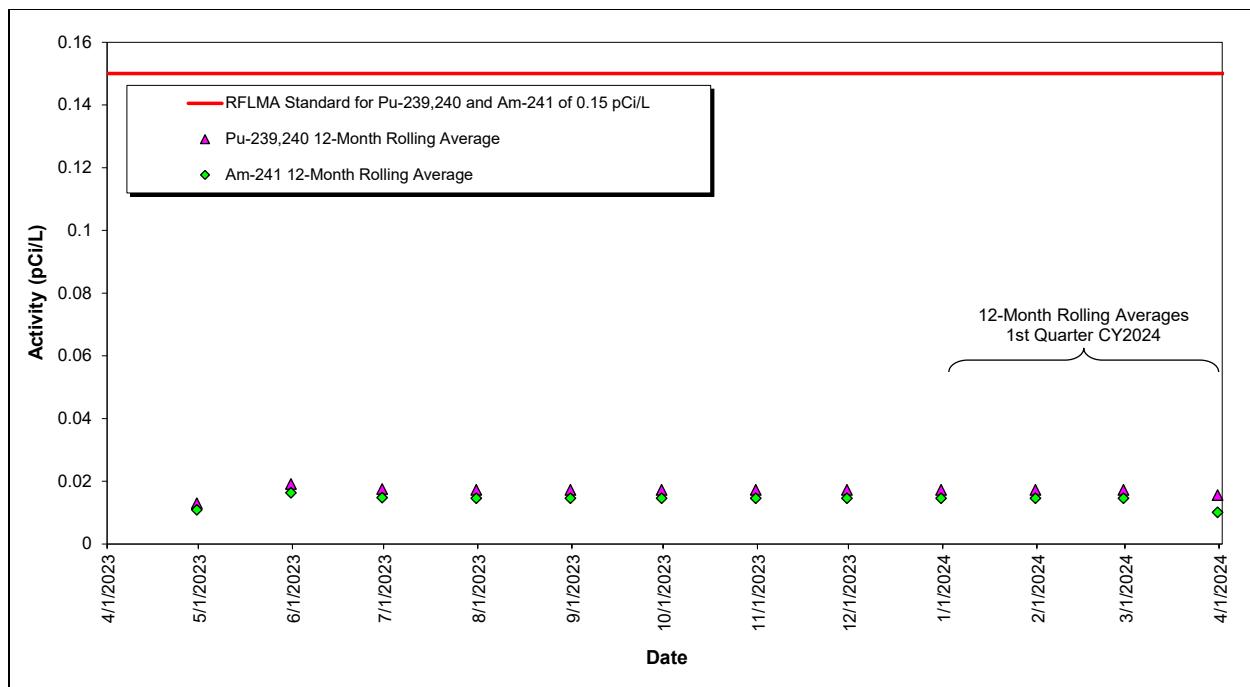
The following sections include summary tables and plots showing the applicable 30-day and 12-month rolling averages for the POC analytes.

#### 3.1.2.1 Monitoring Location WALPOC

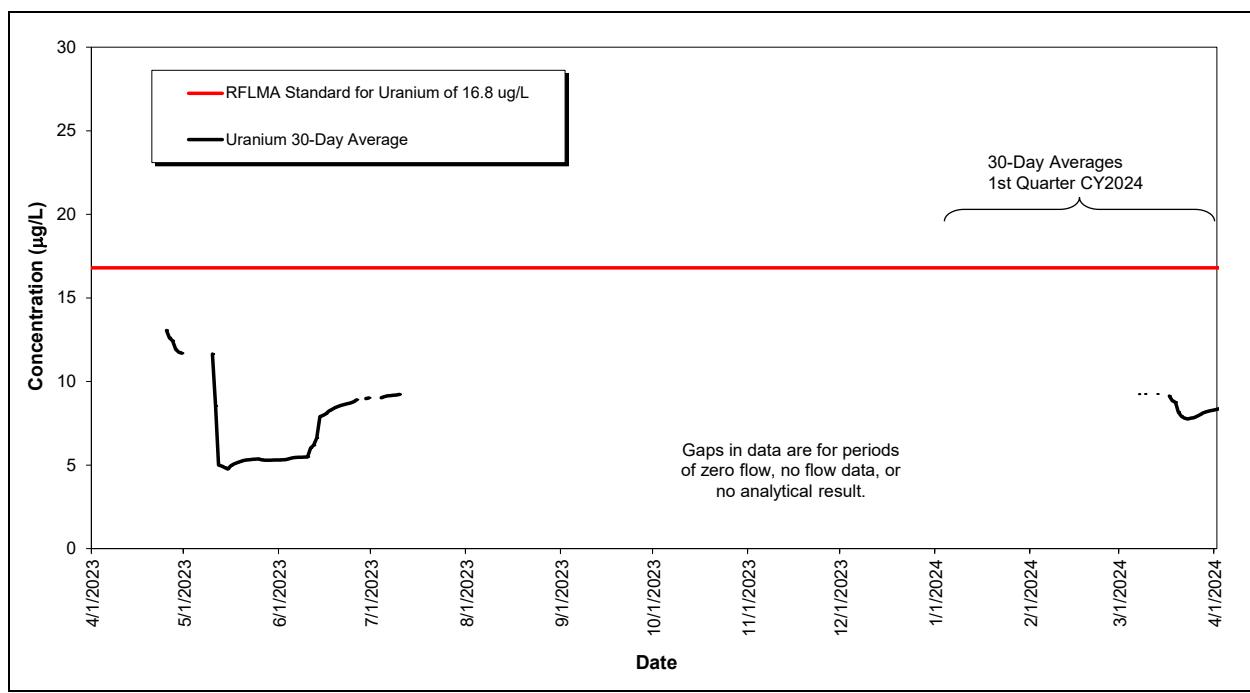
Monitoring location WALPOC is on Walnut Creek at the eastern COU boundary. Figure 2 through Figure 7 show 30-day and 12-month rolling averages for Am, Pu, uranium, and nitrate; no reportable conditions occurred during the first quarter of CY 2024. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.



*Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WALPOC: Year Ending First Quarter 2024*

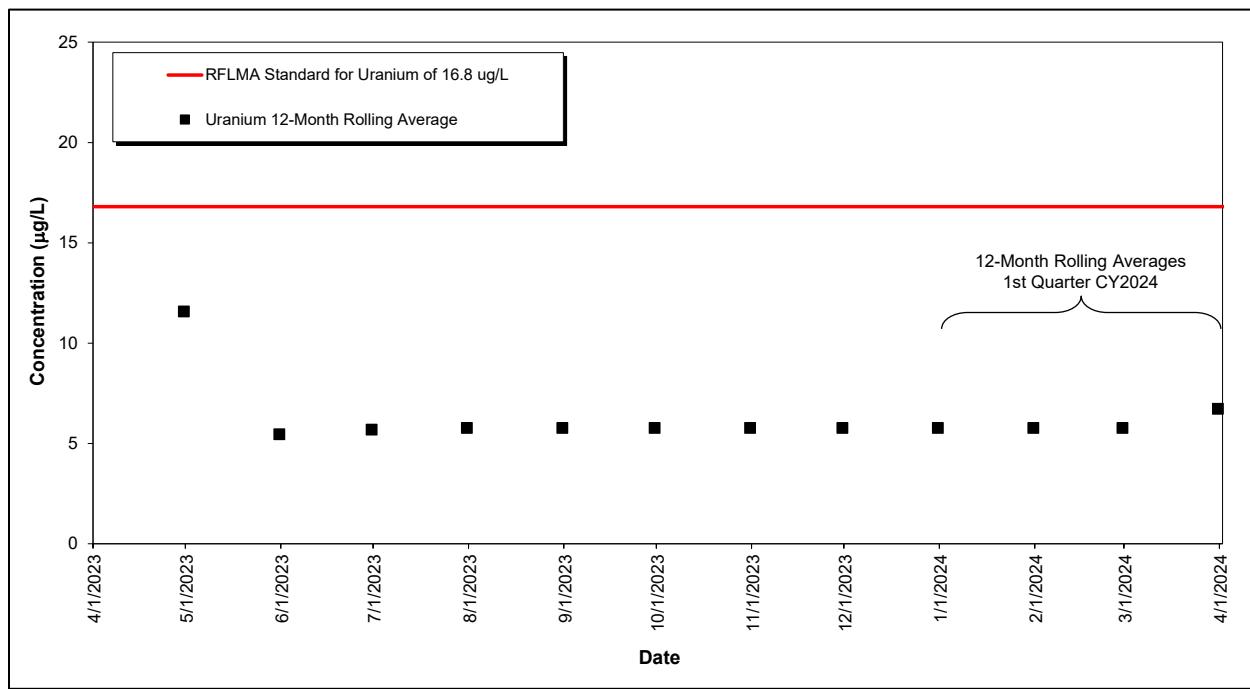


*Figure 3. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WALPOC: Year Ending First Quarter 2024*



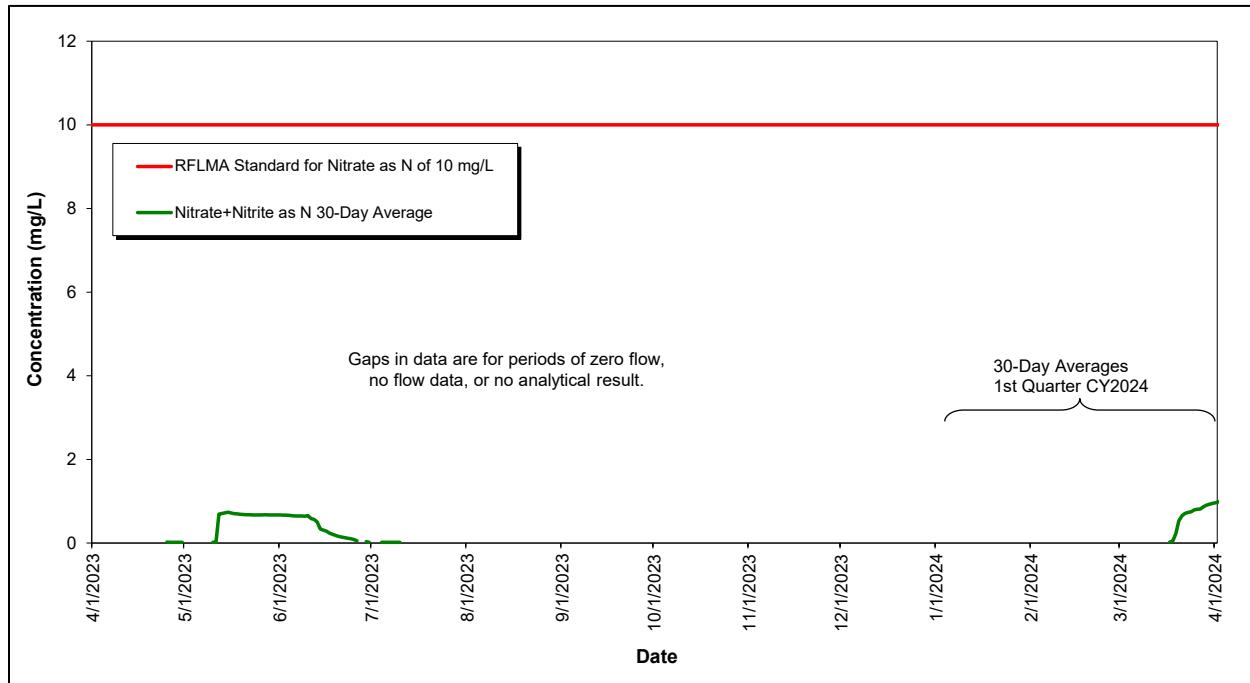
**Abbreviation:**  $\mu\text{g/L}$  = micrograms per liter

*Figure 4. Volume-Weighted 30-Day Average Uranium Concentrations at WALPOC: Year Ending First Quarter 2024*



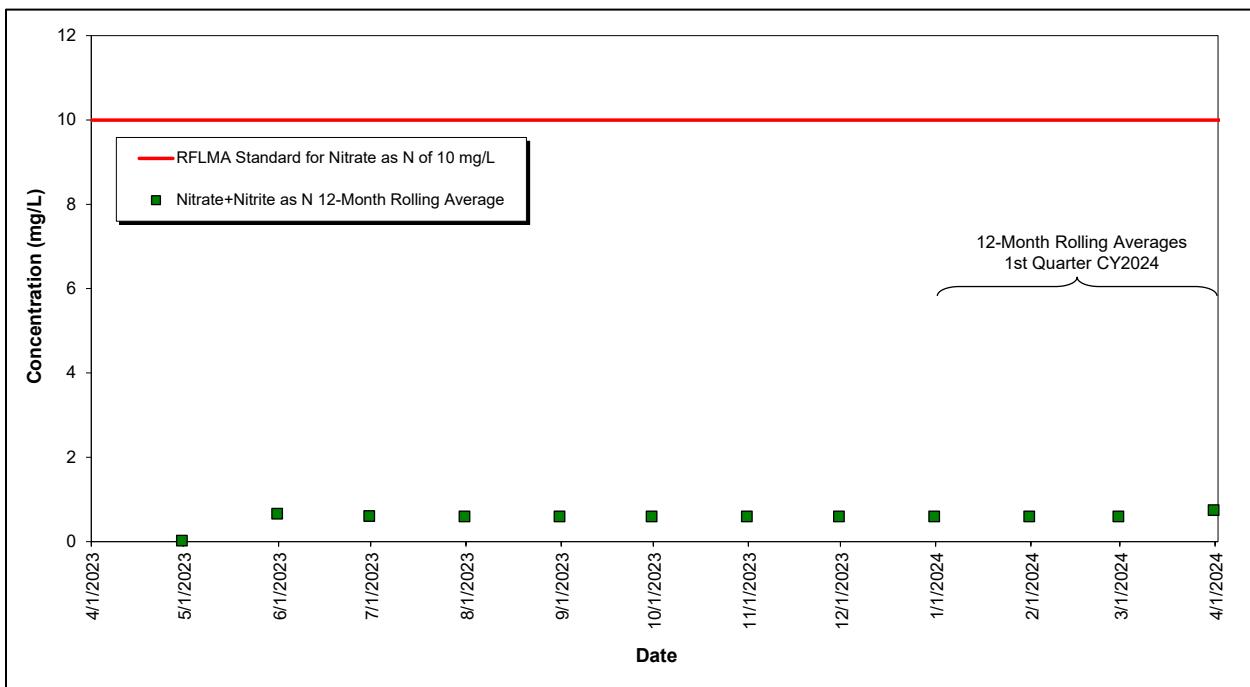
**Abbreviation:**  $\mu\text{g/L}$  = micrograms per liter

*Figure 5. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WALPOC: Year Ending First Quarter 2024*



**Abbreviation:** mg/L = milligrams per liter

*Figure 6. Volume-Weighted 30-Day Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending First Quarter 2024*

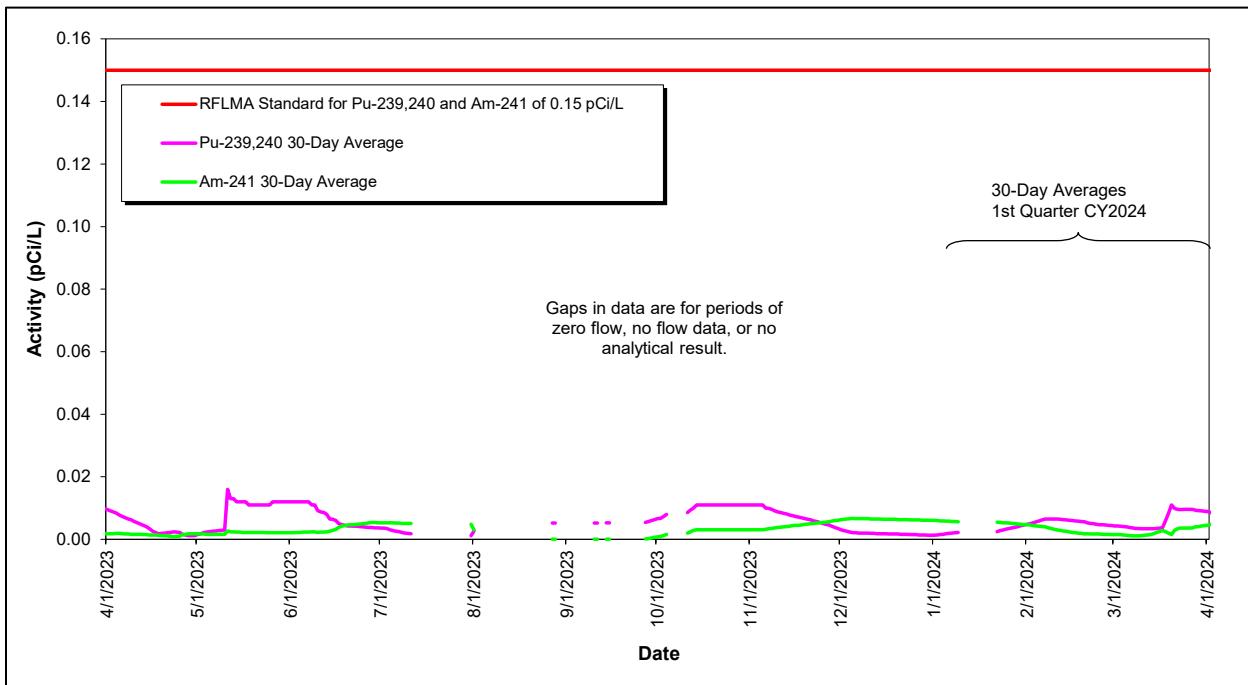


**Abbreviation:** mg/L = milligrams per liter

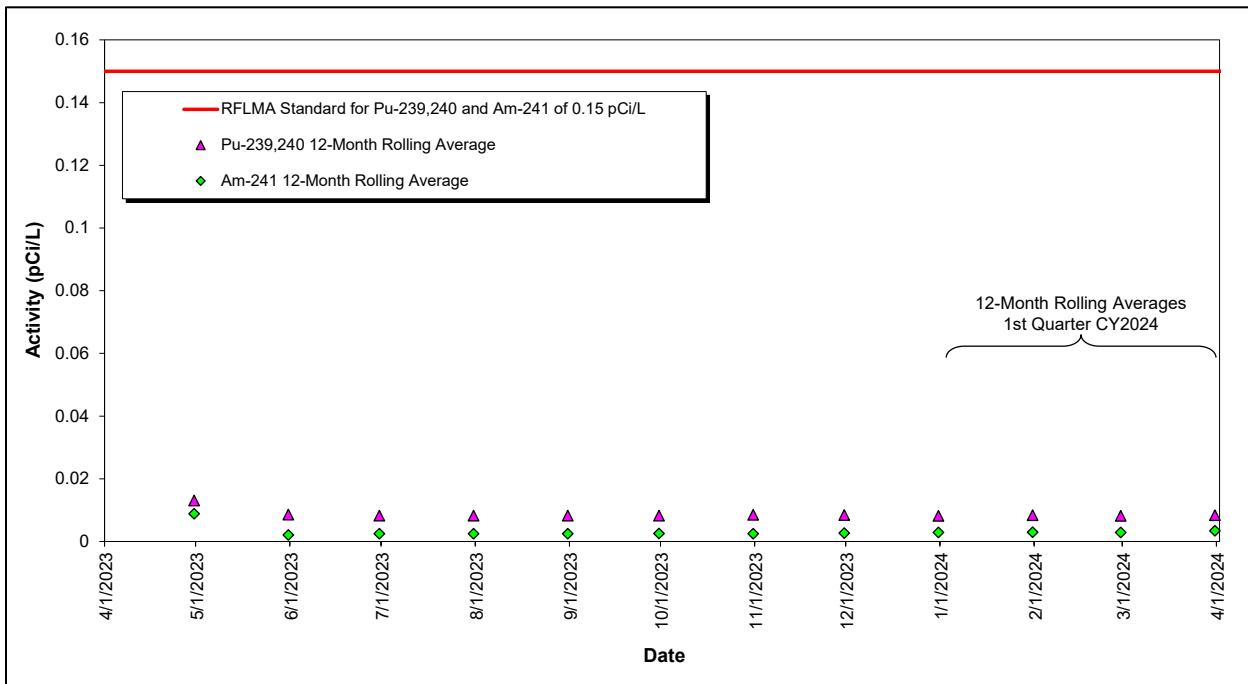
*Figure 7. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending First Quarter 2024*

