LMS/RFS/46440

Rocky Flats Site, Colorado, Quarterly Report of Site Surveillance and Maintenance Activities, Third Quarter, Calendar Year 2023

January 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
µg/L	micrograms per liter
M&M Plan	Monitoring and Maintenance Plan
MSPCS	Mound Site Plume Collection System
NWCS	North Walnut Creek Slump
OLF	Original Landfill
pCi/L	picocuries per liter
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	*Rocky Flats Legacy Management Agreement*
RFSOG	Rocky Flats Site Operations Guide
SPPTS	Solar Ponds Plume Treatment System

Executive Summary

This report for the third quarter (July 1–September 30) of calendar year (CY) 2023 includes information on the remedy-related surveillance, monitoring, and maintenance activities conducted at the Rocky Flats Site, Colorado, managed by the U.S. Department of Energy Office of Legacy Management. This report summarizes the maintenance and inspection of the two closed Site landfills, the Central Operable Unit (COU) and former buildings, Site perimeter signs, four groundwater collection or treatment systems, water and ecological monitoring, and erosion control and revegetation activities.

The quarterly Present Landfill inspection for the third quarter of CY 2023 was conducted on August 14, 2023. No issues were identified during this inspection. The weather-related inspection for the September 15, 2023, rainfall event was not performed; during a subsequent inspection on December 7, 2023, no issues were identified. Routine maintenance was performed at the Present Landfill Treatment System (PLFTS) throughout the quarter. The manhole covers at the PLFTS were replaced with lighter weight and more easily accessible versions on August 17, 2023.

The Original Landfill monthly inspections for the third quarter of CY 2023 were conducted on July 18, August 28, and September 18, 2023. The September 18, 2023, inspection was combined with a weather-related inspection after the Site received more than 1 inch of rain in a 24-hour period. No issues were identified during these inspections.

The quarterly COU inspection for the third quarter of CY 2023 was conducted on August 28, 2023. An additional weather-related inspection was conducted on September 18, 2023. There were no new depressions, cavities, or areas of slumping identified in former building areas, and all roads and grounds were in good condition.

The quarterly COU sign inspection for the third quarter of CY 2023 was conducted on September 28, 2023. All signs were attached and legible; no maintenance activities were required.

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 third quarter of CY 2023, as indicated by the results of monthly monitoring of 22 survey points on either side of the current scarp face 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 third quarter of CY 2023. Treatment system power facilities were also inspected by a qualified electrical subcontractor.

Water monitoring met the targeted monitoring objectives required by the *Rocky Flats Legacy Management Agreement* (RFLMA). During the quarter, 5 flow-paced, composite surface water samples; 5 surface water grab samples; 14 treatment system grab samples; and 11 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 third quarter of CY 2023.

All analyte concentrations at Points of Compliance WALPOC and WOMPOC also remained below reportable condition levels during the third quarter of CY 2023.

RFLMA-required groundwater monitoring during the third quarter of CY 2023 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 2023.

Ecological monitoring consisted of Preble's meadow jumping mouse mitigation monitoring, wetland mitigation monitoring, and revegetation monitoring. Other ecological tasks conducted during the third quarter of CY 2023 included weed mapping, wetland and vegetation mapping, prairie dog surveys, photo point monitoring, and weed management.

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. 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 third quarter (July 1–September 30) of calendar year (CY) 2023. 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 third quarter of CY 2023 was conducted on August 14, 2023. No issues were identified during this inspection. The weather-related inspection for the September 15, 2023, rainfall event was not performed; during a subsequent inspection on December 7, 2023, no issues were identified. Routine maintenance was performed at the Present Landfill Treatment System (PLFTS) throughout the quarter (e.g., mechanical pipe cleaning). The manhole covers at the PLFTS were replaced with lighter weight and more easily accessible versions on August 17, 2023. 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 third quarter of CY 2023 were conducted on July 18, August 28, and September 18, 2023. The September 18, 2023, inspection was combined with a weather-related inspection after the Site received more than 1 inch of rain in a 24-hour period. No 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 7 and 8 had flows or moisture generally consistent with that observed during previous third quarter inspections. Seep locations 1, 4, 7, and 8B were estimated to have less moisture than during previous third 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 2023 third quarter survey was performed on September 5, 2023. 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 third quarter of CY 2023 was conducted on August 28, 2023. An additional inspection was conducted on September 18, 2023, after the Site received more than 1 inch of rain in a 24-hour period. There were no new depressions, sink holes, or areas of slumping identified in former building areas, and the roads and grounds were in good condition.

The quarterly COU sign inspection for the third quarter of CY 2023 was conducted on September 28, 2023. All signs were attached and legible.

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 third quarter of CY 2023, 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 of less than 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

The 2023 Roads Maintenance Project was completed in June 2023. Selected roads were regraded, road base was added as needed, rock crossings were maintained, and dust suppressant was applied on the primary routes to aid in dust control. In the third quarter of CY 2023, 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],[1] 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 third quarter of CY 2023 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

In addition, a qualified electrical subcontractor completed the annual inspection of the power facility (solar panels and batteries) on August 24, 2023. 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 third quarter of CY 2023 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

[1] 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.

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

In addition, a qualified electrical subcontractor completed the annual inspection of the power facility (solar panels and batteries) on August 24, 2023. 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 third quarter of CY 2023 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

In addition, a valve on the effluent line and the effluent pump electrical wiring were replaced. A qualified electrical subcontractor completed the annual inspection of the power facility (solar panels and batteries) on August 24, 2023. Refer to Section 3.1.9.3 for information on water quality monitoring.

2.5.4 Present Landfill Treatment System

Routine maintenance during the third quarter of CY 2023 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.

The manhole covers at the PLFTS were replaced on August 17, 2023. The original covers were heavy and unwieldy. The new covers are lighter and easier to manage, allowing for improved access to the manholes.

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.

In the third quarter of CY 2023, signs were inspected on September 28, 2023. No issues were identified. Sign maintenance and replacement is conducted throughout the year.

2.7 Erosion Control and Revegetation

Monitoring and maintenance of the Site erosion control features were performed throughout the third quarter of CY 2023, including extra inspections following high-wind or precipitation events. Stakes securing the erosion wattles, matting, and GeoRidges 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 third quarter of CY 2023.

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 $^{239}Pu + ^{240}Pu$; americium (Am) refers to americium-241 or ^{241}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 [pCi/L]).

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 third quarter of CY 2023. The annual report for CY 2023 will provide a more detailed interpretation and discussion of the water quality data.