### 3.1.2.2 Monitoring Location WOMPOC

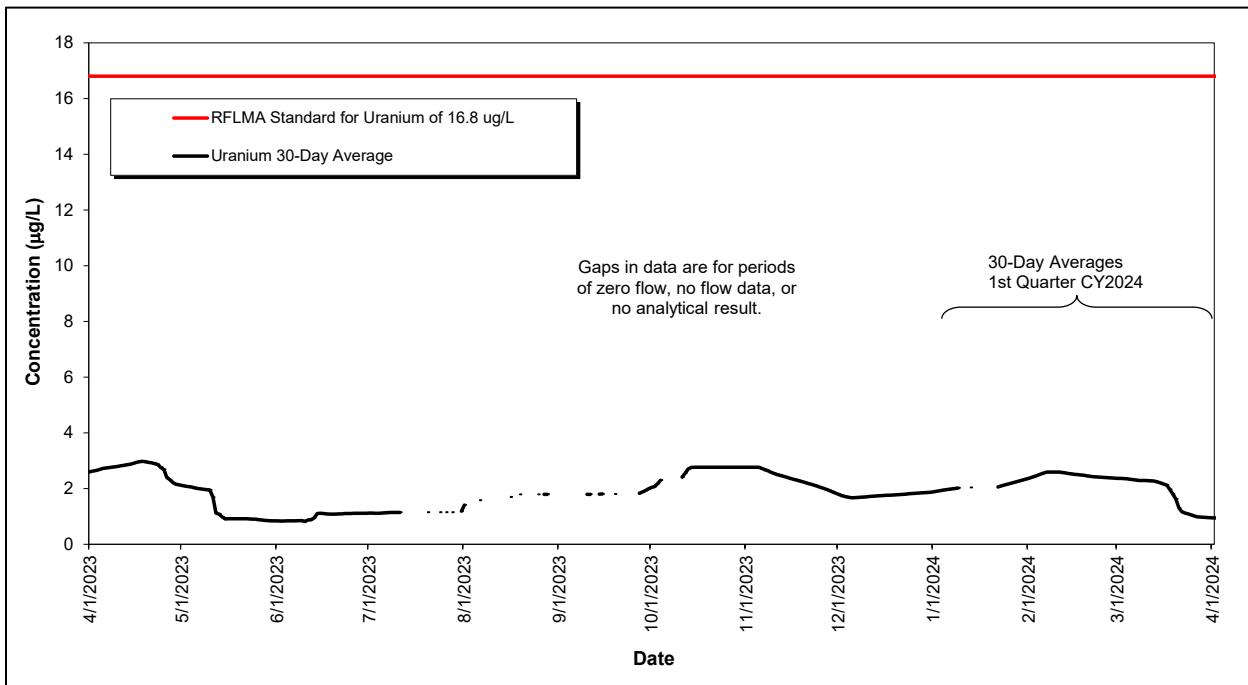
Monitoring location WOMPOC is on Woman Creek at the eastern COU boundary. Figure 8 through Figure 11 show no occurrences of a reportable condition for 30-day or 12-month rolling averages for Am, Pu, or uranium during the first quarter of CY 2024. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.



*Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WOMPOC: Year Ending First Quarter 2024*

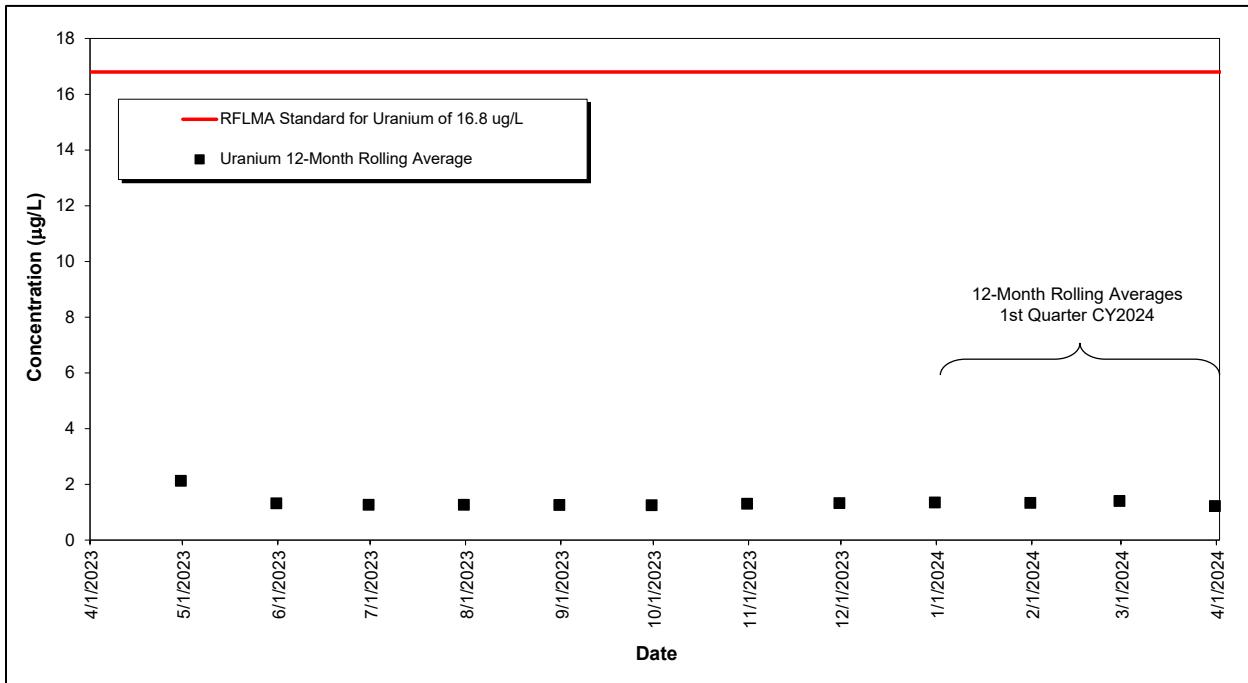


*Figure 9. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WOMPOC: Year Ending First Quarter 2024*



**Abbreviation:**  $\mu\text{g/L}$  = micrograms per liter

*Figure 10. Volume-Weighted 30-Day Average Uranium Concentrations at WOMPOC: Year Ending First Quarter 2024*



**Abbreviation:**  $\mu\text{g/L}$  = micrograms per liter

*Figure 11. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WOMPOC: Year Ending First Quarter 2024*

### 3.1.3 POE Monitoring

The following sections include summary plots showing the applicable 12-month rolling averages for the POE analytes.

#### 3.1.3.1 Monitoring Location GS10

Monitoring location GS10 is on South Walnut Creek just upstream of the B-Series ponds. Figure 12 and Figure 13 show no occurrences of a reportable condition for Am, Pu, or uranium during the first quarter of 2024. The method for calculating the 12-month rolling averages is detailed in the annual report.

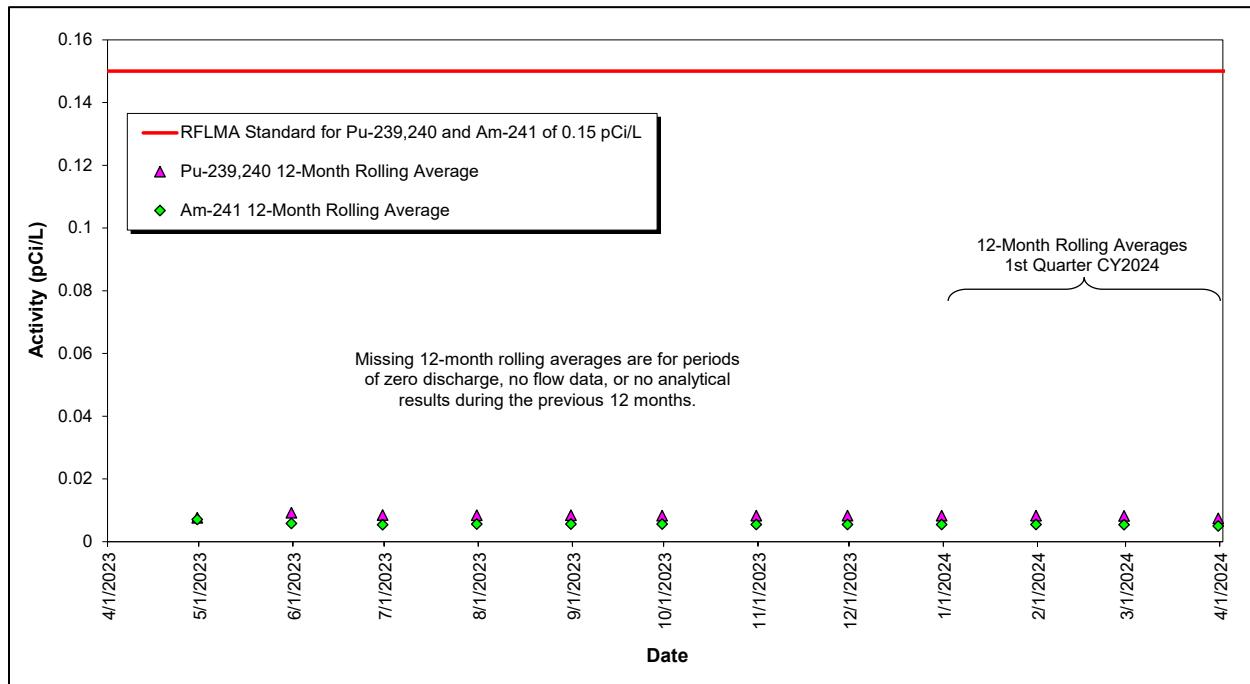
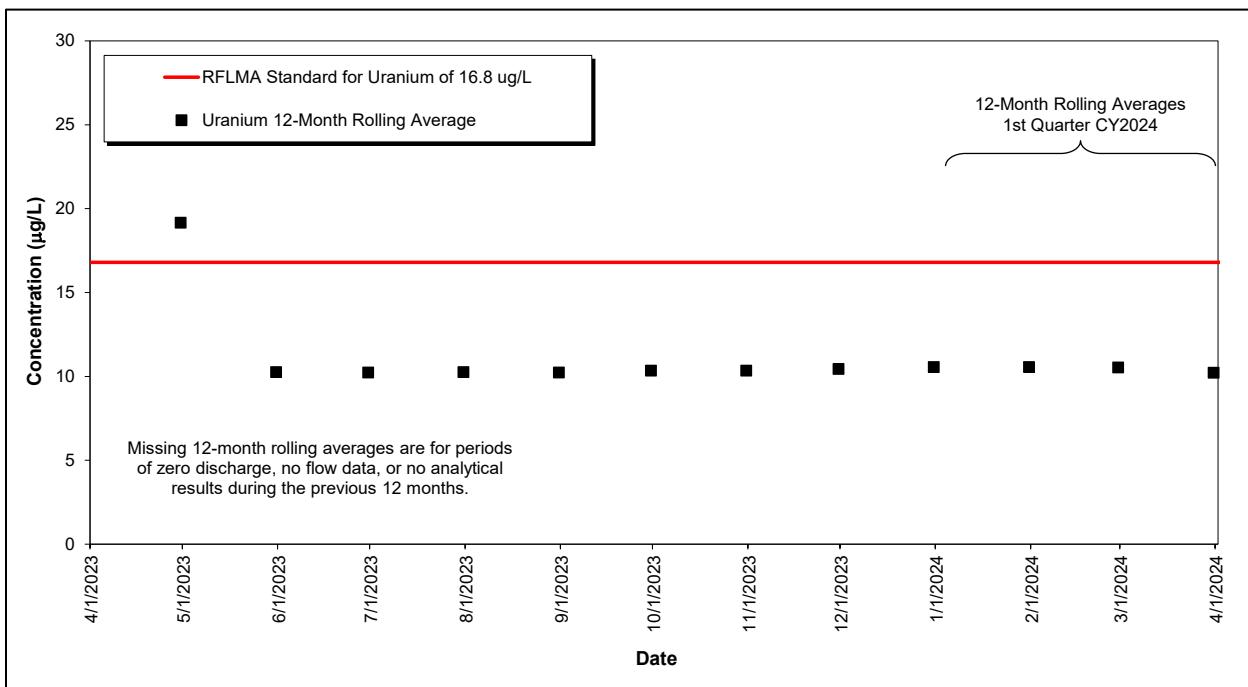


Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10: Year Ending First Quarter 2024



**Abbreviation:**  $\mu\text{g/L}$  = micrograms per liter

*Figure 13. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at GS10: Year Ending First Quarter 2024*

### 3.1.3.2 Monitoring Location SW027

Monitoring location SW027 is at the downstream end of the South Interceptor Ditch at the inlet to Pond C-2. Figure 14 and Figure 15 show that there were no reportable conditions for Pu, Am, or uranium at SW027 during the first quarter of CY 2024. The method for calculating the 12-month rolling averages is detailed in the annual report.

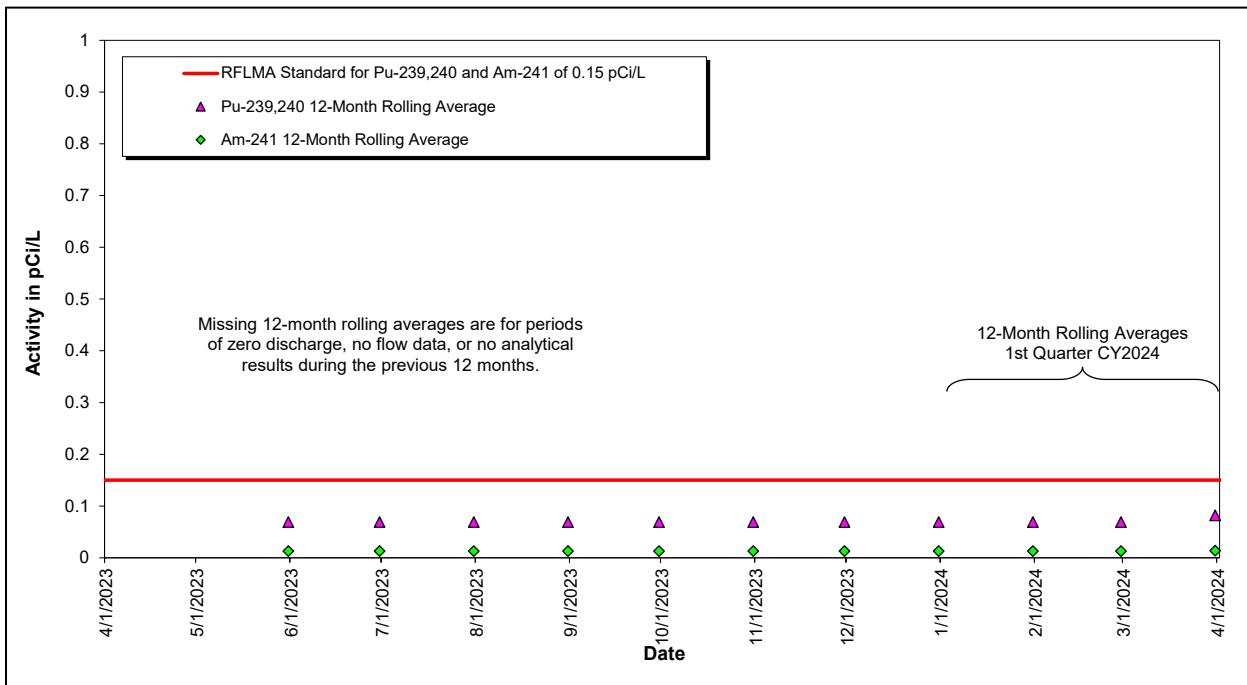
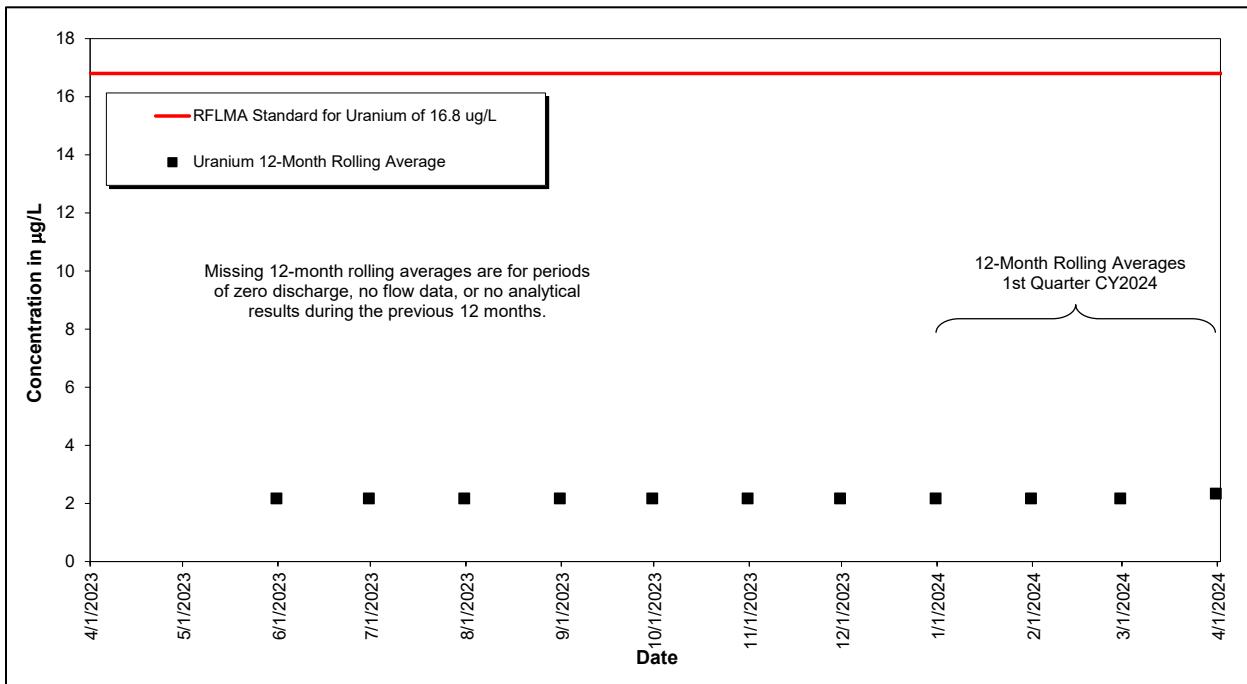


Figure 14. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027: Year Ending First Quarter 2024



Abbreviation: µg/L = micrograms per liter

Figure 15. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW027: Year Ending First Quarter 2024

### 3.1.3.3 Monitoring Location SW093

Monitoring location SW093 is on North Walnut Creek, 1300 feet upstream of former Pond A-1. Figure 16 and Figure 17 show that there were no reportable conditions for Pu, Am, or uranium at SW093 through the first quarter of CY 2024. The method for calculating the 12-month rolling averages is detailed in the annual report.

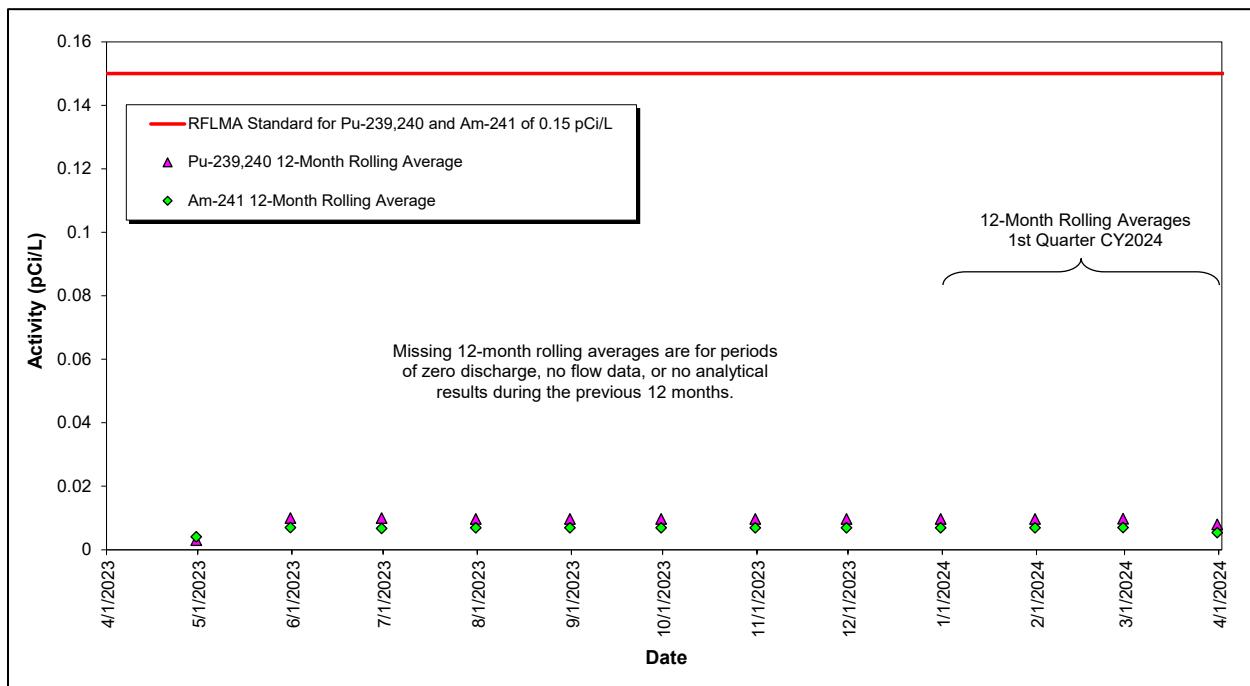
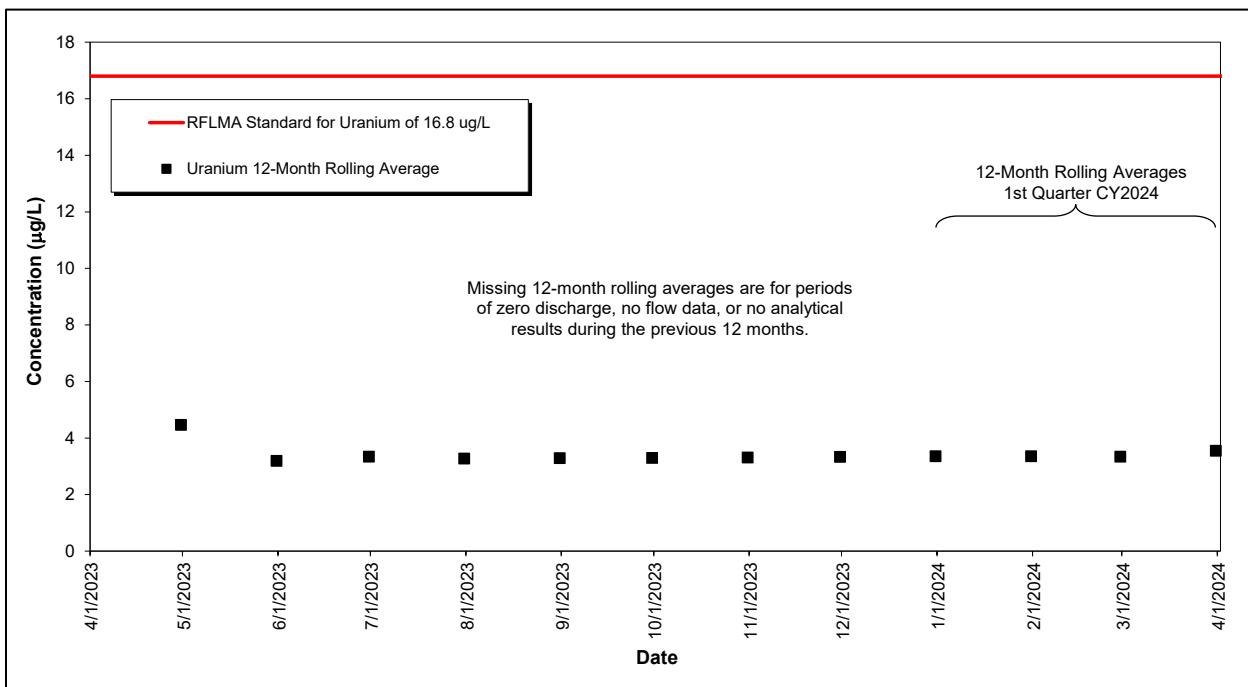


Figure 16. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Year Ending First Quarter 2024



*Figure 17. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW093: Year Ending First Quarter 2024*

### **3.1.4 AOC Wells and Surface Water Support Location SW018**

Neither the AOC wells nor Surface Water Support location SW018 were scheduled for RFLMA monitoring in the first quarter of CY 2024.

### **3.1.5 Sentinel Wells**

None of the Sentinel wells were scheduled for RFLMA monitoring in the first quarter of CY 2024.

### **3.1.6 Evaluation Wells**

None of the Evaluation wells were scheduled for RFLMA monitoring in the first quarter of CY 2024. However, Evaluation well B210489 was sampled to support consideration of its replacement in case that is deemed necessary due to encroachment of the NWCS. The annual report for CY 2024 will provide additional discussion of this topic.

### **3.1.7 PLF Monitoring**

The six RCRA wells at the PLF were scheduled for RFLMA monitoring during the first quarter of CY 2024. Analytical results (Appendix B) were generally consistent with previous data. Additional discussion and statistical evaluation will be provided in the annual report for CY 2024. Section 3.1.9.4 discusses monitoring at the PLFTS.

### **3.1.8 OLF Monitoring**

The four RCRA wells at the OLF were scheduled for RFLMA monitoring during the first quarter of CY 2024. Upgradient well P416589 could not be sampled this quarter due to dry conditions. Analytical results for the other three wells (Appendix B) were generally consistent with previous data. Additional discussion and statistical evaluation will be provided in the annual report for CY 2024.

During the first quarter of CY 2024, when routine surface water sampling was performed in Woman Creek downstream of the OLF (location GS59), the mean concentrations for all analytes were below the applicable surface water standards.

### **3.1.9 Groundwater Treatment System Monitoring**

As described in Section 2.5, contaminated groundwater is intercepted and treated by the onsite groundwater treatment systems. The MSPCS,<sup>3</sup> ETPTS, and SPPTS each include a groundwater intercept trench. The PLFTS treats groundwater from the northern and southern components of the Groundwater Intercept System and groundwater that discharges from the PLF seep.

#### ***3.1.9.1 Mound Site Plume Collection System***

None of the MSPCS monitoring locations were scheduled for RFLMA monitoring in the first quarter of CY 2024.

#### ***3.1.9.2 East Trenches Plume Treatment System***

None of the ETPTS monitoring locations were scheduled for RFLMA monitoring in the first quarter of CY 2024.

#### ***3.1.9.3 Solar Ponds Plume Treatment System***

None of the SPPTS monitoring locations were scheduled for RFLMA monitoring in the first quarter of CY 2024.

However, nonroutine samples were collected at the SPPTS during the first quarter of CY 2024 to support the *Surface Water Configuration Adaptive Management Plan for the Rocky Flats, Colorado, Site*, also called the Adaptive Management Plan (DOE 2021b). Analytical results (Appendix B) were generally consistent with previous data. Further discussion will be provided in the Adaptive Management Plan annual report for 2024 and the RFLMA annual report for CY 2024.

#### ***3.1.9.4 Present Landfill Treatment System***

During collection of the first quarter CY 2024 samples from the PLFTS, the seep influent flow rate was measured at 1.1 gallons per minute. The routine RFLMA quarterly effluent sample was collected on January 9, 2024. Concentrations for all analytes in the effluent sample except boron were below the applicable RFLMA standards.

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<sup>3</sup> The MSPCS is discussed in this section for consistency and convenience, even though treatment is no longer performed there.

Although the PLFTS is not intended to treat metals, the boron concentration at the system effluent regularly exceeds the RFLMA Table 1 standard. The RFLMA Parties are conducting an ongoing evaluation to determine an appropriate path forward. A year of additional sampling for boron downstream of the PLFTS effluent was completed at the end of the third quarter of CY 2023; the RFLMA Parties are currently evaluating the data and determining a path forward. Details regarding RFLMA consultations related to PLFTS boron concentrations can be found in Contact Record (CR) 2006-02 and CR 2022-02.

### **3.1.10 Predischarge Monitoring**

No predischarge samples were collected from Ponds A-4, B-5, or C-2 during the first quarter of CY 2024. All three ponds were continuously operated in a flow-through configuration.

## **4.0 Adverse Biological Conditions**

No evidence of adverse biological conditions (e.g., unexpected mortality or morbidity) was observed during monitoring and maintenance activities in the first quarter of CY 2024.

## **5.0 Ecological Monitoring**

During the first quarter of CY 2024, few ecological field activities were conducted because it was winter. Vegetation management activities included interseeding native grasses in areas that had sparse vegetation growth and treating Russian olive trees using the cut-stump method (Colorado state listed noxious weed). Wildlife-related activities consisted of observing the elk population, adding wildlife crossings to facilitate wildlife movement, performing maintenance of bird nest boxes, and checking for the presence of black-tailed prairie dogs.

No active prairie dog towns were observed within the COU boundaries; however, prairie dog activity was noted northeast of the COU boundary. Numerous black-tailed prairie dogs and burrows were noted to the northeast of the COU, south of Highway 128 near the Rocky Flats National Wildlife Refuge parking lot where prairie dog relocations have been taking place.

More details on ecological monitoring and associated land management activities will be provided in the annual report for CY 2024.

## **6.0 References**

CDPHE (Colorado Department of Public Health and Environment), DOE (U.S. Department of Energy), and EPA (U.S. Environmental Protection Agency), 2007. *Rocky Flats Legacy Management Agreement*, executed on March 14, Attachment 2 updated December 2018.

DOE (U.S. Department of Energy), 2007. *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, Office of Legacy Management, July.

DOE (U.S. Department of Energy), 2009. *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan*, LMS/RFS/S05516, Office of Legacy Management, September.

DOE (U.S. Department of Energy), 2014. *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan, U.S. Department of Energy Rocky Flats, Colorado, Site*, LMS/RFS/S03965, Office of Legacy Management, December.

DOE (U.S. Department of Energy), 2021a. *Rocky Flats Site, Colorado, Site Operations Guide*, LMS/RFS/S03037, Office of Legacy Management, December.

DOE (U.S. Department of Energy), 2021b. *Surface Water Configuration Adaptive Management Plan for the Rocky Flats, Colorado, Site*, LMS/RFS/S07698, Office of Legacy Management, December.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2006. *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit*, EPA/541/R-06/197, September 29, amended September 21, 2011.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2011. *Corrective Action Decision/Record of Decision Amendment for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit*, September 21.

## **Appendix A**

### **Landfill Inspection Forms and Survey Data, First Quarter 2024**

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn

Date: 1/18/24 Time: 1415

Precipitation: MET\* 0.59 inch NREL\*

NA

Weather: Overcast, snow, 23°F

Report Type:  Monthly

Weather-related

Reviewed by: APRIL TISCHER

Digitally signed by APRIL  
TISCHER (Affiliate)  
Date: 2024.01.19 10:35:01  
-07'00'

Review date:

\*Since last report (Affiliate)

## Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	No	No	No	NA	
Berm 1 Basin - East	No	No	No	NA	
Berm 2 Basin	No	No	No	NA	
Berm 3 Basin	No	No	No	NA	
Berm 4 Basin	No	No	No	NA	
Berm 5 Basin	No	No	No	NA	
Berm 6 Basin	No	No	No	NA	
Berm 7 Basin	No	No	No	NA	
Buttress fill	No	No	No	NA	

Settlement monuments—inspect integrity. Intact: YES

Maintenance required, comments, and photo log:

Snow/drifts in some areas from previous week's snowfall.

No issues of subsidence/consolidation

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability				
Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover- West	NO	YES	NO	Seep 4, seep 7
Cover- East	NO	NO	NO	Seep 8B not on cover
Buttress fill side slope	NO	NO	NO	
West perimeter channel side slopes	NO	NO	NO	
East perimeter channel side slopes	NO	NO	NO	

Maintenance required, comments, and photo log:

*No issues with slope stability.*

Soil Cover and Buttress				
Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover- West	NO	NO	NO	
Cover- East	NO	NO	NO	
Buttress fill	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	

Maintenance required, comments, and photo log:

*No issues with soil cover and buttress.*

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation				
Seep	Visible Saturation	Visible Flow	Approximate Flow	Description
Seep 1*	YES	NO		
Seep 2/3*	NO			
Seep 4*	YES	NO		Snow-covered
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	NO		Snow-covered
Seep 8a	NO			
Seep 8b	NO			
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	Determined not a seep. See Footnote
Seep 8	YES	YES	1-2 gpm	
Maintenance required, comments, and photo log:				
No issues.				

\* Indicates seep was observed during or shortly after OLF closure in 2005.

**NOTE:** A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures						
Channels						
Structure	Visible Excessive Erosion, Gullying, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	NO	NO	NO	NO	NO	
Diversion Berm 2	NO	NO	NO	NO	NO	
Diversion Berm 3	NO	NO	NO	NO	NO	
Diversion Berm 4	NO	NO	NO	NO	NO	
Diversion Berm 5	NO	NO	NO	NO	NO	
Diversion Berm 6	NO	NO	NO	NO	NO	
Diversion Berm 7	NO	NO	NO	NO	NO	
West perimeter channel	NO	NO	NO	NO	NO	Wood straw cover is holding
East perimeter channel	NO	NO	NO	NO	NO	
Drains/Outfalls						
Structure	Visible Excessive Erosion, or Gullying	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments		
East Subsurface Drain – Solid pipe	NO	NO	NO			
East Subsurface Drain – Perforated pipe	NO	NO	NA	snow-filled outfall.		
French Drain (SID)	NO	NO	YES	~ 1 gpm		
Maintenance required and photo log:						
No issues.						

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

“Run-On” Control		
Area	Adversely Affecting OLF	Comments
Run-on to the OLF (any direction)	No	
Maintenance required and photo log:		
<p>No issues.</p>		
Violations of Institutional Controls		
Item	Comments	
Evidence of unauthorized <sup>1</sup> excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized <sup>1</sup> construction of roads, trails, or buildings on cover?	No	
Evidence of unauthorized <sup>1</sup> drilling of wells or use of groundwater?	No	
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	No	
Other observations, maintenance required, comments, and photo log:		
<p>No issues.</p>		

If “Yes” is marked on any item in the Institutional Controls section, immediately notify your supervisor.

<sup>1</sup> Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	Action	Date Completed	Comments
None	N/A	N/A	

## Signatures

Inspector signature:



Date: 1/18/2024

Reviewer signature:

APRIL TISCHER  
(Affiliate)

Date: \_\_\_\_\_

Digitally signed by APRIL  
TISCHER (Affiliate)  
Date: 2024.01.19 10:38:39  
-07'00'

Attachment 1: January 2024 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on January 18, 2024. The weather was overcast with snow and an ambient temperature of 23 °F during the inspection. The Rocky Flats Site meteorological tower recorded 0.59 inch of precipitation between this inspection and the previous monthly inspection performed on December 19, 2023.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on inspection forms that have since been repaired are not marked again on the form unless further action is required.

**Figure 1** provides an aerial view of the OLF hillside with the approximate locations of the report photographs (the photographs in **Figure 2** through **Figure 9** were taken on January 18, 2024).

Berms 1–7 were in good condition. Snow from mid-January was observed in channels and low-lying areas (**Figure 2**). The turf reinforcement mat (TRM) placed on Berm 2 during 2022 maintenance has remained in good condition (**Figure 3**). Settlement monuments across the landfill cover were in good condition (**Figure 4**). The East Perimeter Channel (EPC) was in good condition (**Figure 5**). The West Perimeter Channel (WPC) was in good condition (**Figure 6**). Wood mulch wattles meant to control sediment at the bottom of the WPC were replaced in August 2023 and have remained in good condition (**Figure 7**).