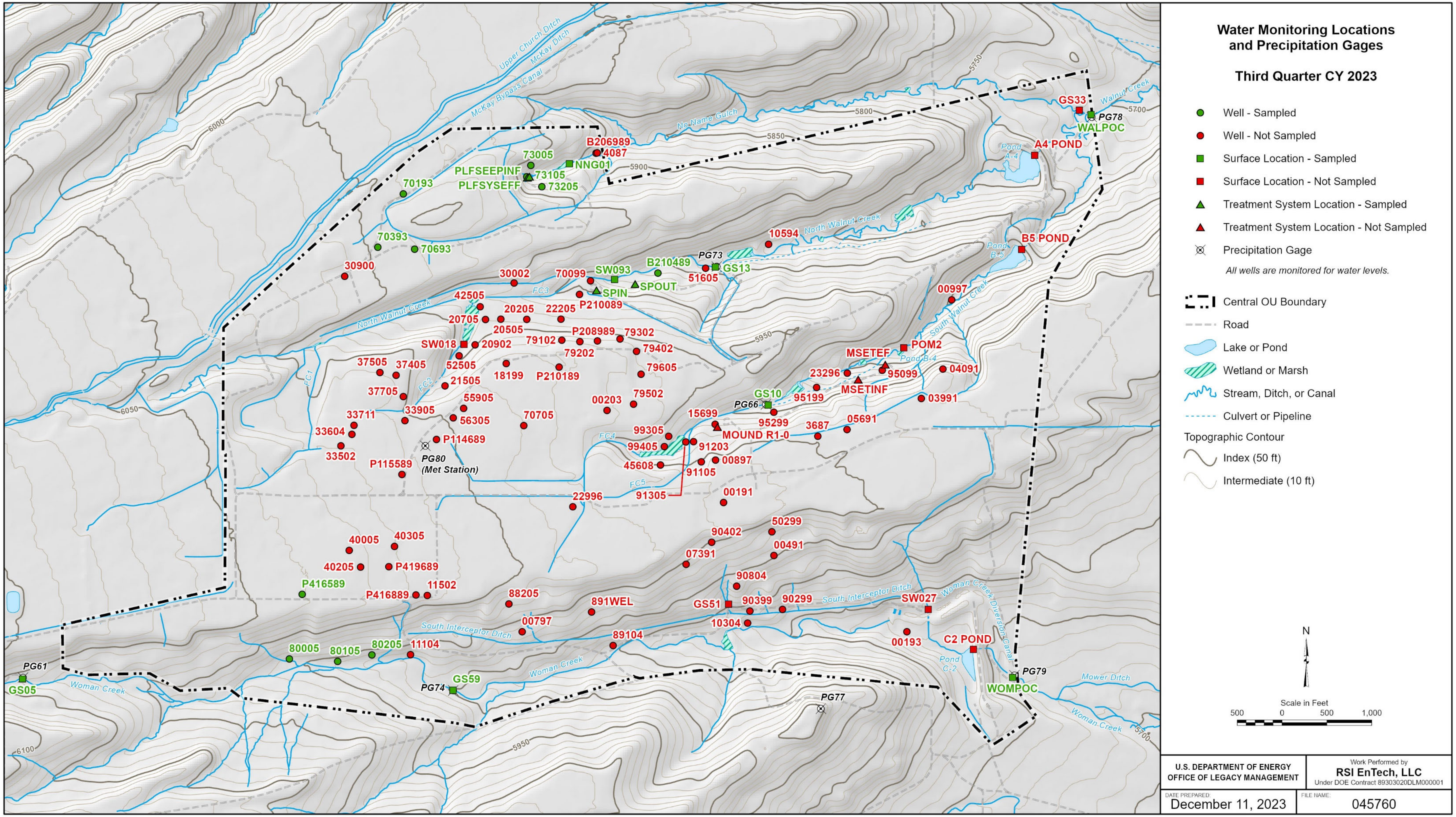
3.1.1 Water Monitoring Highlights

During the third quarter of CY 2023, 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 third quarter, 5 flow-paced, composite surface water samples; 5 surface water grab samples; 14 treatment system grab samples; and 11 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analysis.[2] Figure 1 shows the monitoring locations sampled during the third quarter of CY 2023.

All analyte concentrations at POE locations GS10, SW027, and SW093 remained below reportable condition levels during the third quarter of CY 2023.

All analyte concentrations at POC locations WALPOC and WOMPOC also remained below reportable condition levels during the third quarter of CY 2023.

[2] 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 third quarter of CY 2023, the 5 flow-paced composites comprised 185 individual grabs.



Abbreviations: ft = feet, OU = Operable Unit

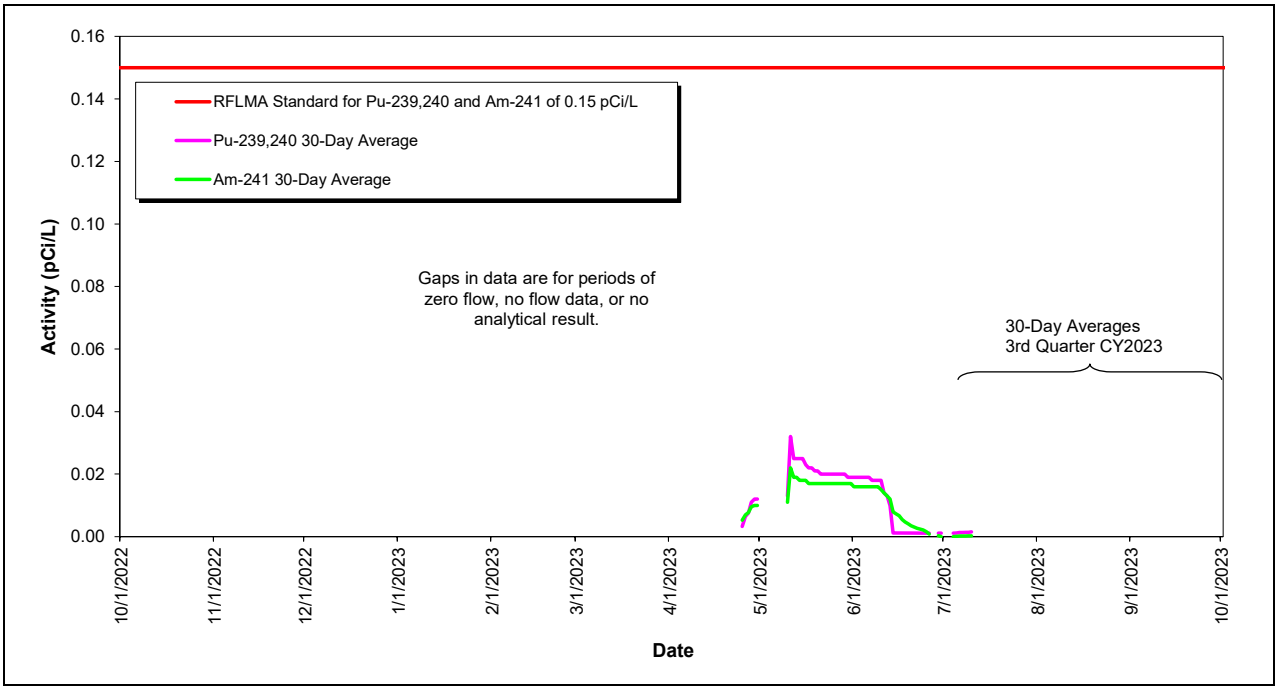
Figure 1. Rocky Flats Site Water Monitoring Locations and Precipitation Gages

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.