The Seep 4 and Seep 7 locations had a light snow cover. The Seep 8 location had a flow of 1–2 gallons per minute (gpm). All other historical seep locations were either dry or had light soil moisture from recent snowmelt.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 8**), the flow of which could not be determined due to the presence of snow at the outfall. No issues were noted with the South Interceptor Ditch (SID) (**Figure 9**), which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. It had a flow of approximately 1 gpm.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE-LM/1497-2007, LMS/RFS/S03416)<sup>1</sup> and under sitewide vegetation and revegetation plans, as appropriate. Established vegetation is visible across the hillside areas that were reseeded after the stabilization effort in 2019–2020.

### **Summary of January 2024 Inspection Findings**

Berms 1–7 were in good condition. Snow from mid-January was observed in channels and low-lying areas. The TRM on Berm 2 has remained in good condition. Settlement monuments across the landfill cover were in good condition. The EPC was in good condition. The WPC was in good condition. Wood mulch wattles meant to control sediment at the bottom of the WPC were replaced in August 2023 and

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<sup>1</sup> *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, LMS/RFS/S03416, continually updated, prepared by the LMS contractor for the U.S. Department of Energy Office of Legacy Management.

have remained in good condition. The Seep 4 and Seep 7 locations had a light snow cover. The Seep 8 location had a flow of 1–2 gpm. All other historical seep locations were either dry or had light soil moisture from recent snowmelt. No issues were noted with the ESSD, of which the flow could not be determined due to the presence of snow at the outfall. No issues were noted with the SID, which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. It had a flow of approximately 1 gpm.

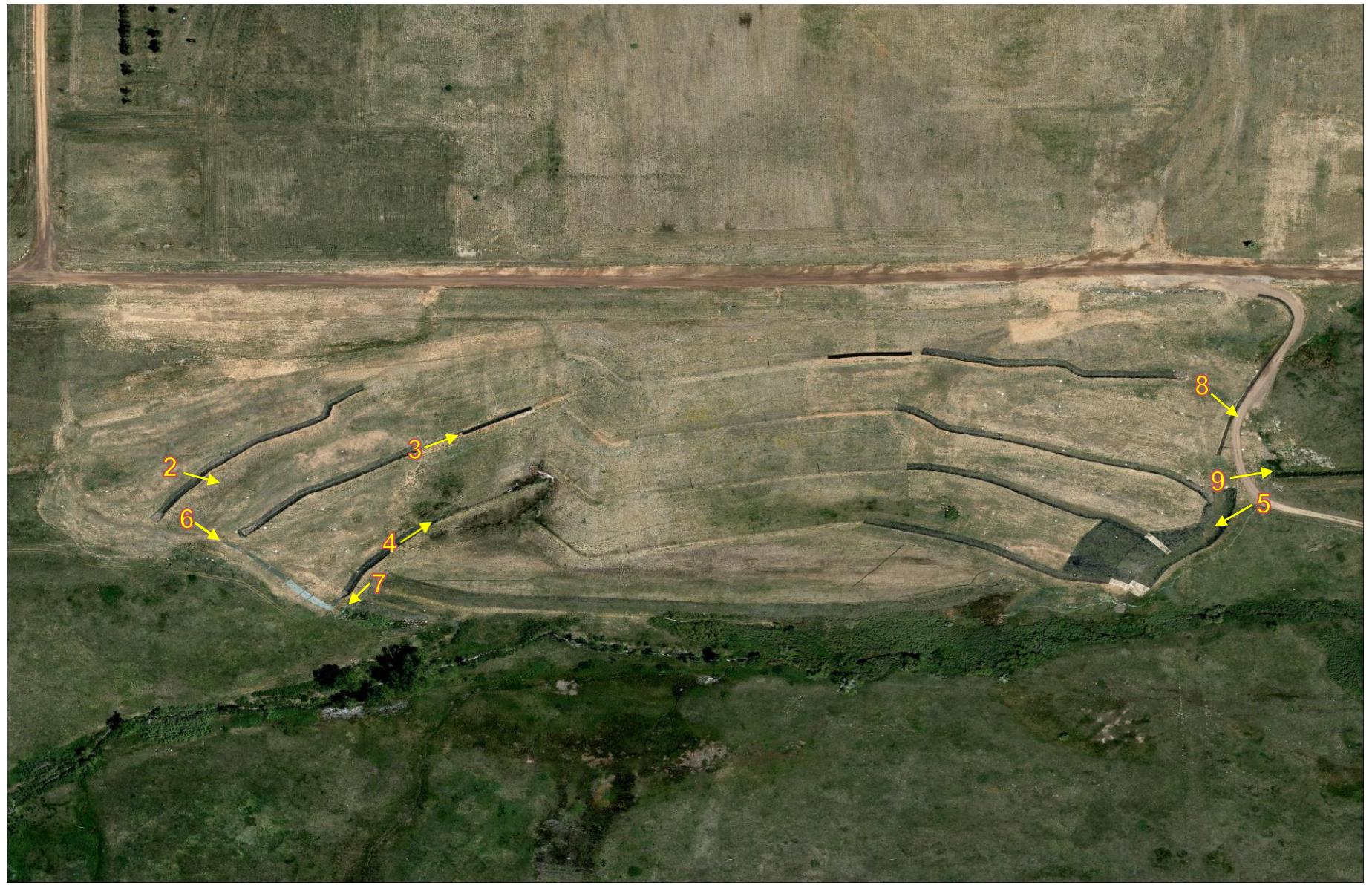


Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 19, 2023)



*Figure 2. Looking East-Southeast at Snow in the Berm 2 Channel from Mid-January Snowfall*



*Figure 3. Looking East-Northeast at the TRM on Berm 2, Which Has Remained in Good Condition Since Installation in December 2022*



Figure 4. Looking East-Northeast at Settlement Monuments (Circled in Red) Strategically Positioned Along the Western Half of the Landfill, Which Were in Good Condition



Figure 5. Looking Southwest at the EPC, Which Was in Good Condition



Figure 6. Looking Southeast at the WPC, Which Was in Good Condition



Figure 7. Looking West-Southwest at Wood Mulch Wattles Meant to Control Sediment at the Bottom of the WPC, Which Have Remained in Good Condition Since Replacement in August 2023



Figure 8. Looking Southeast at the ESSD Outfall, Where Flow Could Not Be Determined Due to the Presence of Snow



Figure 9. Looking East at the SID, Which Receives Groundwater from the ESSD Outfall and an Interceptor Drain on the Eastern Hillside and Had a Flow of Approximately 1 gpm

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 2/21/24 Time: 1300  
 Precipitation: MET\* NA NREL\* 1.17 inches Weather: Cloudy, 63°F Report Type:  Monthly  Weather-related  
 Reviewed by: APRIL TISCHER Review date: \_\_\_\_\_  
Digitally signed by APRIL TISCHER (Affiliate)  
 Date: 2024.02.26 08:43:29 -07'00'

## Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	NO	NO	NA	
Berm 1 Basin - East	NO	NO	NO		
Berm 2 Basin	NO	NO	NO		
Berm 3 Basin	NO	NO	NO		
Berm 4 Basin	NO	NO	NO		
Berm 5 Basin	NO	NO	NO		
Berm 6 Basin	NO	NO	NO		
Berm 7 Basin	NO	NO	NO		
Buttress fill	NO	NO	NO		

Settlement monuments—inspect integrity. Intact: YES

Maintenance required, comments, and photo log:

No issues.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

## Slope Stability

Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover- West	NO	YES	NO	Seeps 4 and 7
Cover- East	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	
West perimeter channel side slopes	NO	NO	NO	
East perimeter channel side slopes	NO	NO	NO	

Maintenance required, comments, and photo log:

No issues.

## Soil Cover and Buttress

Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover- West	NO	NO	NO	
Cover- East	NO	NO	NO	
Buttress fill	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	

Maintenance required, comments, and photo log:

No issues.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

## Seep Evaluation

Seep	Visible Saturation	Visible Flow	Approximate Flow	Description
Seep 1*	NO			
Seep 2/3*	NO			
Seep 4*	YES	NO		
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	NO		
Seep 8a	NO			
Seep 8b	NO			
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NO			
Seep 8	YES	YES	~ 1 gpm	

Maintenance required, comments, and photo log:

No issued.

\* Indicates seep was observed during or shortly after OLF closure in 2005.

**NOTE:** A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures						
Channels						
Structure	Visible Excessive Erosion, Gullying, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	NO	NO	NO	NO	NO	
Diversion Berm 2	NO	NO	NO	NO	NO	
Diversion Berm 3	NO	NO	NO	NO	NO	
Diversion Berm 4	NO	NO	NO	NO	NO	
Diversion Berm 5	NO	NO	NO	NO	NO	
Diversion Berm 6	NO	NO	NO	NO	NO	
Diversion Berm 7	NO	NO	NO	NO	NO	
West perimeter channel	NO	NO	NO	NO	NO	
East perimeter channel	NO	NO	NO	NO	NO	
Drains/Outfalls						
Structure	Visible Excessive Erosion, or Gullying	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments		
East Subsurface Drain – Solid pipe	NO	NO	NO			
East Subsurface Drain – Perforated pipe	NO	NO	YES	Flow < 1		
French Drain (SID)	NO	NO	YES	Flow ~ 1 gpm		

Maintenance required and photo log:

No issues.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

## “Run-On” Control

Area	Adversely Affecting OLF	Comments
Run-on to the OLF (any direction)	No	

Maintenance required and photo log:

No issues.

## Violations of Institutional Controls

Item	Comments
Evidence of unauthorized <sup>1</sup> excavations of cover and immediate vicinity of cover?	No
Evidence of unauthorized <sup>1</sup> construction of roads, trails, or buildings on cover?	No
Evidence of unauthorized <sup>1</sup> drilling of wells or use of groundwater?	No
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	No

Other observations, maintenance required, comments, and photo log:

No issues.

If “Yes” is marked on any item in the Institutional Controls section, immediately notify your supervisor.

<sup>1</sup> Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

## Action Items

Deficiency	Action	Date Completed	Comments
None	NA	NA	

## Signatures

Inspector signature:



Date: 2/21/2024

Reviewer signature:

APRIL TISCHER

(Affiliate)

Digitally signed by APRIL  
TISCHER (Affiliate)

Date: 2024.02.26 08:47:34  
-07'00'

Attachment 1: February 2024 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on February 21, 2024. The weather was cloudy with an ambient temperature of 63 °F during the inspection. The Rocky Flats Site meteorological tower is currently under maintenance. The National Renewable Energy Laboratory Flatirons Campus (M2) meteorological tower recorded 1.17 inches of precipitation between this inspection and the previous monthly inspection performed on January 18, 2024. Approximately 10 inches of snow fell from February 3–4 but without a subsequent rapid melt.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on inspection forms that have since been repaired are not marked again on the form unless further action is required.

**Figure 1** provides an aerial view of the OLF hillside with the approximate locations of the report photographs (the photographs in **Figure 2** through **Figure 10****Figure 9** were taken on February 21, 2024).

No issues were noted with Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**). The East Perimeter Channel (EPC) was in good condition (**Figure 4**) The West Perimeter Channel (WPC) was in good condition (**Figure 5**).

The Seep 4 (**Figure 6**) and Seep 7 (**Figure 7**) locations had light soil moisture. The Seep 8 location had a flow of approximately 1 gallon per minute (gpm) (**Figure 8**). All other historical seep locations were dry.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 9****Figure 9**), which had a flow of less than 1 gpm. No issues were noted with the South Interceptor Ditch (SID) (**Figure 10**), which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. It had a flow of approximately 1 gpm.

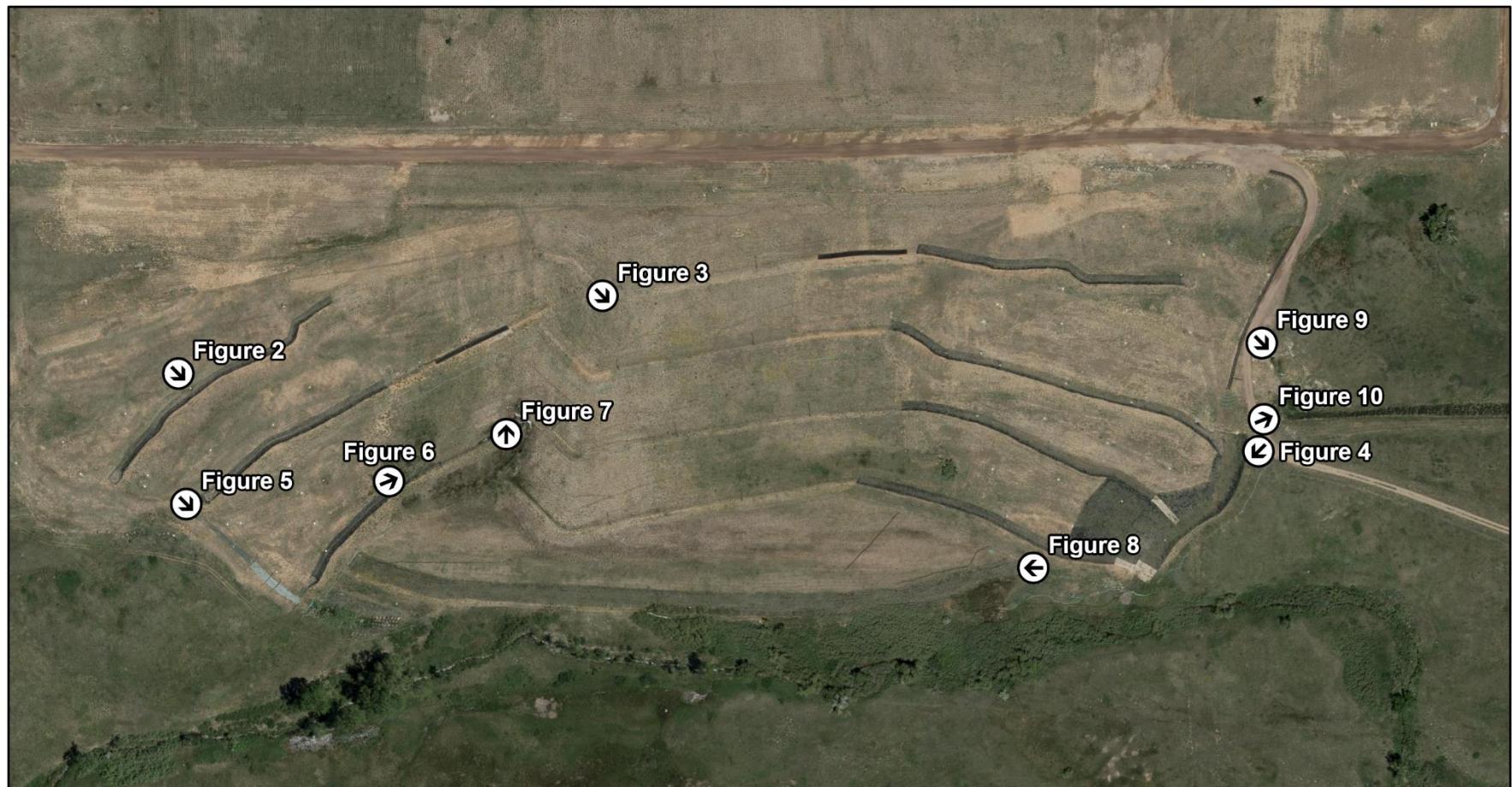
The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE-LM/1497-2007, LMS/RFS/S03416)<sup>1</sup> and under sitewide vegetation and revegetation plans, as appropriate. Established vegetation is visible across the hillside areas that were reseeded after the stabilization effort in 2019–2020.

### **Summary of February 2024 Inspection Findings**

Berms 1–7 were in good condition. The EPC was in good condition. The WPC was in good condition. The Seep 4 and Seep 7 locations had light soil moisture. The Seep 8 location had a flow of approximately 1 gpm. All other historical seep locations were dry. No issues were noted with the ESSD, which had a flow of less than 1 gpm. No issues were noted with the SID, which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. It had a flow of approximately 1 gpm.

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<sup>1</sup> *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, LMS/RFS/S03416, continually updated, prepared by the LMS contractor for the U.S. Department of Energy Office of Legacy Management.



↑ Photo Location and Direction

N

100 50 0 100 200  
Scale in Feet

U.S. DEPARTMENT OF ENERGY  
OFFICE OF LEGACY MANAGEMENT

Work Performed by  
**RSI EnTech, LLC**  
Under DOE Contract 89303020DLM000001

Original Landfill Inspection Photo Locations  
February 2024  
Rocky Flats Site, Colorado

DATE PREPARED:  
March 22, 2024

FILE NAME:  
047350

Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 19, 2023)



*Figure 2. Looking Southeast at Berms 1–3, Which Were in Good Condition*



*Figure 3. Looking Southeast at Berms 4–7, Which Were in Good Condition*



*Figure 4. Looking Southwest at the EPC, Which Was in Good Condition*



*Figure 5. Looking Southeast at the WPC, Which Was in Good Condition*



Figure 6. Looking East-Northeast at the Seep 4 Location, Which Had Light Soil Moisture



Figure 7. Looking North at the Seep 7 Location, Which Had Light Soil Moisture and Snow Present



Figure 8. Looking West at the Seep 8 Location, Which Had a Flow of Approximately 1 gpm



Figure 9. Looking Southeast at the ESSD Outfall, Which Had a Flow of Less Than 1 gpm



*Figure 10. Looking East-Northeast at the SID, Which Receives Groundwater from the ESSD Outfall and an Interceptor Drain on the Eastern Hillside and Had a Flow of Approximately 1 gpm*

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Kuhn Date: 3/28/24 Time: 1200  
 Precipitation: MET\* NA NREL\* 1.08 inches Weather: Partly Cloudy 59°F Report Type:  Monthly  Weather-related  
 Reviewed by: APRIL TISCHER Review date: \_\_\_\_\_  
Digitally signed by APRIL TISCHER (Affiliate)  
 Date: 2024.04.01

Subsidence/Consolidation					
Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	No	No	No	NA	
Berm 1 Basin - East	No	No	No		
Berm 2 Basin	No	No	No		
Berm 3 Basin	No	No	No		
Berm 4 Basin	No	No	No		
Berm 5 Basin	No	No	No		
Berm 6 Basin	No	No	No		
Berm 7 Basin	No	No	No		
Buttress fill	No	No	No	↓	
Settlement monuments—inspect integrity. Intact:		YES			
Maintenance required, comments, and photo log: No issues. Ground surface saturated due to recent snow melt.					

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability				
Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover- West	NO	YES	NO	Seeps 4 + 7
Cover- East	NO	NO	NO	Seep 8B not on cover
Buttress fill side slope	NO	NO	NO	
West perimeter channel side slopes	NO	NO	NO	
East perimeter channel side slopes	NO	NO	NO	
Maintenance required, comments, and photo log: No issues.				