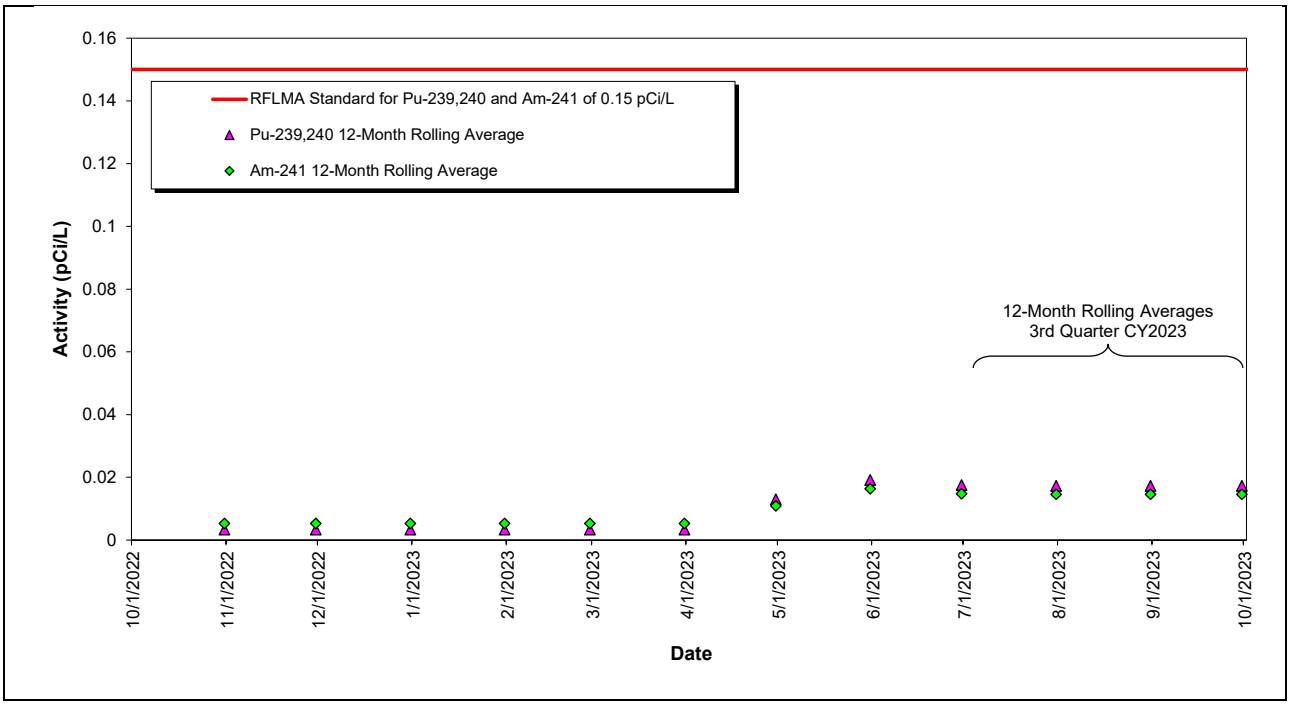
3.1.2.1 Monitoring Location WALPOC

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 third quarter of CY 2023. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.



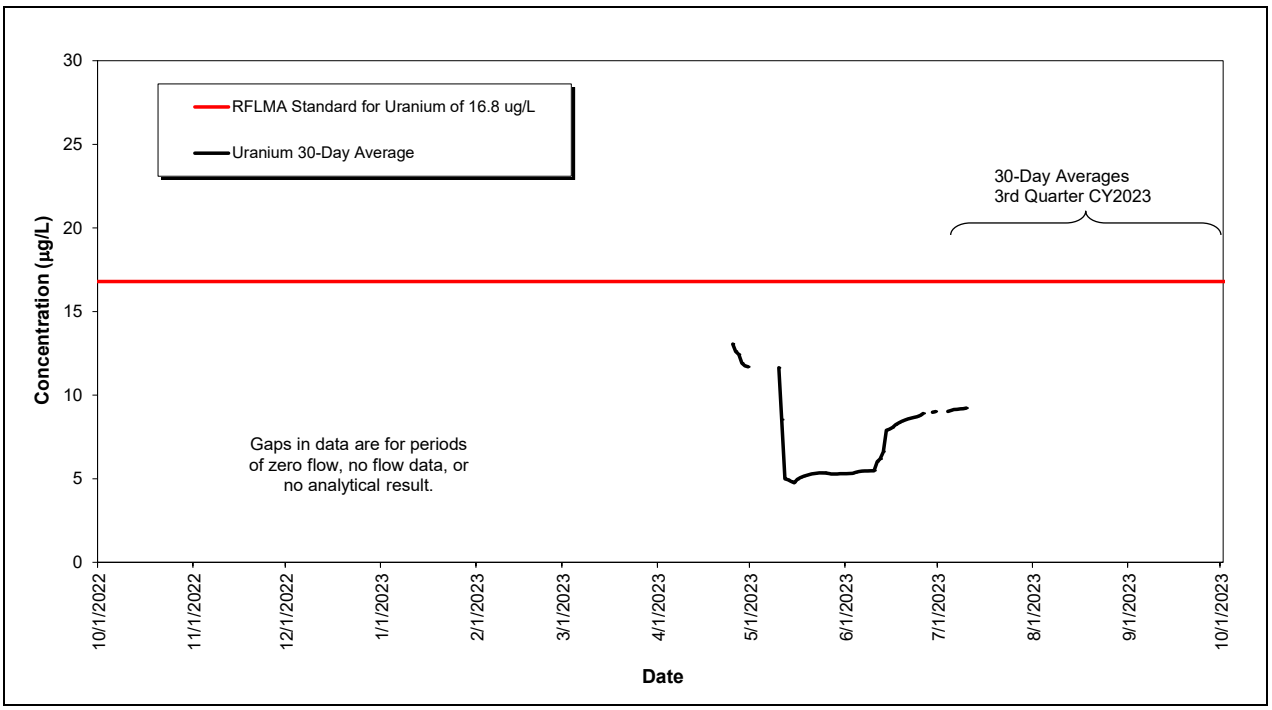
Note: The composite sample started on July 17, 2023, is still in progress. However, since there has been no flow since July 10, 2023, and therefore no samples have been collected, averages can be calculated through the third quarter.

Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WALPOC: Year Ending Third Quarter 2023



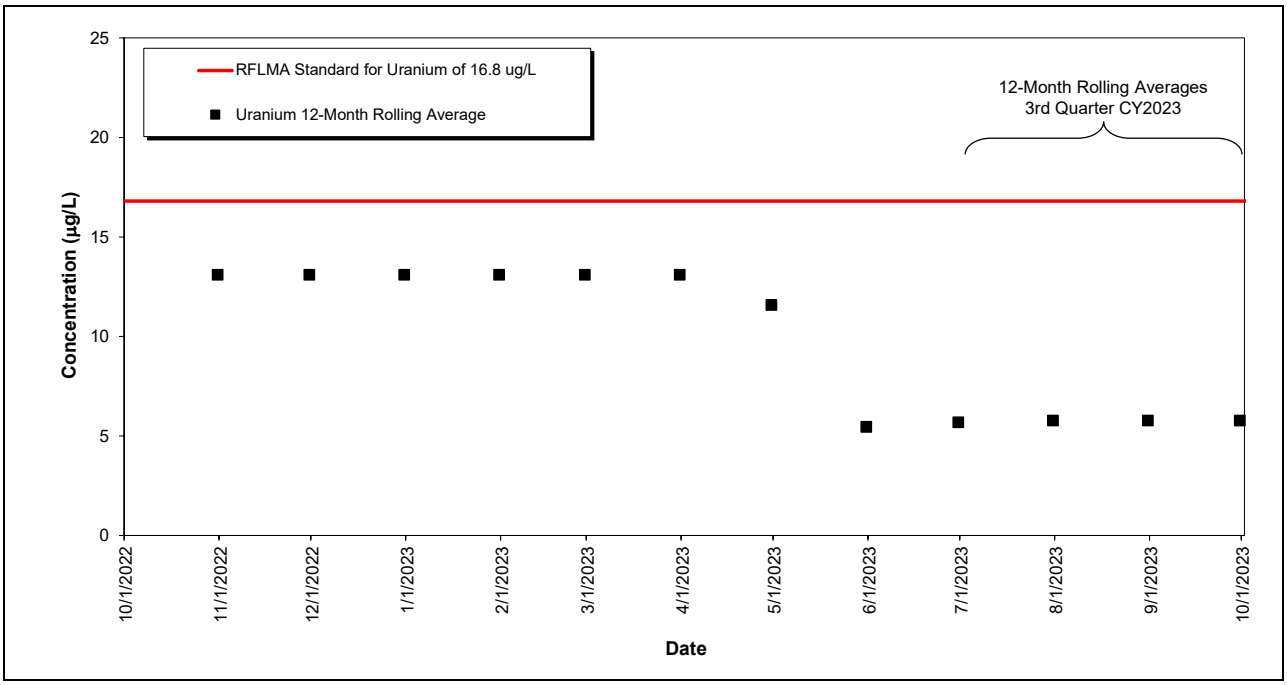
Note: The composite sample started on July 17, 2023, is still in progress. However, since there has been no flow since July 10, 2023, and therefore no samples have been collected, averages can be calculated through the third quarter.

Figure 3. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WALPOC: Year Ending Third Quarter 2023



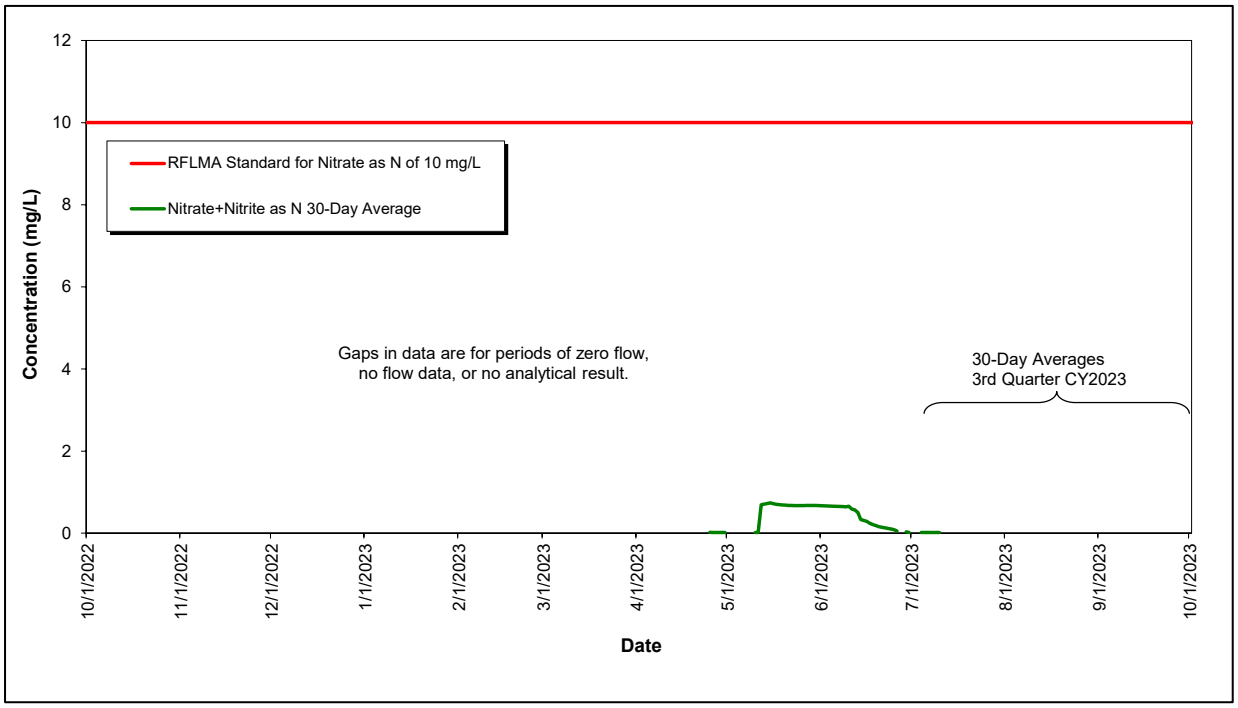
Note: The composite sample started on July 17, 2023, is still in progress. However, since there has been no flow since July 10, 2023, and therefore no samples have been collected, averages can be calculated through the third quarter.
Abbreviation: µg/L = micrograms per liter

Figure 4. Volume-Weighted 30-Day Average Uranium Concentrations at WALPOC: Year Ending Third Quarter 2023



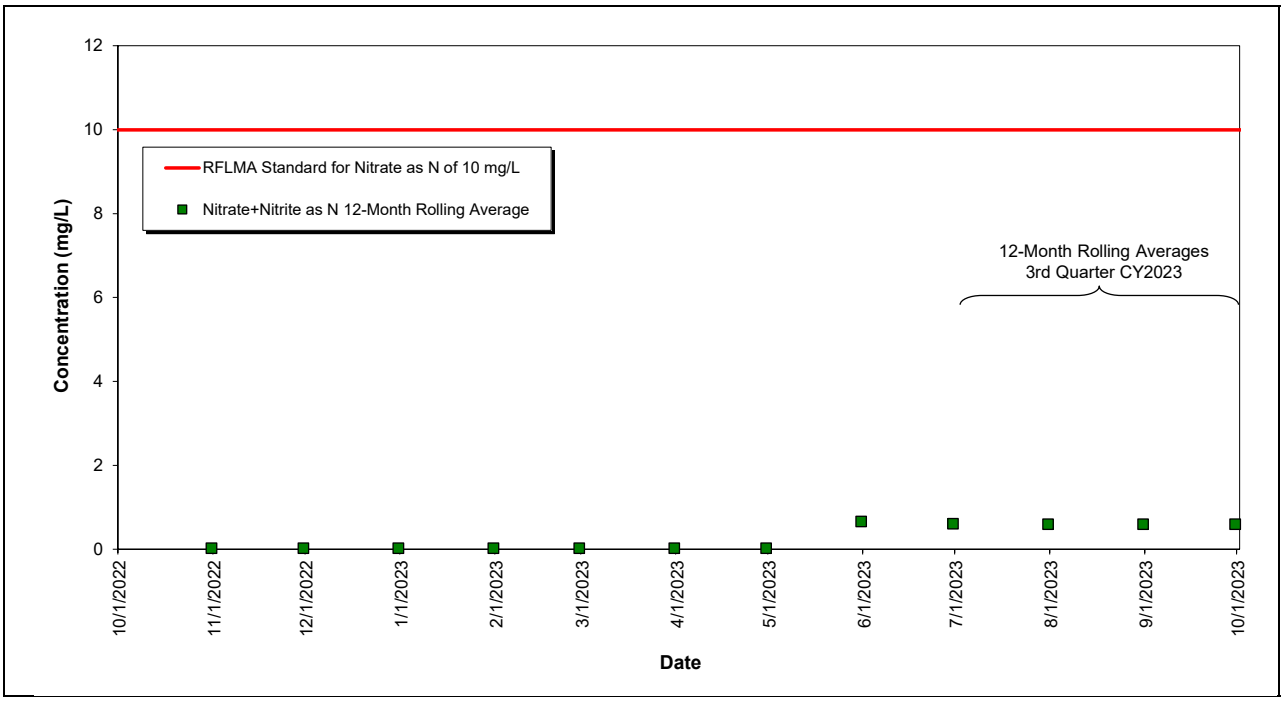
Note: The composite sample started on July 17, 2023, is still in progress. However, since there has been no flow since July 10, 2023, and therefore no samples have been collected, averages can be calculated through the third quarter.
Abbreviation: µg/L = micrograms per liter

Figure 5. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WALPOC: Year Ending Third Quarter 2023



Note: The composite sample started on July 17, 2023, is still in progress. However, since there has been no flow since July 10, 2023, and therefore no samples have been collected, averages can be calculated through the third quarter.
Abbreviation: mg/L = milligrams per liter

Figure 6. Volume-Weighted 30-Day Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending Third Quarter 2023



Note: The composite sample started on July 17, 2023, is still in progress. However, since there has been no flow since July 10, 2023, and therefore no samples have been collected, averages can be calculated through the third quarter.
Abbreviation: mg/L = milligrams per liter

Figure 7. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending Third Quarter 2023

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 third quarter of CY 2023. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.