Soil Cover and Buttress				
Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover- West	NO	NO	NO	
Cover- East	NO	NO	NO	
Buttress fill	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	
Maintenance required, comments, and photo log: No issues.				

## **Original Landfill – Monitoring and Maintenance Plan Inspection Form**

Seep	Visible Saturation	Visible Flow	Approximate Flow	Description
Seep 1*	YES	NO		
Seep 2/3*	NO			
Seep 4*	YES	NO		
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	YES	2-3 gpm	
Seep 8a	YES	NO		
Seep 8b	YES	NO		
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	Not official seep.
Seep 8	YES	YES	1-2 gpm	

Maintenance required, comments, and photo log:

Several seeps have soil moisture due to recent snowmelt.

\* Indicates seep was observed during or shortly after OLF closure in 2005.

**NOTE:** A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures						
Channels						
Structure	Visible Excessive Erosion, Gullying, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	NO	NO	NO	NO	NO	
Diversion Berm 2	NO	NO	NO	NO	NO	
Diversion Berm 3	NO	NO	NO	NO	NO	
Diversion Berm 4	NO	NO	NO	NO	NO	
Diversion Berm 5	NO	NO	NO	NO	NO	
Diversion Berm 6	NO	NO	NO	NO	NO	
Diversion Berm 7	NO	NO	NO	NO	NO	
West perimeter channel	NO	NO	NO	NO	NO	
East perimeter channel	NO	NO	NO	NO	NO	
Drains/Outfalls						
Structure	Visible Excessive Erosion, or Gullying	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments		
East Subsurface Drain – Solid pipe	NO	NO	NO			
East Subsurface Drain – Perforated pipe	NO	NO	YES	1-2 gpm		
French Drain (SID)	NO	NO	YES	2-3 gpm		

Maintenance required and photo log:

No issues. Georidges in WPC trampled by elk, but is not causing any issues currently. Replace ASAP.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

## "Run-On" Control

Area	Adversely Affecting OLF	Comments
Run-on to the OLF (any direction)	NO	

Maintenance required and photo log:

No issues.

## Violations of Institutional Controls

Item	Comments
Evidence of unauthorized <sup>1</sup> excavations of cover and immediate vicinity of cover?	NO
Evidence of unauthorized <sup>1</sup> construction of roads, trails, or buildings on cover?	NO
Evidence of unauthorized <sup>1</sup> drilling of wells or use of groundwater?	NO
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	NO

Other observations, maintenance required, comments, and photo log:

No issues.

If "Yes" is marked on any item in the Institutional Controls section, immediately notify your supervisor.

<sup>1</sup> Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

# Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	Action	Date Completed	Comments
WPC Georidges trampled	Replace as needed	3/28/24	

## Signatures

Inspector signature:



Date: 3/28/24

Reviewer signature:



Digitally signed by APRIL TISCHER  
(Affiliate)  
Date: 2024.04.01 10:00:33 -06'00'

Date: \_\_\_\_\_

Attachment 1: March 2024 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on March 28, 2024. The weather was partly cloudy with an ambient temperature of 59 °F during the inspection. The Rocky Flats Site meteorological tower is currently under maintenance. The National Renewable Energy Laboratory Flatirons Campus (M2) meteorological tower recorded 1.08 inches of precipitation between this inspection and the previous monthly inspection performed on February 21, 2024.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on inspection forms that have since been repaired are not marked again on the form unless further action is required.

**Figure 1** provides an aerial view of the OLF hillside with the approximate locations of the report photographs (the photographs in **Figure 2** through **Figure 10** were taken on March 28, 2024).

No issues were noted with Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**). The East Perimeter Channel (EPC) was in good condition (**Figure 4**). Three rows of GeoRidges on the lower end of the West Perimeter Channel (WPC) had signs of being trampled by elk (**Figure 5**). The damaged rows were replaced on April 5, 2024.

The Seep 4 location had visible saturation (**Figure 6**). The Seep 7 location had a flow of 2–3 gallons per minute (gpm) (**Figure 7**). The Seep 8 location had a flow of 1–2 gpm (**Figure 8**). The Seep 1, Seep 8a, and Seep 8b locations had visible moisture, likely due to recent snowmelt. All other historical seep locations were dry.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 9**), which had a flow of 1–2 gpm. No issues were noted with the South Interceptor Ditch (SID) (**Figure 10**), which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. It had a flow of 2–3 gpm.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE-LM/1497-2007, LMS/RFS/S03416)<sup>1</sup> and under sitewide vegetation and revegetation plans, as appropriate. Established vegetation is visible across the hillside areas that were reseeded after the stabilization effort in 2019–2020.

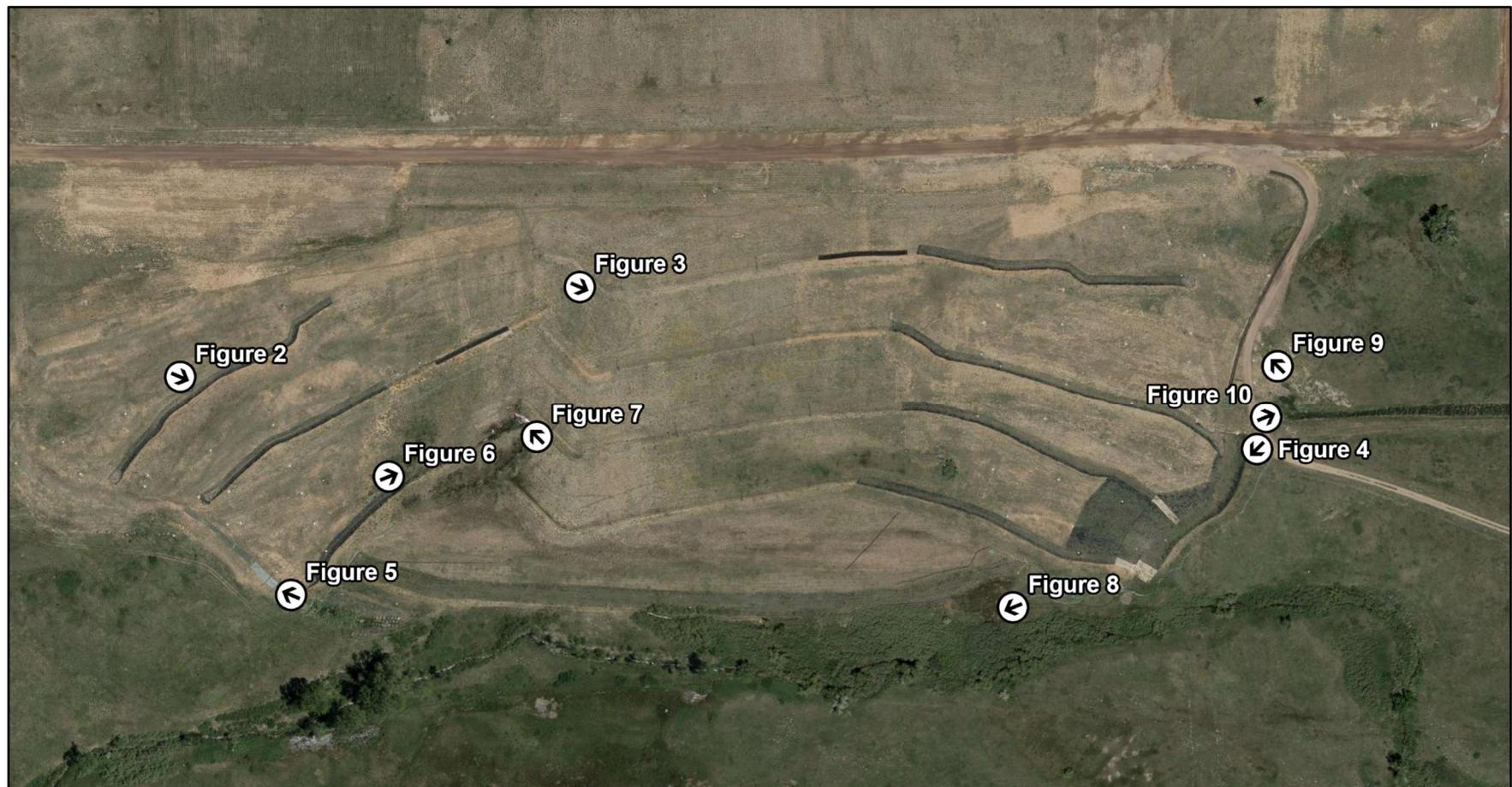
### **Summary of March 2024 Inspection Findings**

Berms 1–7 were in good condition. The EPC was in good condition. Three rows of GeoRidges on the lower end of the WPC had signs of being trampled by elk and were replaced on April 5, 2024. The Seep 4 location had visible saturation. The Seep 7 location had a flow of 2–3 gpm. The Seep 8 location had a flow of 1–2 gpm. The Seep 1, Seep 8a, and Seep 8b locations had visible moisture, likely due to recent

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<sup>1</sup> *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, LMS/RFS/S03416, continually updated, prepared by the LMS contractor for the U.S. Department of Energy Office of Legacy Management.

snowmelt. All other historical seep locations were dry. No issues were noted with the ESSD, which had a flow of 1–2 gpm. No issues were noted with the SID, which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. It had a flow of 2–3 gpm.



↑ Photo Location and Direction

N

100 50 0 100 200  
Scale in Feet

U.S. DEPARTMENT OF ENERGY  
OFFICE OF LEGACY MANAGEMENT

Work Performed by  
**RSI EnTech, LLC**  
Under DOE Contract 89303020DLM000001

Original Landfill Inspection Photo Locations  
March 2024  
Rocky Flats Site, Colorado

DATE PREPARED  
April 8, 2024

FILE NAME:  
047493

Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 19, 2023)



*Figure 2. Looking East-Southeast at Berms 1–3, Which Were in Good Condition*



*Figure 3. Looking East-Southeast at Berms 4–7, Which Were in Good Condition*



*Figure 4. Looking Southwest at the EPC, Which Was in Good Condition*



*Figure 5. Looking West-Northwest at the Lower End of the WPC, Where Three Rows of GeoRidges Had Signs of Being Trampled by Elk*



Figure 6. Looking East-Northeast at the Seep 4 Location, Which Had Moderate Soil Moisture



Figure 7. Looking Northwest at the Seep 7 Location, Which Had a Flow of 2–3 gpm



Figure 8. Looking West-Southwest at the Seep 8 Location, Which Had a Flow of 1–2 gpm



Figure 9. Looking Northwest at the ESSD Outfall, Which Had a Flow of 1–2 gpm



*Figure 10. Looking East-Northeast at the SID, Which Receives Groundwater from the ESSD Outfall and an Interceptor Drain on the Eastern Hillside and Had a Flow of 2–3 gpm*

**Rocky Flats Site**

Original Landfill - Settlement Plates Monitoring

Quarterly Survey March 4, 2024 Comparison to Previous December 11, 2023

03-04-2024 OBSERVATIONS					DELTA			12-11-2023 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
69287	747913.25	2082234.20	6004.85	N RIM PIPE AA 030424	0.02	0.01	0.04	69147	747913.27	2082234.21	6004.89	N RIM PIPE AA 121123
69288	747644.86	2081851.24	5975.22	N RIM PIPE BB 030424	0.01	0.03	-0.01	69148	747644.88	2081851.27	5975.22	N RIM PIPE BB 121123
69290	747883.14	2081665.95	6019.51	N RIM PIPE CC 030424	0.00	-0.01	-0.01	69152	747883.14	2081665.94	6019.50	N RIM PIPE CC 121123
69291	747803.25	2081642.34	6006.06	N RIM PIPE DD 030424	0.00	-0.01	-0.01	69153	747803.25	2081642.34	6006.05	N RIM PIPE DD 121123
69292	747700.63	2081620.54	5988.53	N RIM PIPE EE 030424	0.02	0.01	0.02	69154	747700.65	2081620.55	5988.55	N RIM PIPE EE 121123
69294	747703.22	2081407.69	5997.13	N RIM PIPE FF 030424	0.01	0.03	0.00	69156	747703.23	2081407.72	5997.13	N RIM PIPE FF 121123
69293	747563.06	2081656.30	5974.12	N RIM PIPE GG 030424	0.01	-0.01	0.03	69155	747563.07	2081656.30	5974.15	N RIM PIPE GG 121123
69295	747776.79	2081215.22	6021.92	N RIM PIPE HH 030424	0.00	0.01	0.01	69157	747776.79	2081215.23	6021.93	N RIM PIPE HH 121123

PIPE AA THE SOIL SURROUNDING PIPE AA WAS TEMPORARILY EXCAVATED OUT AND THEN BACKFILLED AND COVERED, THE SURROUNDING GROUND SURFACE IS HIGHER, PIPE AA WAS NEVER MOVED.

BASELINE RE-SET AS BEST PRACTICE.

PIPE HH WAS REPLACED AND HAS A NEW LOCATION FIRST OBSERVED ON 08-31-2020

PIPE HH HAS BEEN REMOVED FOR 06-02-2020 COMPARISON AND NO LONGER EXISTS

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 03-04-2024 OBSERVATION AND THE 12-11-2023 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29

**POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88**

03-04-2024 OBSERVATIONS					DELTA			12-11-2023 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
69287	1747922.70	3082079.56	6008.39	N RIM PIPE AA 030424	0.02	0.01	0.04	69147	1747922.72	3082079.56	6008.43	N RIM PIPE AA 121123
69288	1747654.32	3081696.59	5978.76	N RIM PIPE BB 030424	0.01	0.03	-0.01	69148	1747654.33	3081696.62	5978.76	N RIM PIPE BB 121123
69290	1747892.59	3081511.31	6023.05	N RIM PIPE CC 030424	0.00	-0.01	-0.01	69152	1747892.60	3081511.30	6023.04	N RIM PIPE CC 121123
69291	1747812.70	3081487.70	6009.60	N RIM PIPE DD 030424	0.00	-0.01	-0.01	69153	1747812.70	3081487.69	6009.59	N RIM PIPE DD 121123
69292	1747710.08	3081465.90	5992.07	N RIM PIPE EE 030424	0.02	0.01	0.02	69154	1747710.10	3081465.90	5992.09	N RIM PIPE EE 121123
69294	1747712.67	3081253.04	6000.67	N RIM PIPE FF 030424	0.01	0.03	0.00	69156	1747712.68	3081253.08	6000.67	N RIM PIPE FF 121123
69293	1747572.51	3081501.65	5977.66	N RIM PIPE GG 030424	0.01	0.00	0.03	69155	1747572.52	3081501.65	5977.69	N RIM PIPE GG 121123
69295	1747786.24	3081060.57	6025.46	N RIM PIPE HH 030424	0.00	0.01	0.01	69157	1747786.24	3081060.58	6025.47	N RIM PIPE HH 121123

PIPE HH WAS REPLACED AND HAS A NEW LOCATION FIRST OBSERVED ON 08-31-2020

PIPE HH HAS BEEN REMOVED FOR 06-02-2020 COMPARISON AND NO LONGER EXISTS

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 03-04-2024 OBSERVATION AND THE 12-11-2023 OBSERVATION

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88

**PRESENT LANDFILL – MONITORING AND MAINTENANCE PROGRAM**

**INSPECTION FORM**

INSPECTOR: Nathan Krohn DATE: 2/21/24 TIME: 1130 REVIEWED BY: \_\_\_\_\_

TEMPERATURE: 58°F WEATHER CONDITIONS: Clouds and strong winds REVIEW DATE: \_\_\_\_\_

METEOROLOGICAL STATION LOCATION: NREL = 3.57 inches (12/9/23 - 2/21/24)

**SUBSIDENCE/CONSOLIDATION**

REGION	EVIDENCE OF CRACKS?	EVIDENCE OF DEPRESSIONS?	EVIDENCE OF SINK HOLES?	EVIDENCE OF PONDING?	OTHER (DESCRIBE BELOW)
TOP OF COVER – WEST	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
TOP OF COVER – EAST	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
COVER SIDESLOPE – NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
COVER SIDESLOPE – SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
EAST FACE SLOPE – NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
EAST FACE SLOPE – SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
EAST FACE SLOPE – CENTRAL	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
EAST FACE SLOPE – NORTH SEEP*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

Settlement Plates and side-slope monitoring points to be inspected for integrity.  
During Year 1, they will be surveyed quarterly, and annually thereafter

Integrity intact?  
 Yes  No

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

\* AREA OF SEEP IS OUTSIDE OF LANDFILL COVER AND EAST OF THE COVER ANCHOR TRENCH

## SLOPE STABILITY

REGION	EVIDENCE OF CRACKS?	EVIDENCE OF BLOCK OR CIRCULAR FAILURE?	EVIDENCE OF SEEPS?	OTHER (DESCRIBE BELOW)
COVER SIDESLOPE – NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
COVER SIDESLOPE – SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
PERIMETER CHANNEL OUTER SLOPE – NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
PERIMETER CHANNEL OUTER SLOPE – SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE – NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE – SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE – CENTRAL	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE – NORTH SEEP*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

### MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

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\* AREA OF SEEP IS OUTSIDE OF LANDFILL COVER AND EAST OF THE COVER ANCHOR TRENCH

## SOIL COVER

REGION	EVIDENCE OF SOIL DEPOSITION OR EROSION?	EVIDENCE OF EROSION RILLS/GULLIES?	EVIDENCE OF BURROWING ANIMALS?	OTHER (DESCRIBE BELOW)
TOP OF COVER - WEST	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
TOP OF COVER - EAST	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
COVER SIDESLOPE - NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
COVER SIDESLOPE - SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE - NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE - SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EAST FACE SLOPE - CENTRAL	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
AREA WHERE EAST SLOPE CENTRAL MEETS EAST SLOPE NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
AREA WHERE EAST SLOPE CENTRAL MEETS EAST SLOPE SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	VENT CAPS IN PLACE & SECURE?	STANDPIPES IN GOOD CONDITION?	BIRDS OR INSECTS IN VENT CAPS?	
COVER - BAROMETRIC VENTS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

## SEEP TREATMENT SYSTEM

REGION	EVIDENCE OF PLUGGING, OBSTRUCTIONS, OR EXCESS DEBRIS?		EVIDENCE OF CRACKS OR DETERIORATION?	OTHER (DESCRIBE BELOW)
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
GWIS INLET PIPES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
STRIP DRAIN INLET PIPE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
NORTH MANHOLE OUTLET PIPE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cleaned as BMP
SOUTH MANHOLE OUTLET PIPE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cleaned as BMP
TREATMENT UNIT	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
TREATMENT UNIT OUTLET PIPE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
NORTH MANHOLE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
SOUTH MANHOLE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
TREATMENT UNIT GRATING	NA		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

### MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

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## STORMWATER MANAGEMENT STRUCTURES

### CHANNELS/LINING

STRUCTURE	EVIDENCE OF EXCESSIVE EROSION, GULLYING, SCOUR, OR UNDERMINING?	EVIDENCE OF SETTLEMENT/ SUBSIDENCE OR DEPRESSIONS?	EVIDENCE OF BREACHING OR BANK FAILURE?	EVIDENCE OF BURROWING ANIMALS?	EVIDENCE OF SEDIMENT BUILD-UP OR OTHER BLOCKAGE?	EVIDENCE OF LINING DETERIORATION, HOLES, RIPS, OR SEPARATION?	EVIDENCE OF LINING DISPLACEMENT?
DIVERSION BERM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
VEGETATION-LINED PERIMETER CHANNEL - NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
VEGETATION-LINED PERIMETER CHANNEL - SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
RIPRAP-LINED PERIMETER CHANNEL	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
C350-LINED EAST FACE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
EAST FACE RIPRAP CHANNEL - NORTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
EAST FACE RIPRAP CHANNEL - SOUTH	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						

OTHER DEFICIENCIES?

No.

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

## STORMWATER MANAGEMENT STRUCTURES (CONTINUED)

### OUTFALLS

CHECK EACH STRUCTURE FOR EXCESSIVE EROSION AND SEDIMENT DEPTH. IF SEDIMENT DEPTH IS COMPROMISING THE DESIGN CHARACTERISTICS, REMOVE SEDIMENT.

STRUCTURE	CONDITION/SEDIMENT DEPTH
DIVERSION BERM OUTFALL – NORTH	Good
DIVERSION BERM OUTFALL – SOUTH	Good
CULVERT 1 OUTFALL	Good
CULVERT 2 OUTFALL	Good
SOUTHWEST CULVERT OUTFALL	Good

### CULVERTS

CHECK EACH STRUCTURE FOR BLOCKAGE, SURROUNDING CONDITIONS, BREACHING, SEDIMENT BUILD-UP, AND INLET/OUTLET CONDITIONS.

STRUCTURE	CONDITION
CULVERT 1	Good
CULVERT 2	Good
SOUTHWEST CULVERT	Good

### MAINTENANCE REQUIRED/PHOTO LOG

No issues.

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## "RUN-ON" EROSION CONTROL

AREA	ADVERSELY AFFECTING PLF?		
RUN-ON INTO PERIMETER CHANNEL – NORTH	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	COMMENT:
RUN-ON INTO PERIMETER CHANNEL – SOUTH	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	COMMENT:
NATURAL DRAINAGE FED BY CULVERT 1	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	COMMENT:
NATURAL DRAINAGE FED BY NORTHEAST PERIMETER CHANNEL	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	COMMENT:
NATURAL DRAINAGE FED BY RIPRAP	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	COMMENT:

### MAINTENANCE REQUIRED/PHOTO LOG

No issues.

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## INSTITUTIONAL CONTROLS

**ITEM**

EVIDENCE OF EXCAVATION(S) OF COVER AND IMMEDIATE VICINITY OF COVER?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COMMENT:
EVIDENCE OF CONSTRUCTION OF ROADS OR TRAILS ON COVER OR BUILDINGS?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COMMENT:
EVIDENCE OF UNAUTHORIZED ENTRY?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COMMENT:
EVIDENCE OF DRILLING OF WELLS OR USE OF GROUNDWATER?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COMMENT:
DISRUPTION OR DAMAGE OF SEEP TREATMENT SYSTEM?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COMMENT:
DAMAGE OR REMOVAL OF ANY SIGNAGE OR GROUNDWATER MONITORING WELLS?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COMMENT:

OTHER DEFICIENCIES/PHOTO LOG

No Issues.

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## ACTION ITEMS

INSPECTOR SIGNATURE: 

DATE:

2/21/24

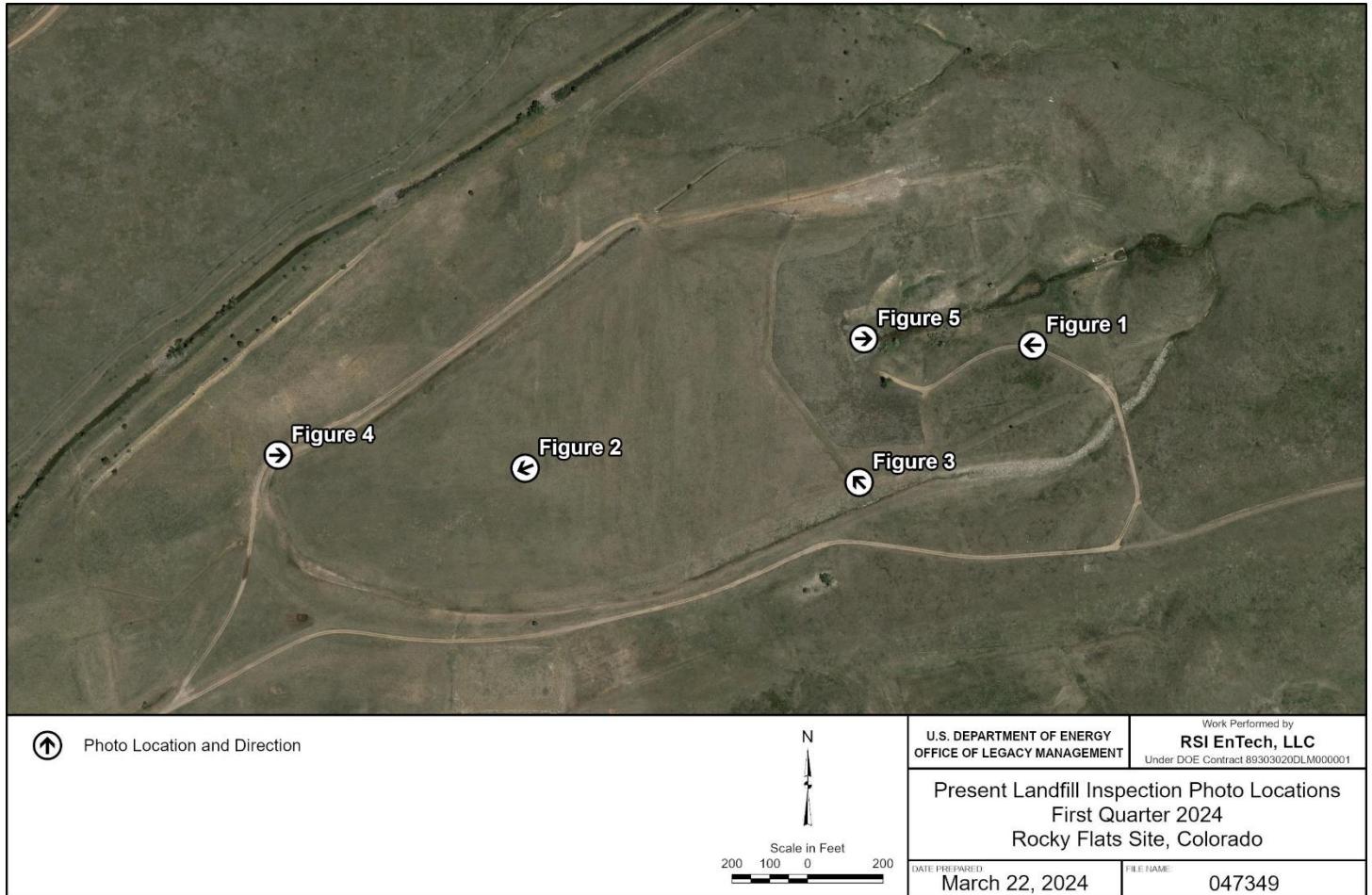
**REVIEWER SIGNATURE:**

Digitally signed by APRIL  
TISCHER (Affiliate)  
Date: 2024.02.26 08:22:3  
-07'00'

DATE:

## 1st Quarter 2024 PLF Inspection photos

(Photos taken 2/21/2024)



*Locations of PLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado*



Figure 1. Looking West at the Present Landfill East Face Slope, Which Was in Good Condition.



Figure 2. Looking West-Southwest at Barometric Gas Vents and Settlement Monuments, Which Were Both in Good Condition.



*Figure 3. Looking Northwest at a Diversion Berm that Runs Along the Eastern Pediment, Which Was in Good Condition*



*Figure 4. Looking East at the Northern Vegetation-lined Perimeter Channel, Which Was in Good Condition*



*Figure 5. Looking East at the Present Landfill Treatment System, Which Was Functioning Properly.*  
Small amounts of Bio-growth were removed from the North and South Manhole Outlet Pipes, treatment unit outlet pipe, and system outfall using a mechanical pipe cleaner as part of routine preventative maintenance.

**Appendix B**

**Analytical Results for Water Samples,  
First Quarter 2024**

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70193	WL	1/30/2024	RFS01-10.2312068-036	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	107-06-2	1,2-Dichloroethane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	78-87-5	1,2-Dichloropropane	N	0.37	ug/L	J	F	0.33		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	541-73-1	1,3-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-42-8	Boron	Y	20	ug/L	J	F	1.5		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-47-3	Chromium	Y	1.1	ug/L	J B	F	0.5		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7782-49-2	Selenium	Y	6.2	ug/L	U	F	1		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-61-1	Uranium	Y	0.13	ug/L	B	F	0.03		FQU	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70193	WL	1/30/2024	RFS01-10.2312068-036	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	75-35-4	1,1-Dichloroethene	N	0.86	ug/L	J	D	0.23		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	75-35-4	1,1-Dichloroethene	N	1.1	ug/L	F	D	0.23		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70393	WL	1/30/2024	RFS01-10.2312068-004	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	541-73-1	1,3-Dichlorobenzene	N	0.4	ug/L	J	D	0.33		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-38-2	Arsenic	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-41-7	Beryllium	Y	0.3	ug/L	U	D	0.3		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-42-8	Boron	Y	5.8	ug/L	J	D	1.5		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-42-8	Boron	Y	6	ug/L	J	F	1.5		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-47-3	Chromium	Y	0.88	ug/L	JB	D	0.5		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-47-3	Chromium	Y	1.1	ug/L	JB	F	0.5		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-50-8	Copper	Y	0.72	ug/L	J	D	0.71		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7439-97-6	Mercury	Y	0.061	ug/L	U	D	0.061		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	91-20-3	Naphthalene	N	0.63	ug/L	U	D	0.63		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-02-0	Nickel	Y	0.9	ug/L	J	D	0.83		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-02-0	Nickel	Y	1.1	ug/L	J	F	0.83		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7782-49-2	Selenium	Y	1	ug/L	J	D	1		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7782-49-2	Selenium	Y	1.4	ug/L	J	F	1		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-22-4	Silver	Y	0.045	ug/L	U	D	0.045		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	127-18-4	Tetrachloroethene	N	0.57	ug/L	J	D	0.4		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	127-18-4	Tetrachloroethene	N	0.58	ug/L	J	F	0.4		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70393	WL	1/30/2024	RFS01-10.2312068-004	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	79-01-6	Trichloroethene	N	3.8	ug/L		D	0.3		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	79-01-6	Trichloroethene	N	4.5	ug/L		F	0.3		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-61-1	Uranium	Y	0.065	ug/L	JB	D	0.03		FQU	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-61-1	Uranium	Y	0.053	ug/L	JB	F	0.03		FQU	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-004	7440-66-6	Zinc	Y	2.1	ug/L	J	D	2		FQ	G	STD
70393	WL	1/30/2024	RFS01-10.2312068-037	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	75-35-4	1,1-Dichloroethene	N	0.59	ug/L	J	F	0.23		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-42-8	Boron	Y	26	ug/L	J	F	1.5		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-47-3	Chromium	Y	1	ug/L	JB	F	0.5		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-02-0	Nickel	Y	2.4	ug/L	J	F	0.83		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7782-49-2	Selenium	Y	1	ug/L	U	F	1		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	127-18-4	Tetrachloroethene	N	0.42	ug/L	J	F	0.4		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	79-01-6	Trichloroethene	N	2	ug/L		F	0.3		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-61-1	Uranium	Y	0.067	ug/L	JB	F	0.03		FU	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		F	G	STD
70693	WL	1/31/2024	RFS01-10.2312068-038	7440-66-6	Zinc	Y	14	ug/L		F	2		F	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
73005	WL	1/31/2024	RFS01-10.2312068-039	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-42-8	Boron	Y	43	ug/L		F	1.5		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-47-3	Chromium	Y	1.4	ug/L	JB	F	0.5		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-50-8	Copper	Y	0.71	ug/L	J	F	0.71		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-02-0	Nickel	Y	44	ug/L		F	0.83		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7782-49-2	Selenium	Y	5.5	ug/L		F	1		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-61-1	Uranium	Y	38	ug/L	B	F	0.03		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73005	WL	1/31/2024	RFS01-10.2312068-039	7440-66-6	Zinc	Y	46	ug/L		F	2		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-42-8	Boron	Y	130	ug/L		F	1.5		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
73105	WL	1/31/2024	RFS01-10.2312068-040	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-47-3	Chromium	Y	0.89	ug/L	J B	F	0.5		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-02-0	Nickel	Y	2.2	ug/L	J	F	0.83		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	108-88-3	Toluene	N	0.42	ug/L	J	F	0.32		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-61-1	Uranium	Y	20	ug/L	B	F	0.03		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73105	WL	1/31/2024	RFS01-10.2312068-040	7440-66-6	Zinc	Y	2.6	ug/L	J	F	2		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-42-8	Boron	Y	74	ug/L		F	1.5		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-47-3	Chromium	Y	0.9	ug/L	J B	F	0.5		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-50-8	Copper	Y	1.4	ug/L	J	F	0.71		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-02-0	Nickel	Y	2.4	ug/L	J	F	0.83		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
73205	WL	1/31/2024	RFS01-10.2312068-041	7782-49-2	Selenium	Y	230	ug/L		F	1		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	108-88-3	Toluene	N	0.33	ug/L	J	F	0.32		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-61-1	Uranium	Y	120	ug/L	B	F	0.03		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73205	WL	1/31/2024	RFS01-10.2312068-041	7440-66-6	Zinc	Y	3.4	ug/L	J	F	2		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	83-32-9	Acenaphthene	N	0.022	ug/L	J	F	0.0042		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	117-81-7	Bis(2-ethylhexyl) phthalate	N	5.7	ug/L	J	F	3.3		FQU	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-42-8	Boron	Y	43	ug/L		F	1.5		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-47-3	Chromium	Y	0.92	ug/L	JB	F	0.5		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	84-66-2	Diethyl phthalate	N	1.4	ug/L	U	F	1.4		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	131-11-3	Dimethyl phthalate	N	0.75	ug/L	UN	F	0.75		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	84-74-2	Di-n-butyl phthalate	N	2.1	ug/L	UN	F	2.1		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	86-73-7	Fluorene	N	0.023	ug/L	J	F	0.019		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	78-59-1	Isophorone	N	2	ug/L	U	F	2		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80005	WL	1/30/2024	RFS01-10.2312068-043	91-20-3	Naphthalene	N	0.023	ug/L	U	F	0.023		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-043	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-61-1	Uranium	Y	4.5	ug/L	B	F	0.03		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80005	WL	1/30/2024	RFS01-10.2312068-042	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	83-32-9	Acenaphthene	N	0.014	ug/L	J	F	0.0042		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	117-81-7	Bis(2-ethylhexyl) phthalate	N	5.5	ug/L	J	F	3.3		FQU	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-42-8	Boron	Y	140	ug/L		F	1.5		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-47-3	Chromium	Y	0.83	ug/L	JB	F	0.5		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	84-66-2	Diethyl phthalate	N	12	ug/L	J	F	1.4		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	131-11-3	Dimethyl phthalate	N	1.6	ug/L	J N	F	0.75		FJQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	84-74-2	Di-n-butyl phthalate	N	2.1	ug/L	U N	F	2.1		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	86-73-7	Fluorene	N	0.023	ug/L	J	F	0.019		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	78-59-1	Isophorone	N	2	ug/L	U	F	2		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80105	WL	1/30/2024	RFS01-10.2312068-044	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	91-20-3	Naphthalene	N	0.025	ug/L	J	F	0.023		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-045	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-61-1	Uranium	Y	11	ug/L	B	F	0.03		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80105	WL	1/30/2024	RFS01-10.2312068-044	7440-66-6	Zinc	Y	2	ug/L	J	F	2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	D	1.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	83-32-9	Acenaphthene	N	0.0042	ug/L	U	D	0.0042		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	83-32-9	Acenaphthene	N	0.0042	ug/L	U	F	0.0042		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	120-12-7	Anthracene	N	0.031	ug/L	U	D	0.031		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-38-2	Arsenic	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	D	0.025		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	D	0.037		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-41-7	Beryllium	Y	0.3	ug/L	U	D	0.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	D	1.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	117-81-7	Bis(2-ethylhexyl) phthalate	N	5.3	ug/L	J	D	3.3		FQU	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	117-81-7	Bis(2-ethylhexyl) phthalate	N	5.2	ug/L	J	F	3.3		FQU	G	STD

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LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-42-8	Boron	Y	41	ug/L		D	1.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-42-8	Boron	Y	40	ug/L	F		1.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-47-3	Chromium	Y	0.94	ug/L	J B	D	0.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-47-3	Chromium	Y	0.95	ug/L	J B	F	0.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	218-01-9	Chrysene	N	0.033	ug/L	U	D	0.033		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-50-8	Copper	Y	0.99	ug/L	J	D	0.71		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-50-8	Copper	Y	0.9	ug/L	J	F	0.71		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	D	0.028		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	84-66-2	Diethyl phthalate	N	2.5	ug/L	J	D	1.4		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	84-66-2	Diethyl phthalate	N	5.3	ug/L	J	F	1.4		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U N	D	0.75		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	131-11-3	Dimethyl phthalate	N	0.84	ug/L	J N	F	0.75		FJQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	84-74-2	Di-n-butyl phthalate	N	2.1	ug/L	U N	D	2.1		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	84-74-2	Di-n-butyl phthalate	N	2.1	ug/L	U N	F	2.1		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	206-44-0	Fluoranthene	N	0.049	ug/L	U	D	0.049		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	86-73-7	Fluorene	N	0.019	ug/L	U	D	0.019		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	67-72-1	Hexachloroethane	N	4.5	ug/L	U	D	4.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	78-59-1	Isophorone	N	2	ug/L	U	D	2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	78-59-1	Isophorone	N	2	ug/L	U	F	2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7439-97-6	Mercury	Y	0.061	ug/L	U	D	0.061		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	91-20-3	Naphthalene	N	0.023	ug/L	U	D	0.023		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	91-20-3	Naphthalene	N	0.023	ug/L	U	F	0.023		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-02-0	Nickel	Y	1.3	ug/L	J	D	0.83		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-02-0	Nickel	Y	1.4	ug/L	J	F	0.83		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-006	129-00-0	Pyrene	N	0.045	ug/L	U	D	0.045		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-047	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7782-49-2	Selenium	Y	1	ug/L	U	D	1		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-22-4	Silver	Y	0.12	ug/L	J	D	0.045		FQU	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-22-4	Silver	Y	0.088	ug/L	J	F	0.045		FQU	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	79-01-6	Trichloroethene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-61-1	Uranium	Y	32	ug/L	B	D	0.03		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-61-1	Uranium	Y	33	ug/L	B	F	0.03		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-005	7440-66-6	Zinc	Y	2	ug/L	J	D	2		FQ	G	STD
80205	WL	1/30/2024	RFS01-10.2312068-046	7440-66-6	Zinc	Y	3.8	ug/L	J	F	2		FQ	G	STD
B210489	WL	1/29/2024	RFS01-10.2312068-063	NO3+N2O AS N	Nitrate + Nitrite as Nitrogen	N	260	mg/L		F	4.4		F	G	STD
B210489	WL	1/29/2024	RFS01-10.2312068-063	7440-61-1	Uranium	Y	110	ug/L	B	F	0.03		F	G	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-38-2	Arsenic	N	0.5	ug/L	U	F	0.5			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-42-8	Boron	N	12	ug/L	B	F	1.5		U	C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-47-3	Chromium	N	0.68	ug/L	J	F	0.5			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-50-8	Copper	Y	0.86	ug/L	J	F	0.71			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7439-97-6	Mercury	N	#N/A	#N/A	U H	F	#N/A			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-61-1	Uranium	N	0.96	ug/L		F	0.03			C	STD
GS05	SL	1/2/2024	RFS01-06.2403030-003	7440-66-6	Zinc	Y	3.9	ug/L	J	F	2			C	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD