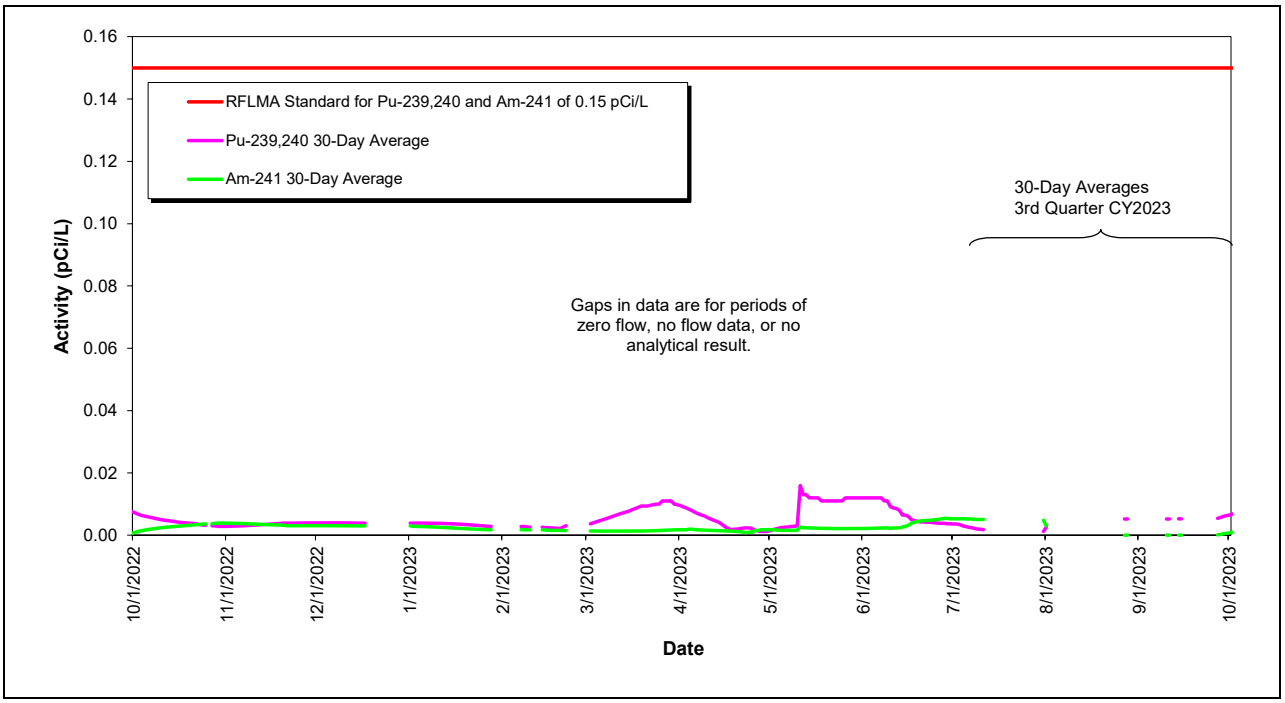


Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WOMPOC: Year Ending Third Quarter 2023

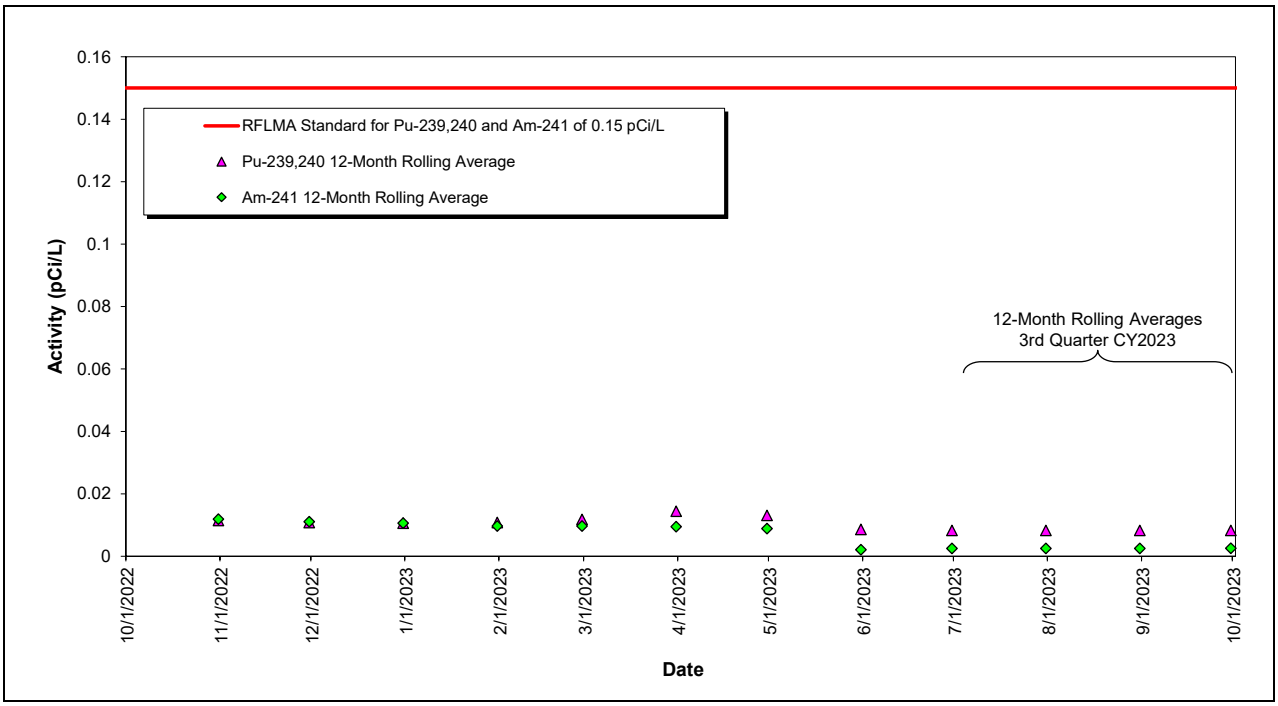
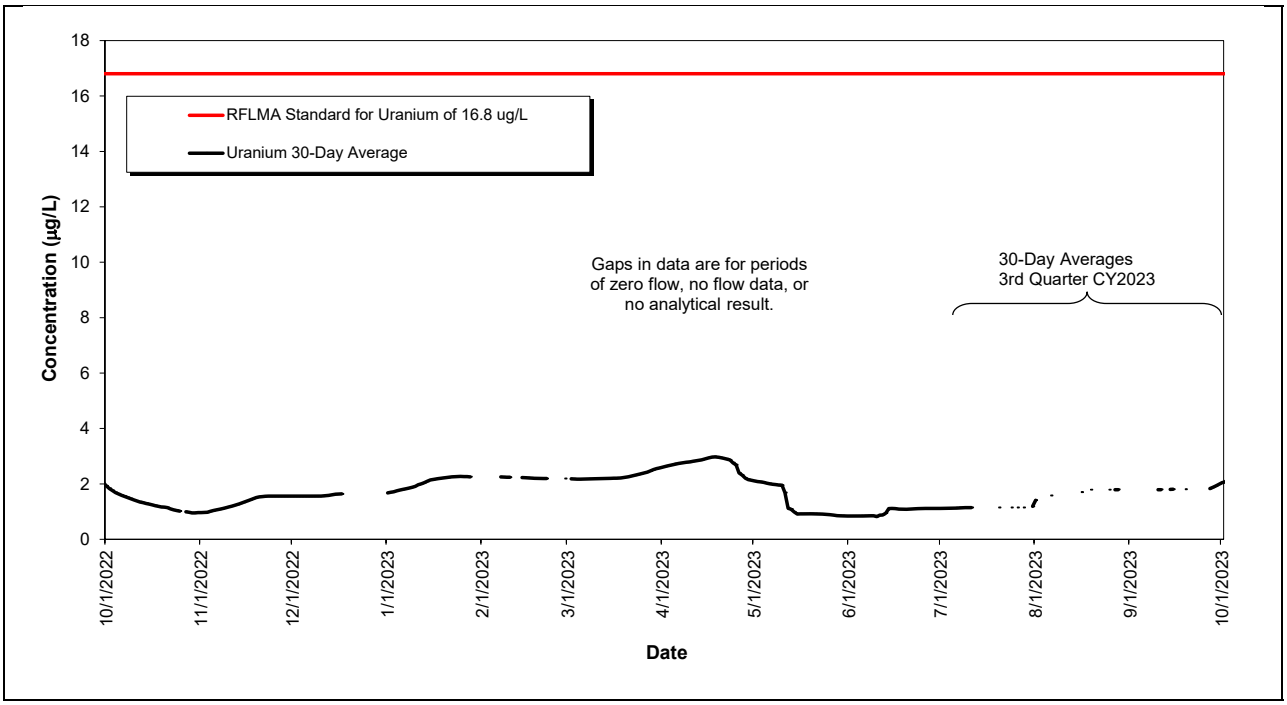
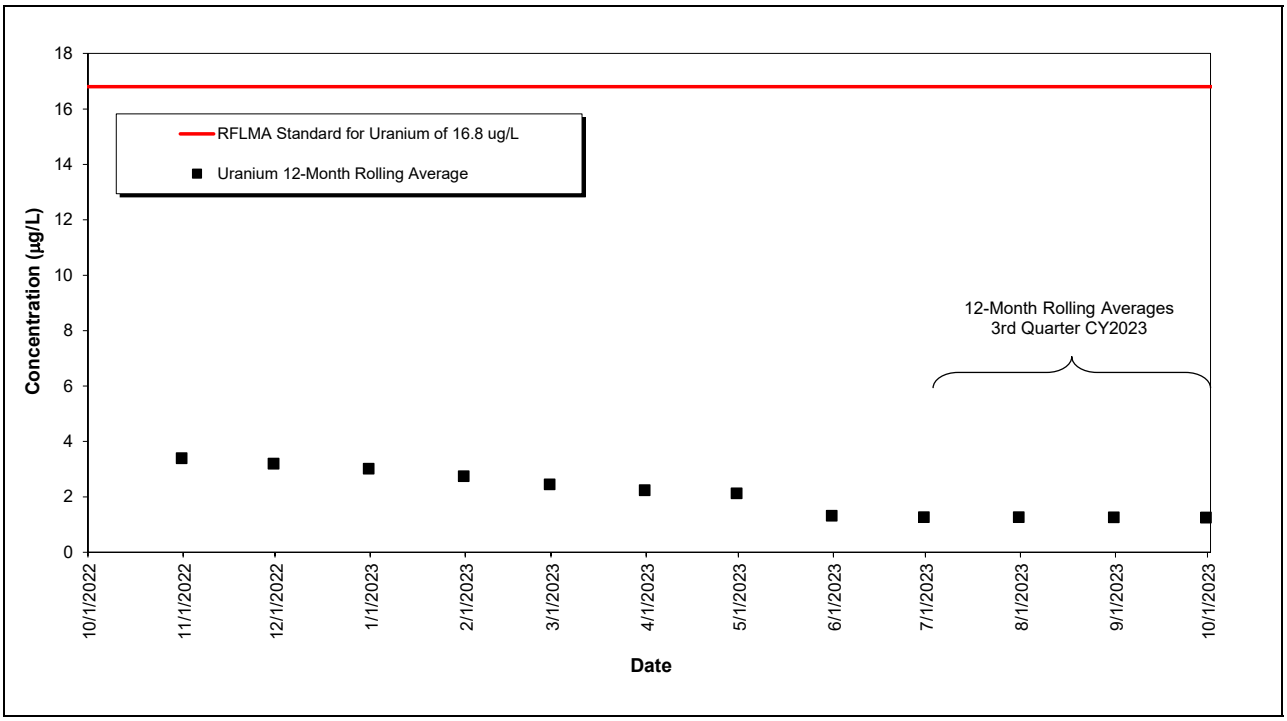


Figure 9. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WOMPOC: Year Ending Third Quarter 2023



Abbreviation: µg/L = micrograms per liter

Figure 10. Volume-Weighted 30-Day Average Uranium Concentrations at WOMPOC: Year Ending Third Quarter 2023



Abbreviation: µg/L = micrograms per liter

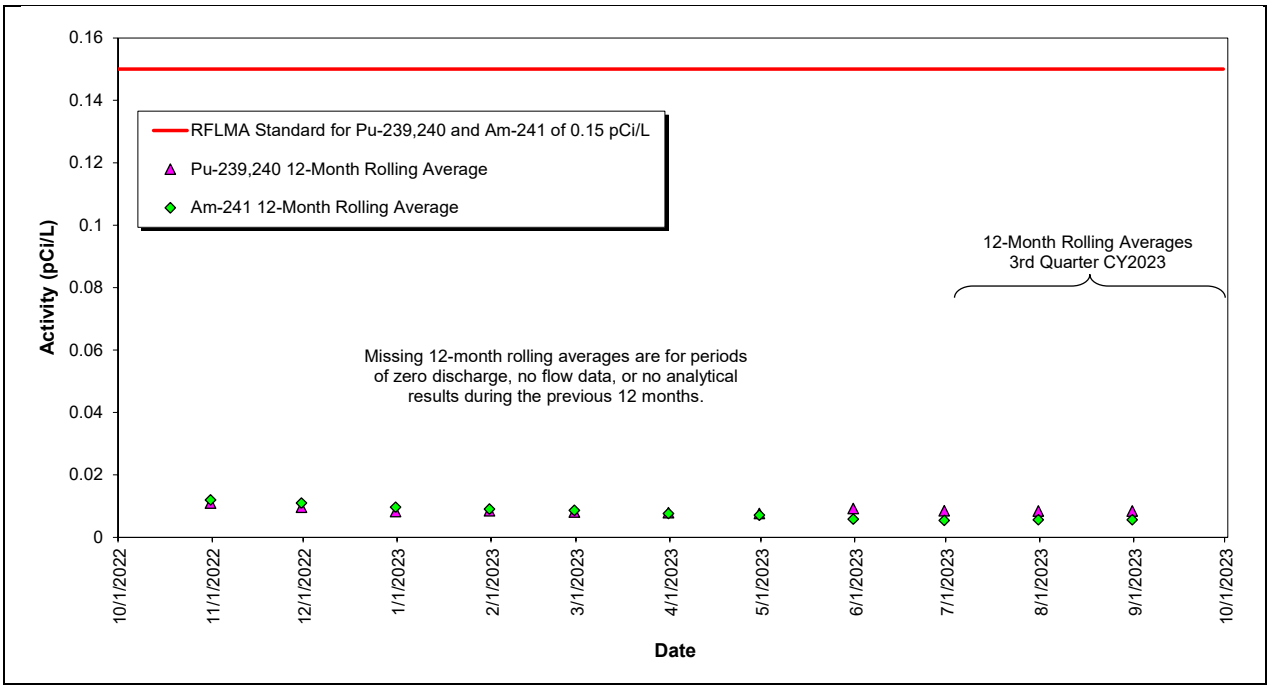
Figure 11. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WOMPOC: Year Ending Third Quarter 2023