Appendix B  
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LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS05	SL	1/9/2024	RFS01-02.2401056-004	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	79-01-6	Trichlorethene	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	1/9/2024	RFS01-02.2401056-004	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-38-2	Arsenic	N	1.2	ug/L		F	0.5			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-42-8	Boron	N	21	ug/L		F	1.5			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-47-3	Chromium	N	1.7	ug/L	J	F	0.5			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-50-8	Copper	Y	2.3	ug/L		F	0.71			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7439-92-1	Lead	Y	0.36	ug/L	J	F	0.23			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7439-97-6	Mercury	N	#N/A	#N/A	U	F	#N/A			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-02-0	Nickel	Y	1.3	ug/L	J	F	0.83			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-22-4	Silver	Y	0.071	ug/L	J	F	0.045		U	C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-61-1	Uranium	N	0.66	ug/L		F	0.03			C	STD
GS05	SL	3/19/2024	RFS01-05.2403053-003	7440-66-6	Zinc	Y	3.9	ug/L	J	F	2			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-38-2	Arsenic	N	0.77	ug/L	J	F	0.5			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-42-8	Boron	N	24	ug/L		F	1.5			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-50-8	Copper	Y	2.5	ug/L		F	0.71			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7439-97-6	Mercury	N	#N/A	#N/A	J	F	#N/A			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-61-1	Uranium	N	0.39	ug/L		F	0.03			C	STD
GS05	SL	3/22/2024	RFS01-02.2404059-005	7440-66-6	Zinc	Y	3.9	ug/L	J	F	2			C	STD
GS10	SL	1/2/2024	RFS01-13.2402109-007	14596-10-2	Americium-241	N	0	pCi/L	U	F	0.00975			C	GEN
GS10	SL	1/2/2024	RFS01-13.2402109-007	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	1/2/2024	RFS01-13.2402109-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	1/2/2024	RFS01-13.2402109-007	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	1/2/2024	RFS01-13.2402109-007	PU-239,240	Plutonium-239, 240	N	0.00414	pCi/L	U	F	0.00811			C	GEN
GS10	SL	1/2/2024	RFS01-13.2402109-007	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	1/2/2024	RFS01-13.2402109-007	7440-61-1	Uranium	N	20.4	ug/L		F	0.067			C	GEN
GS10	SL	1/31/2024	RFS01-04.2401128-011	7440-61-1	Uranium	N	#N/A	#N/A		F	#N/A		J	G	STD
GS10	SL	2/21/2024	RFS01-13.2403111-001	14596-10-2	Americium-241	N	0.00382	pCi/L	U	F	0.0114			G	GEN
GS10	SL	2/21/2024	RFS01-13.2403111-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			G	GEN
GS10	SL	2/21/2024	RFS01-13.2403111-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			G	GEN
GS10	SL	2/21/2024	RFS01-13.2403111-001	7440-47-3	Chromium	N	3.51	ug/L	B	F	1		U	G	GEN
GS10	SL	2/21/2024	RFS01-13.2403111-001	PU-239,240	Plutonium-239, 240	N	-0.00159	pCi/L	U	F	0.0104			G	GEN
GS10	SL	2/21/2024	RFS01-13.2403111-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			G	GEN
GS10	SL	2/21/2024	RFS01-13.2403111-001	7440-61-1	Uranium	N	15.4	ug/L		F	0.067			G	GEN
GS10	SL	2/28/2024	RFS01-04.2402130-011	7440-61-1	Uranium	N	#N/A	#N/A		F	#N/A			G	STD
GS10	SL	3/12/2024	RFS01-13.2403111-002	14596-10-2	Americium-241	N	0.00473	pCi/L	U	F	0.00735			G	GEN
GS10	SL	3/12/2024	RFS01-13.2403111-002	7440-41-7	Beryllium	N	#N/A	#N/A	U	F	#N/A			G	GEN
GS10	SL	3/12/2024	RFS01-13.2403111-002	7440-43-9	Cadmium	Y	#N/A	#N/A	U	F	#N/A			G	GEN
GS10	SL	3/12/2024	RFS01-13.2403111-002	7440-47-3	Chromium	N	#N/A	#N/A	B	F	#N/A		U	G	GEN
GS10	SL	3/12/2024	RFS01-13.2403111-002	PU-239,240	Plutonium-239, 240	N	0.00711	pCi/L	U	F	0.00737			G	GEN
GS10	SL	3/12/2024	RFS01-13.2403111-002	7440-22-4	Silver	Y	#N/A	#N/A	U	F	#N/A			G	GEN

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS10	SL	3/12/2024	RFS01-13.2403111-002	7440-61-1	Uranium	N	#N/A	#N/A		F	#N/A			G	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	14596-10-2	Americium-241	N	0.00235	pCi/L	U	F		0.00798		C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-38-2	Arsenic	N	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-42-8	Boron	N	#N/A	#N/A		F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-50-8	Copper	Y	#N/A	#N/A	B	F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7439-92-1	Lead	Y	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7439-97-6	Mercury	N	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-02-0	Nickel	Y	#N/A	#N/A	B	F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	PU-239,240	Plutonium-239, 240	N	0.00746	pCi/L	U	F		0.00755		C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7782-49-2	Selenium	N	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-61-1	Uranium	N	9.33	ug/L		F	0.067			C	GEN
GS10	SL	3/18/2024	RFS01-13.2403113-001	7440-66-6	Zinc	Y	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	14596-10-2	Americium-241	N	-0.00343	pCi/L	U	F		0.0107		C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	14596-10-2	Americium-241	N	0.0026	pCi/L	U	D		0.00722		C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-38-2	Arsenic	N	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-38-2	Arsenic	N	#N/A	#N/A	U	D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-41-7	Beryllium	N	0.2	ug/L	U	D	0.2			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-42-8	Boron	N	#N/A	#N/A		F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-42-8	Boron	N	#N/A	#N/A		D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-43-9	Cadmium	Y	0.3	ug/L	U	D	0.3			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-47-3	Chromium	N	3	ug/L	U	D	3			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-50-8	Copper	Y	#N/A	#N/A	B	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-50-8	Copper	Y	#N/A	#N/A	B	D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7439-92-1	Lead	Y	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7439-92-1	Lead	Y	#N/A	#N/A	U	D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7439-97-6	Mercury	N	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7439-97-6	Mercury	N	#N/A	#N/A	U	D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-02-0	Nickel	Y	#N/A	#N/A	B	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-02-0	Nickel	Y	#N/A	#N/A	B	D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	PU-239,240	Plutonium-239, 240	N	0.00865	pCi/L	U	F		0.00941		C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	PU-239,240	Plutonium-239, 240	N	0.00718	pCi/L	U	D		0.0122		C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7782-49-2	Selenium	N	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7782-49-2	Selenium	N	#N/A	#N/A	U	D	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-22-4	Silver	Y	0.3	ug/L	U	D	0.3			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-61-1	Uranium	N	6.68	ug/L		F	0.067			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-61-1	Uranium	N	6.87	ug/L		D	0.067			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-002	7440-66-6	Zinc	Y	#N/A	#N/A	U	F	#N/A			C	GEN
GS10	SL	3/20/2024	RFS01-13.2403113-003	7440-66-6	Zinc	Y	#N/A	#N/A	U	D	#N/A			C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	14596-10-2	Americium-241	N	0.00626	pCi/L	U	F		0.00581		C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	7440-47-3	Chromium	N	1	ug/L	B	F	1			C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	PU-239,240	Plutonium-239, 240	N	0.00228	pCi/L	U	F		0.00632		C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/22/2024	RFS01-13.2403115-007	7440-61-1	Uranium	N	11.4	ug/L		F	0.067			C	GEN
GS10	SL	3/27/2024	RFS01-13.2404116-007	14596-10-2	Americium-241	N	0.00852	pCi/L	U	F		0.00727		C	GEN
GS10	SL	3/27/2024	RFS01-13.2404116-007	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	3/27/2024	RFS01-13.2404116-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS10	SL	3/27/2024	RFS01-13.2404116-007	7440-47-3	Chromium	N	1.15	ug/L	B	F	1			C	GEN
GS10	SL	3/27/2024	RFS01-13.2404116-007	PU-239,240	Plutonium-239, 240	N	0.00276	pCi/L	U	F	0.00663			C	GEN
GS10	SL	3/27/2024	RFS01-13.2404116-007	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	3/27/2024	RFS01-05.2403054-009	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A				G	STD
GS13	SL	1/3/2024	RFS01-06.2403030-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	14	mg/L	H B	F	0.44			C	STD
GS13	SL	1/3/2024	RFS01-06.2403030-011	7440-61-1	Uranium	N	20	ug/L	F		0.03			C	STD
GS13	SL	1/31/2024	RFS01-04.2401128-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	28	mg/L	F		0.44			G	STD
GS13	SL	1/31/2024	RFS01-04.2401128-013	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A		J		G	STD
GS13	SL	2/14/2024	RFS01-04.2402129-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	8.4	mg/L	F		0.44			G	STD
GS13	SL	2/28/2024	RFS01-04.2402130-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	14	mg/L	F		0.88			G	STD
GS13	SL	2/28/2024	RFS01-04.2402130-013	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A				G	STD
GS13	SL	3/12/2024	RFS01-06.2403029-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	19	mg/L	D		0.88	J		G	STD
GS13	SL	3/12/2024	RFS01-06.2403029-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	12	mg/L	F		0.88	J		G	STD
GS13	SL	3/18/2024	RFS01-05.2403053-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.9	mg/L	F		0.088			C	STD
GS13	SL	3/18/2024	RFS01-05.2403053-001	7440-61-1	Uranium	N	4.3	ug/L	F		0.03			C	STD
GS13	SL	3/22/2024	RFS01-06.2404031-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	4.2	mg/L	F		0.22	J		C	STD
GS13	SL	3/22/2024	RFS01-06.2404031-011	7440-61-1	Uranium	N	4.7	ug/L	*	F	0.03			C	STD
GS13	SL	3/27/2024	RFS01-05.2403054-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.5	mg/L	F		0.22			G	STD
GS13	SL	3/27/2024	RFS01-05.2403054-004	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A				G	STD
GS13	SL	3/27/2024	RFS01-06.2404033-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.53	mg/L	H	F	0.044			C	STD
GS13	SL	3/27/2024	RFS01-06.2404033-011	7440-61-1	Uranium	N	7.8	ug/L	F		0.03			C	STD
GS33	SL	1/3/2024	RFS01-06.2403030-002	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A				C	STD
GS33	SL	3/18/2024	RFS01-05.2403053-005	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A				C	STD
GS33	SL	3/21/2024	RFS01-06.2404031-002	7440-61-1	Uranium	N	#N/A	#N/A	*	F	#N/A			C	STD
GS33	SL	3/27/2024	RFS01-02.2404061-010	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A				C	STD
GS51	SL	3/18/2024	RFS01-13.2403114-006	14596-10-2	Americium-241	N	0.211	pCi/L	F		0.0337			C	GEN
GS51	SL	3/18/2024	RFS01-13.2403114-006	PU-239,240	Plutonium-239, 240	N	1.1	pCi/L	F		0.107			C	GEN
GS51	SL	3/18/2024	RFS01-13.2403114-006	7440-61-1	Uranium	N	0.229	ug/L	F		0.067			C	GEN
GS51	SL	3/20/2024	RFS01-05.2403055-001	14596-10-2	Americium-241	N	0.094	pCi/L	F		0.022			C	GEN
GS51	SL	3/20/2024	RFS01-05.2403055-001	PU-239,240	Plutonium-239, 240	N	0.526	pCi/L	F		0.0601			C	GEN
GS51	SL	3/20/2024	RFS01-05.2403055-001	7440-61-1	Uranium	N	0.324	ug/L	F		0.067			C	GEN
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-38-2	Arsenic	N	0.65	ug/L	J	F	0.5			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-42-8	Boron	N	10	ug/L	F		1.5			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7439-97-6	Mercury	N	#N/A	#N/A	U H	F	#N/A			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-02-0	Nickel	Y	0.92	ug/L	J	F	0.83			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-61-1	Uranium	N	1.6	ug/L	F		0.03			C	STD
GS59	SL	1/2/2024	RFS01-06.2403030-004	7440-66-6	Zinc	Y	2	ug/L	U	F	2			C	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD

Appendix B  
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RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS59	SL	1/9/2024	RFS01-02.2401056-007	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	1/9/2024	RFS01-02.2401056-007	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-38-2	Arsenic	N	1.8	ug/L		F	0.5			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-38-2	Arsenic	N	1.7	ug/L		D	0.5			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-41-7	Beryllium	N	0.3	ug/L	U	D	0.3			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-42-8	Boron	N	22	ug/L		F	1.5			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-42-8	Boron	N	20	ug/L		D	1.5			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-47-3	Chromium	N	2.3	ug/L	J	F	0.5			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-47-3	Chromium	N	3	ug/L		D	0.5			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-50-8	Copper	Y	1.8	ug/L	J	F	0.71			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-50-8	Copper	Y	1.9	ug/L	J	D	0.71			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7439-97-6	Mercury	N	#N/A	#N/A	U	F	#N/A			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7439-97-6	Mercury	N	#N/A	#N/A	U	D	#N/A			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-02-0	Nickel	Y	1.1	ug/L	J	F	0.83			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-02-0	Nickel	Y	1.3	ug/L	J	D	0.83			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7782-49-2	Selenium	N	1	ug/L	U	D	1			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-22-4	Silver	Y	0.058	ug/L	J	F	0.045		U	C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-22-4	Silver	Y	0.045	ug/L	U	D	0.045			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-61-1	Uranium	N	0.95	ug/L		F	0.03		J	C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-61-1	Uranium	N	0.75	ug/L		D	0.03		J	C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-002	7440-66-6	Zinc	Y	2	ug/L	U	F	2			C	STD
GS59	SL	3/18/2024	RFS01-05.2403053-010	7440-66-6	Zinc	Y	2	ug/L	U	D	2			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-38-2	Arsenic	N	0.85	ug/L	J	F	0.5			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-42-8	Boron	N	14	ug/L		F	1.5			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-50-8	Copper	Y	1.9	ug/L	J	F	0.71			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7439-97-6	Mercury	N	#N/A	#N/A	J	F	#N/A			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-61-1	Uranium	N	0.57	ug/L		F	0.03			C	STD
GS59	SL	3/22/2024	RFS01-02.2404059-008	7440-66-6	Zinc	Y	2.2	ug/L	J	F	2			C	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	106-46-7	1,4-Dichlorobenzene	N	0.43	ug/L	J	F	0.39			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7440-38-2	Arsenic	N	6.3	ug/L		F	0.5			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	71-43-2	Benzene	N	2.4	ug/L		F	0.31			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7440-42-8	Boron	N	1500	ug/L	B	F	1.5			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	108-90-7	Chlorobenzene	N	0.82	ug/L	J	F	0.42			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7440-47-3	Chromium	N	0.58	ug/L	J	F	0.5			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	91-20-3	Naphthalene	N	29	ug/L		F	0.63			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	7440-02-0	Nickel	Y	5.1	ug/L		F	0.83			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7782-49-2	Selenium	N	1	ug/L	U	F	1			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	1330-20-7	Total Xylenes	N	1.3	ug/L		F	0.33			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-011	7440-61-1	Uranium	N	0.11	ug/L	B	F	0.03			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
PLFSEEPINF	TS	1/9/2024	RFS01-02.2401056-010	7440-66-6	Zinc	Y	80	ug/L		F	2			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	F	1.3			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	83-32-9	Acenaphthene	N	1.7	ug/L		F	0.0042		J	G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	120-12-7	Anthracene	N	0.4	ug/L		F	0.031			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7440-38-2	Arsenic	N	4.8	ug/L		F	0.5			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	71-43-2	Benzene	N	0.65	ug/L	J	F	0.31			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	50-32-8	Benz(a)pyrene	N	0.025	ug/L	U	F	0.025			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	191-24-2	Benz(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3			G	STD