3.1.3 POE Monitoring

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

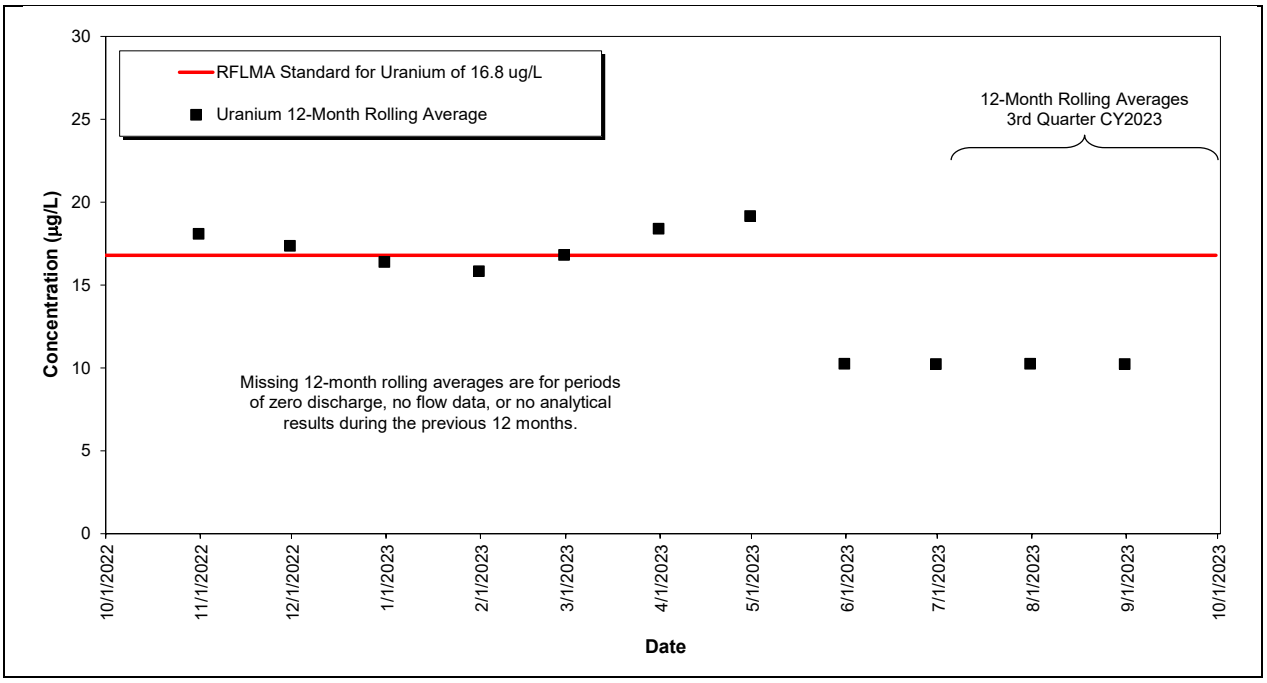
3.1.3.1 Monitoring Location GS10

Monitoring location GS10 is on South Walnut Creek just upstream of the B-Series ponds. The composite sample started on September 6, 2023, was still in progress as of November 30, 2023. Therefore, 12-month rolling averages cannot be calculated after September 5, 2023. Figure 12 and Figure 13 show no occurrences of a reportable condition for Am, Pu, or uranium through September 5, 2023. The method for calculating the 12-month rolling averages is detailed in the annual report.



Note: The composite sample started on September 6, 2023, is still in progress.

Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10: Year Ending Third Quarter 2023



Note: The composite sample started on September 6, 2023, is still in progress.
Abbreviation: µg/L = micrograms per liter

Figure 13. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at GS10: Year Ending Third Quarter 2023

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 third quarter of CY 2023. The method for calculating the 12-month rolling averages is detailed in the annual report.

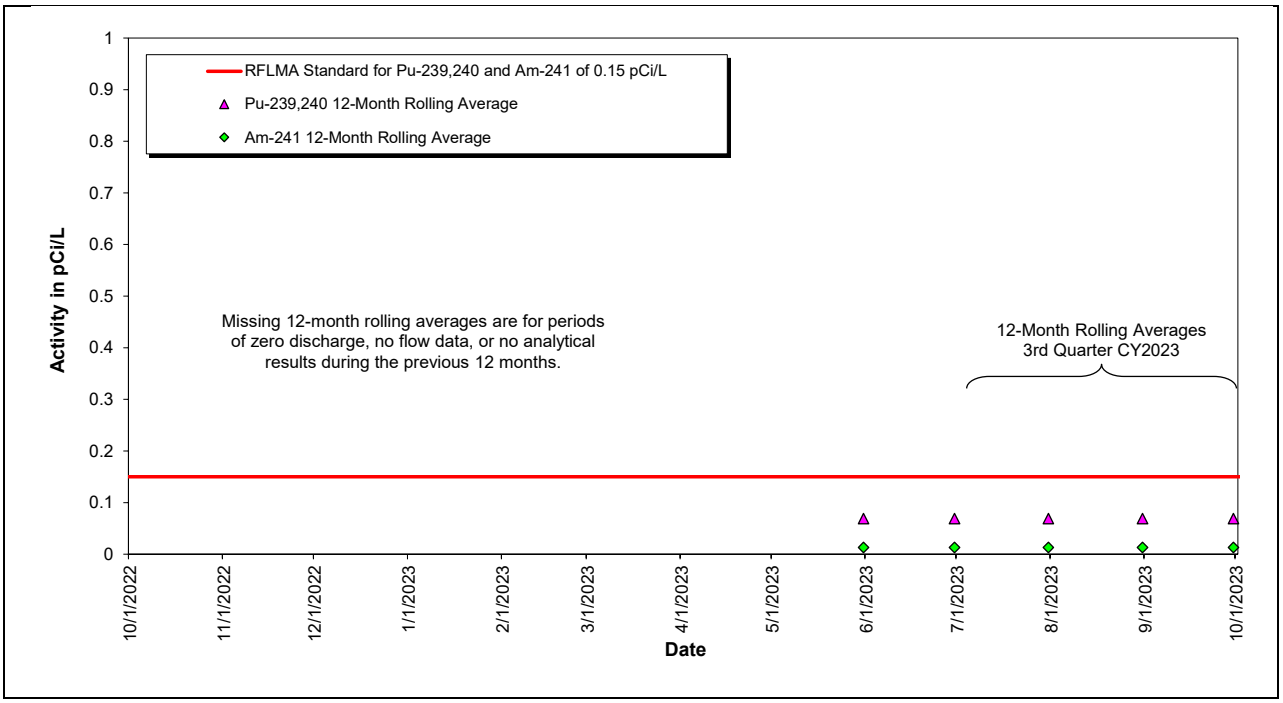
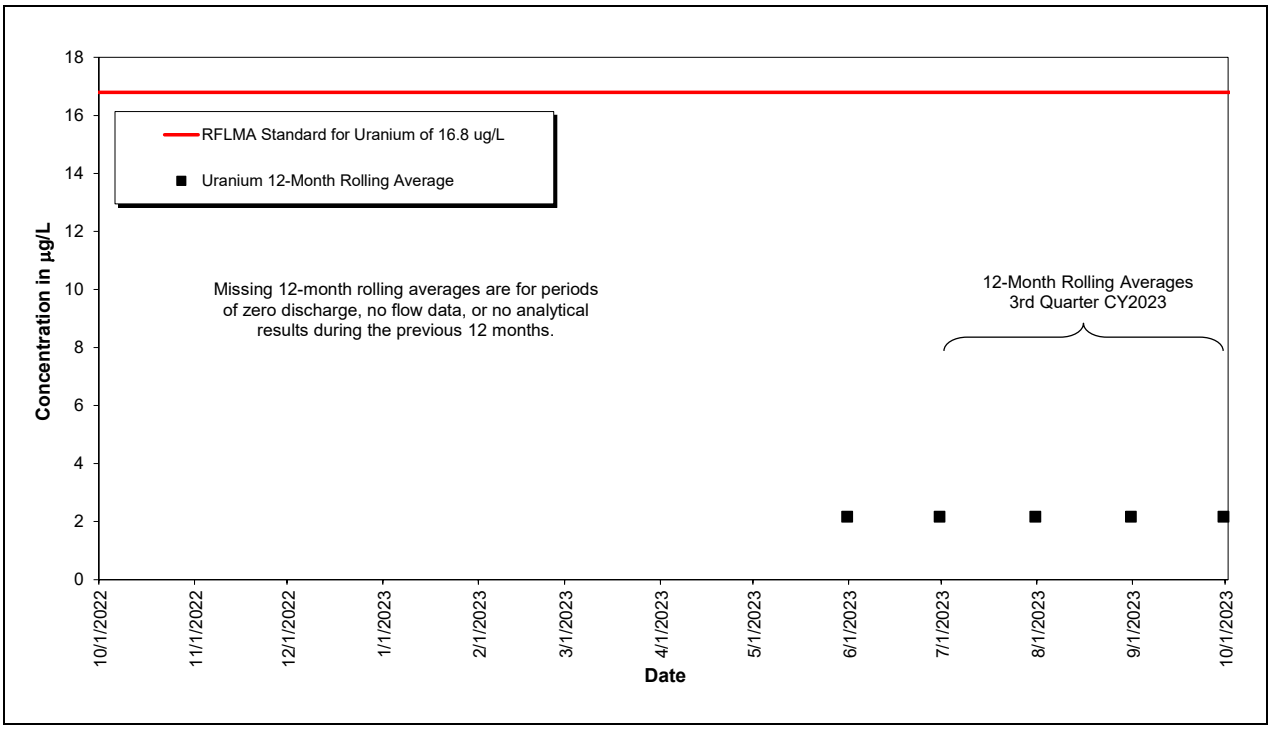


Figure 14. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027: Year Ending Third Quarter 2023



Abbreviation: µg/L = micrograms per liter

Figure 15. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW027: Year Ending Third Quarter 2023

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 second quarter of CY 2023. The composite sample started on July 17, 2023, is still in progress. Therefore, 12-month rolling averages cannot be calculated for the third quarter at this time. The method for calculating the 12-month rolling averages is detailed in the annual report.