Appendix B  
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RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	117-81-7	Bis(2-ethylhexyl) phthalate	N	11	ug/L	J	F	3.3			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7440-42-8	Boron	N	1200	ug/L	B	F	1.5			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	7440-43-9	Cadmium	Y	0.29	ug/L	J	F	0.19			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	156-59-2	cis-1,2-Dichloroethylene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	7440-50-8	Copper	Y	1.2	ug/L	J	F	0.71			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	84-66-2	Diethyl phthalate	N	1.4	ug/L	U	F	1.4			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	F	0.75			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	84-74-2	Di-n-butyl phthalate	N	2.1	ug/L	U	F	2.1			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	206-44-0	Fluoranthene	N	0.43	ug/L		F	0.049			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	86-73-7	Fluorene	N	1.4	ug/L		F	0.019	J		G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	78-59-1	Isophorone	N	2	ug/L	U	F	2			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7439-97-6	Mercury	N	0.061	ug/L	U W	F	0.061			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	91-20-3	Naphthalene	N	4.1	ug/L		F	0.023	J		G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	7440-02-0	Nickel	Y	5.2	ug/L		F	0.83			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-014	129-00-0	Pyrene	N	0.29	ug/L		F	0.045	J		G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7782-49-2	Selenium	N	1	ug/L	U	F	1			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	7440-22-4	Silver	Y	0.074	ug/L	J	F	0.045			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	127-18-4	Tetrachloroethylene	N	0.4	ug/L	U	F	0.4			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	79-01-6	Trichloroethylene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-013	7440-61-1	Uranium	N	0.45	ug/L	B	F	0.03			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
PLFSYSEFF	TS	1/9/2024	RFS01-02.2401056-012	7440-66-6	Zinc	Y	41	ug/L		F	2			G	STD
PLFSYSEFF	TS	2/8/2024	RFS01-02.2402057-012	117-81-7	Bis(2-ethylhexyl) phthalate	N	6.3	ug/L	J N	F	3.3	JU		G	STD
PLFSYSEFF	TS	3/6/2024	RFS01-02.2403058-012	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	F	3.3			G	STD
SPIN	TS	1/18/2024	RFS01-04.2401127-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	610	mg/L		F	4.4			G	STD
SPIN	TS	1/31/2024	RFS01-04.2401128-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	550	mg/L		F	4.4			G	STD
SPIN	TS	1/31/2024	RFS01-04.2401128-014	7440-61-1	Uranium	N	62	ug/L		F	0.03			G	STD
SPIN	TS	2/14/2024	RFS01-04.2402129-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	520	mg/L		F	8.8			G	STD
SPIN	TS	2/28/2024	RFS01-04.2402130-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	490	mg/L		F	8.8			G	STD
SPIN	TS	2/28/2024	RFS01-04.2402130-014	7440-61-1	Uranium	N	77	ug/L		F	0.03			G	STD
SPIN	TS	3/12/2024	RFS01-06.2403029-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	500	mg/L		F	8.8			G	STD
SPIN	TS	3/27/2024	RFS01-05.2403054-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	370	mg/L		F	4.4			G	STD
SPIN	TS	3/27/2024	RFS01-05.2403054-001	7440-61-1	Uranium	N	63	ug/L		F	0.03			G	STD
SPOUT	TS	1/18/2024	RFS01-04.2401127-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	1/31/2024	RFS01-04.2401128-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	1/31/2024	RFS01-04.2401128-015	7440-61-1	Uranium	N	52	ug/L		F	0.03			G	STD
SPOUT	TS	2/14/2024	RFS01-04.2402129-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	2/28/2024	RFS01-04.2402130-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	2/28/2024	RFS01-04.2402130-015	7440-61-1	Uranium	N	58	ug/L		F	0.03			G	STD
SPOUT	TS	3/12/2024	RFS01-06.2403029-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	3/27/2024	RFS01-05.2403054-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.045	mg/L	J	F	0.044			G	STD
SPOUT	TS	3/27/2024	RFS01-05.2403054-002	7440-61-1	Uranium	N	32	ug/L	B	F	0.03			G	STD

Appendix B  
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LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SW027	SL	3/19/2024	RFS01-13.2403113-010	14596-10-2	Americium-241	N	0.0161	pCi/L	U	F		0.00927		C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-38-2	Arsenic	N	#N/A	#N/A	U	F	#N/A			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-42-8	Boron	N	#N/A	#N/A	F	#N/A				C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-50-8	Copper	Y	#N/A	#N/A	B	F	#N/A			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7439-92-1	Lead	Y	#N/A	#N/A	U	F	#N/A			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7439-97-6	Mercury	N	#N/A	#N/A	U	F	#N/A			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-02-0	Nickel	Y	#N/A	#N/A	B	F	#N/A			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	PU-239,240	Plutonium-239, 240	N	0.0952	pCi/L		F		0.0285	J	C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7782-49-2	Selenium	N	#N/A	#N/A	B	F	#N/A			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-61-1	Uranium	N	3.43	ug/L		F	0.067			C	GEN
SW027	SL	3/19/2024	RFS01-13.2403113-010	7440-66-6	Zinc	Y	#N/A	#N/A	B	F	#N/A			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	14596-10-2	Americium-241	N	0.032	pCi/L		F		0.0159	J	C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	7440-47-3	Chromium	N	1.24	ug/L	B	F	1			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	PU-239,240	Plutonium-239, 240	N	0.222	pCi/L		F		0.0425		C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-011	7440-61-1	Uranium	N	2.55	ug/L		F	0.067			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	14596-10-2	Americium-241	N	0.0183	pCi/L	U	D		0.0154		C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	7440-41-7	Beryllium	N	1	ug/L	U	D	1			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	7440-43-9	Cadmium	Y	0.3	ug/L	U	D	0.3			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	7440-47-3	Chromium	N	1.3	ug/L	B	D	1			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	PU-239,240	Plutonium-239, 240	N	0.229	pCi/L		D		0.0408		C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	7440-22-4	Silver	Y	0.3	ug/L	U	D	0.3			C	GEN
SW027	SL	3/20/2024	RFS01-13.2404119-012	7440-61-1	Uranium	N	2.56	ug/L		D	0.067			C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	14596-10-2	Americium-241	N	0.00386	pCi/L	U	F		0.00464		C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	7440-47-3	Chromium	N	3.2	ug/L	B	F	1		U	C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	PU-239,240	Plutonium-239, 240	N	0.00786	pCi/L	U	F		0.00729		C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	1/3/2024	RFS01-13.2403111-015	7440-61-1	Uranium	N	4.12	ug/L		F	0.067			C	GEN
SW093	SL	1/31/2024	RFS01-04.2401128-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.3	mg/L		F	0.044			G	STD
SW093	SL	1/31/2024	RFS01-04.2401128-016	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A		J		G	STD
SW093	SL	2/14/2024	RFS01-04.2401219-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.48	mg/L		F	0.044			G	STD
SW093	SL	2/28/2024	RFS01-04.2402130-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.3	mg/L		F	0.088			G	STD
SW093	SL	2/28/2024	RFS01-04.2402130-016	7440-61-1	Uranium	N	#N/A	#N/A	F	#N/A			G	STD	
SW093	SL	3/12/2024	RFS01-06.2403029-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.21	mg/L		F	0.044			G	STD
SW093	SL	3/18/2024	RFS01-13.2403114-002	14596-10-2	Americium-241	N	0.00112	pCi/L	U	F		0.00583		C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-38-2	Arsenic	N	#N/A	#N/A	U	F	#N/A			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-42-8	Boron	N	#N/A	#N/A	F	#N/A				C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-50-8	Copper	Y	#N/A	#N/A	B	F	#N/A			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7439-92-1	Lead	Y	#N/A	#N/A	U	F	#N/A			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7439-97-6	Mercury	N	#N/A	#N/A	U	F	#N/A			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-02-0	Nickel	Y	#N/A	#N/A	B	F	#N/A			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	PU-239,240	Plutonium-239, 240	N	0.00586	pCi/L	U	F		0.0105		C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7782-49-2	Selenium	N	#N/A	#N/A	U	F	#N/A			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-61-1	Uranium	N	3.48	ug/L		F	0.067			C	GEN
SW093	SL	3/18/2024	RFS01-13.2403114-002	7440-66-6	Zinc	Y	#N/A	#N/A	U	F	#N/A			C	GEN
SW093	SL	3/22/2024	RFS01-13.2403115-015	14596-10-2	Americium-241	N	0.00592	pCi/L	U	F		0.00823		C	GEN
SW093	SL	3/22/2024	RFS01-13.2403115-015	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN

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LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SW093	SL	3/22/2024	RFS01-13.2403115-015	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	3/22/2024	RFS01-13.2403115-015	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
SW093	SL	3/22/2024	RFS01-13.2403115-015	PU-239,240	Plutonium-239, 240	N	0.00472	pCi/L	U	F		0.0103		C	GEN
SW093	SL	3/22/2024	RFS01-13.2403115-015	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	3/22/2024	RFS01-13.2403115-015	7440-61-1	Uranium	N	4.16	ug/L		F	0.067			C	GEN
SW093	SL	3/27/2024	RFS01-05.2403054-003	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.9	mg/L		F	0.088			G	STD
SW093	SL	3/27/2024	RFS01-05.2403054-003	7440-61-1	Uranium	N	#N/A	#N/A		F	#N/A			G	STD
SW093	SL	3/27/2024	RFS01-13.2404117-001	14596-10-2	Americium-241	N	0	pCi/L	U	F		0.0105		C	GEN
SW093	SL	3/27/2024	RFS01-13.2404117-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
SW093	SL	3/27/2024	RFS01-13.2404117-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	3/27/2024	RFS01-13.2404117-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
SW093	SL	3/27/2024	RFS01-13.2404117-001	PU-239,240	Plutonium-239, 240	N	-0.0105	pCi/L	U	F		0.0179		C	GEN
SW093	SL	3/27/2024	RFS01-13.2404117-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	3/27/2024	RFS01-13.2404117-001	7440-61-1	Uranium	N	5.01	ug/L		F	0.067			C	GEN
WALPOC	SL	1/3/2024	RFS01-13.2403111-005	14596-10-2	Americium-241	N	0.00462	pCi/L	U	F		0.00556		G	GEN
WALPOC	SL	1/3/2024	RFS01-13.2403111-005	PU-239,240	Plutonium-239, 240	N	-0.0222	pCi/L	U	F		0.00689		G	GEN
WALPOC	SL	1/3/2024	RFS01-13.2403111-005	7440-61-1	Uranium	N	7.55	ug/L		F	0.067			G	GEN
WALPOC	SL	3/18/2024	RFS01-06.2403030-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.13	mg/L	B	F	0.044			U	STD
WALPOC	SL	3/19/2024	RFS01-13.2403113-004	14596-10-2	Americium-241	N	0.00691	pCi/L	U	F		0.00716		C	GEN
WALPOC	SL	3/19/2024	RFS01-13.2403113-004	PU-239,240	Plutonium-239, 240	N	0.0183	pCi/L	U	F		0.0145		C	GEN
WALPOC	SL	3/19/2024	RFS01-13.2403113-004	7440-61-1	Uranium	N	8.61	ug/L		F	0.067			C	GEN
WALPOC	SL	3/19/2024	RFS01-06.2403030-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.52	mg/L	B	F	0.044			G	STD
WALPOC	SL	3/20/2024	RFS01-13.2403112-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.98	mg/L	B	F	0.044			G	STD
WALPOC	SL	3/20/2024	RFS01-13.2403113-005	14596-10-2	Americium-241	N	0.00139	pCi/L	U	F		0.00608		C	GEN
WALPOC	SL	3/20/2024	RFS01-13.2403113-005	PU-239,240	Plutonium-239, 240	N	0.0141	pCi/L	U	F		0.00934		C	GEN
WALPOC	SL	3/20/2024	RFS01-13.2403113-005	7440-61-1	Uranium	N	7.27	ug/L		F	0.067			C	GEN
WALPOC	SL	3/24/2024	RFS01-13.2403115-001	14596-10-2	Americium-241	N	0.00206	pCi/L	U	D		0.00496		C	GEN
WALPOC	SL	3/24/2024	RFS01-13.2403115-016	14596-10-2	Americium-241	N	0.00444	pCi/L	U	F		0.00688		C	GEN
WALPOC	SL	3/24/2024	RFS01-13.2403115-001	PU-239,240	Plutonium-239, 240	N	0.0132	pCi/L	U	D		0.00871		C	GEN
WALPOC	SL	3/24/2024	RFS01-13.2403115-016	PU-239,240	Plutonium-239, 240	N	0.00768	pCi/L	U	F		0.00889		C	GEN
WALPOC	SL	3/24/2024	RFS01-13.2403115-001	7440-61-1	Uranium	N	9.09	ug/L		D	0.067			C	GEN
WALPOC	SL	3/24/2024	RFS01-13.2403115-016	7440-61-1	Uranium	N	9.02	ug/L		F	0.067			C	GEN
WALPOC	SL	3/24/2024	RFS01-05.2403053-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.83	mg/L		F	0.044			G	STD
WALPOC	SL	3/28/2024	RFS01-13.2404117-016	14596-10-2	Americium-241	N	0.00455	pCi/L	U	F		0.00892		C	GEN
WALPOC	SL	3/28/2024	RFS01-05.2403054-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.7	mg/L		F	0.044			G	STD
WALPOC	SL	3/28/2024	RFS01-13.2404117-016	PU-239,240	Plutonium-239, 240	N	0.0135	pCi/L	U	F		0.0125		C	GEN
WALPOC	SL	3/28/2024	RFS01-13.2404117-016	7440-61-1	Uranium	N	9.81	ug/L		F	0.067			C	GEN
WOMPOC	SL	1/2/2024	RFS01-13.2402108-018	14596-10-2	Americium-241	N	0.0038	pCi/L	U	F		0.00528		C	GEN
WOMPOC	SL	1/2/2024	RFS01-13.2402108-018	PU-239,240	Plutonium-239, 240	N	0.00701	pCi/L	U	F		0.00711		C	GEN
WOMPOC	SL	1/2/2024	RFS01-13.2402108-018	7440-61-1	Uranium	N	2.67	ug/L		F	0.067			C	GEN
WOMPOC	SL	2/8/2024	RFS01-13.2402109-018	14596-10-2	Americium-241	N	-0.0045	pCi/L	U	F		0.0113		C	GEN
WOMPOC	SL	2/8/2024	RFS01-13.2402109-018	PU-239,240	Plutonium-239, 240	N	0.00444	pCi/L	U	F		0.0127		C	GEN
WOMPOC	SL	2/8/2024	RFS01-13.2402109-018	7440-61-1	Uranium	N	2.29	ug/L		F	0.067			C	GEN
WOMPOC	SL	2/21/2024	RFS01-13.2403110-001	14596-10-2	Americium-241	N	0.00109	pCi/L	U	D		0.00564		C	GEN
WOMPOC	SL	2/21/2024	RFS01-13.2403110-002	14596-10-2	Americium-241	N	0.00334	pCi/L	U	F		0.00655		C	GEN
WOMPOC	SL	2/21/2024	RFS01-13.2403110-001	PU-239,240	Plutonium-239, 240	N	0.00381	pCi/L	U	D		0.00748		C	GEN
WOMPOC	SL	2/21/2024	RFS01-13.2403110-002	PU-239,240	Plutonium-239, 240	N	0.00119	pCi/L	U	F		0.00698		C	GEN
WOMPOC	SL	2/21/2024	RFS01-13.2403110-001	7440-61-1	Uranium	N	2.29	ug/L		D	0.067			C	GEN
WOMPOC	SL	2/21/2024	RFS01-13.2403110-002	7440-61-1	Uranium	N	2.31	ug/L		F	0.067			C	GEN
WOMPOC	SL	3/11/2024	RFS01-13.2403111-003	14596-10-2	Americium-241	N	0.00481	pCi/L	U	F		0.00818		G	GEN
WOMPOC	SL	3/11/2024	RFS01-13.2403111-003	PU-239,240	Plutonium-239, 240	N	0.00472	pCi/L	U	F		0.00615		G	GEN
WOMPOC	SL	3/11/2024	RFS01-13.2403111-003	7440-61-1	Uranium	N	1.87	ug/L		F	0.067			G	GEN
WOMPOC	SL	3/18/2024	RFS01-13.2403113-007	14596-10-2	Americium-241	N	-5.23E-10	pCi/L	U	F		0.0058		C	GEN
WOMPOC	SL	3/18/2024	RFS01-13.2403113-007	PU-239,240	Plutonium-239, 240	N	0.0178	pCi/L	U	F		0.0103		C	GEN
WOMPOC	SL	3/18/2024	RFS01-13.2403113-007	7440-61-1	Uranium	N	1.18	ug/L		F	0.067			C	GEN
WOMPOC	SL	3/21/2024	RFS01-13.2403113-008	14596-10-2	Americium-241	N	0.0058	pCi/L	U	F		0.00992		C	GEN
WOMPOC	SL	3/21/2024	RFS01-13.2403113-008	PU-239,240	Plutonium-239, 240	N	0.0069	pCi/L	U	F		0.0156		C	GEN
WOMPOC	SL	3/21/2024	RFS01-13.2403113-008	7440-61-1	Uranium	N	0.656	ug/L		F	0.067			C	GEN
WOMPOC	SL	3/24/2024	RFS01-13.2403115-018	14596-10-2	Americium-241	N	0.00376	pCi/L	U	F		0.00738		C	GEN

Appendix B  
Analytical Results for Water Samples—First Quarter CY 2024  
**RFLMA Data**

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WOMPLOC	SL	3/24/2024	RFS01-13.2403115-018	PU-239,240	Plutonium-239, 240	N	0.00906	pCi/L	U	F		0.00834		C	GEN
WOMPLOC	SL	3/24/2024	RFS01-13.2403115-018	7440-61-1	Uranium	N	0.682	ug/L	F		0.067			C	GEN
WOMPLOC	SL	3/28/2024	RFS01-13.2404117-018	14596-10-2	Americium-241	N	0.00975	pCi/L	U	F		0.00831		C	GEN
WOMPLOC	SL	3/28/2024	RFS01-13.2404117-018	PU-239,240	Plutonium-239, 240	N	0.00293	pCi/L	U	F		0.00814		C	GEN
WOMPLOC	SL	3/28/2024	RFS01-13.2404117-018	7440-61-1	Uranium	N	0.924	ug/L	F		0.067			C	GEN

**EXPLANATION**
**FILTRATION STATUS**

N = Sample was not filtered.  
Y = Sample was filtered.

**UNITS**

mg/L; ppm = milligrams per liter  
pCi/L = picocuries per liter  
ug/L = micrograms per liter  
C = degrees celsius  
mS/cm = millisiemens per centimeter  
NTU = normal turbidity units  
s.u. = standard pH units  
uS/cm = microSiemens per centimeter  
umhos/cm = microSiemens per centimeter

**SAMPLE\_TYPE**

D = Duplicate  
F = Field Sample

**DATA\_VALIDATION\_QUALIFIERS**

<NULL> No qualifiers.  
F Low flow sampling method used.  
G Possible grout contamination, pH > 9.  
J Estimated value.  
L Less than 3 bore volumes purged prior to sampling.  
Q Qualitative result due to sampling technique.  
R Unusable result.  
U Parameter analyzed for but was not detected.  
X Location is undefined.  
999 Validation not complete.

**LAB\_QUALIFIERS**

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

**LOCATION\_TYPE**

SL SURFACE LOCATION  
TS TREATMENT SYSTEM  
WL WELL

**COLLECTION\_METHOD**

C Composite  
G Grab

**LAB\_CODE**

GEN Gel Laboratories LLC  
STD Eurofins Test America

**Appendix B**  
**Analytical Results for Water Samples—First Quarter CY 2024**  
**Information for RFLMA Composite Samples with Unavailable Data**

Location	Sample Dates*	Status

**Notes:**

\* Analytical results are reported with the start date of the composite sampling period

--> Composite sample end date to be determined

NSQ: non-sufficient quantity for analysis