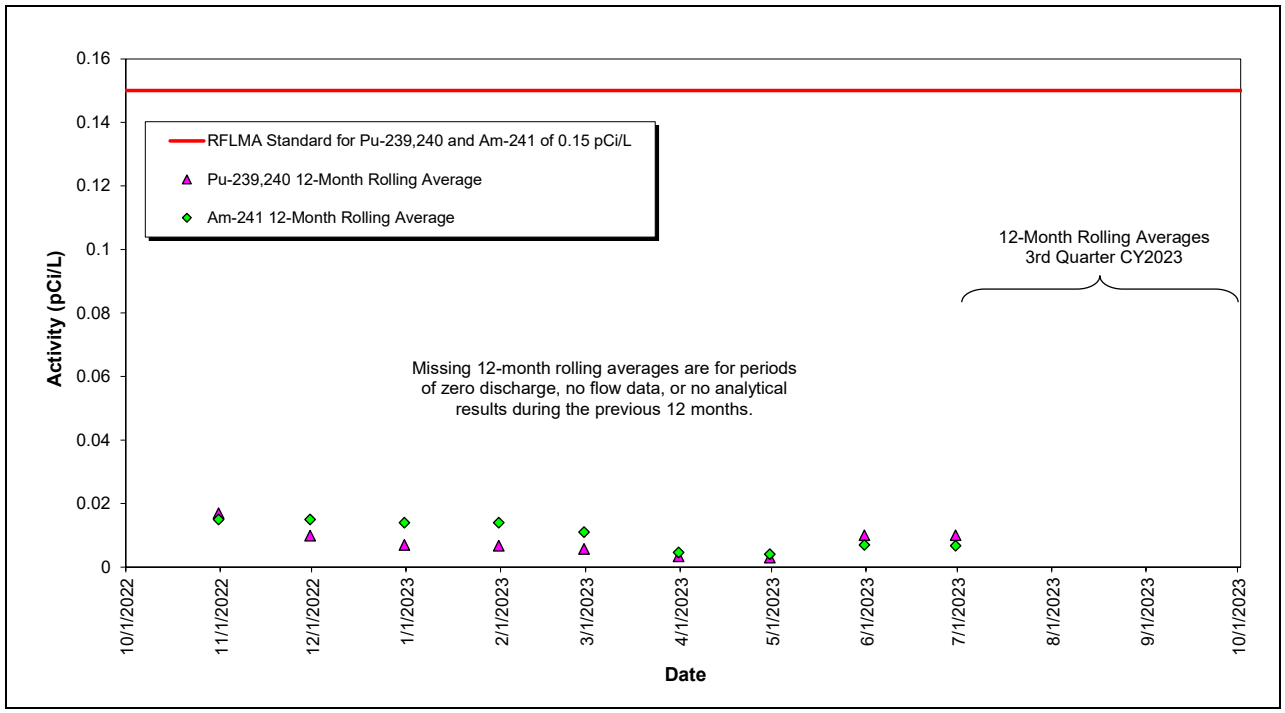


Figure 16. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Year Ending Third Quarter 2023

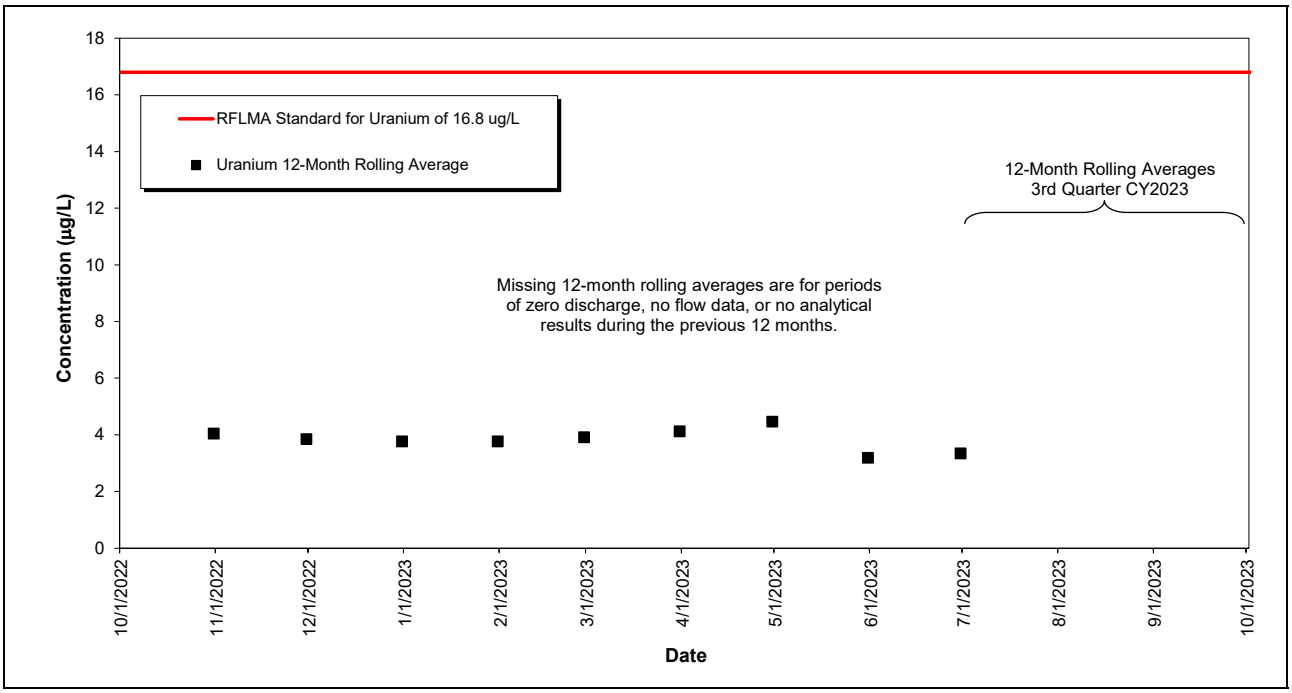


Figure 17. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW093: Year Ending Third Quarter 2023

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 third quarter of CY 2023.

3.1.5 Sentinel Wells

None of the Sentinel wells were scheduled for RFLMA monitoring in the third quarter of CY 2023.

3.1.6 Evaluation Wells

None of the Evaluation wells were scheduled for RFLMA monitoring in the third quarter of CY 2023. 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 2023 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 third quarter of CY 2023. Analytical results (Appendix B) were generally consistent with previous data. Additional discussion and statistical evaluation will be provided in the annual report for CY 2023. 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 third quarter of CY 2023. Analytical results (Appendix B) were generally consistent with previous data. Additional discussion and statistical evaluation will be provided in the annual report for CY 2023.

During the third quarter of CY 2023, when routine surface water sampling was performed in Woman Creek downstream of the OLF (location GS59), the mean concentrations for all analytes except chromium were below the applicable surface water standards.

Two composite samples were collected at GS59 during the third quarter of CY 2023, with chromium concentrations of less than 0.25 microgram per liter (µg/L) (chromium was not detected at that reported detection limit)[3] and 190 µg/L. The arithmetic average of these results is 95.13 µg/L, exceeding the RFLMA Table 1 standard for chromium of 50 µg/L. According to routine RFLMA data evaluation protocols (see Figure 12 of RFLMA Attachment 2), more frequent (monthly) sampling is triggered; the first monthly sample was collected on October 3, 2023.

The October 3, 2023, composite sample at GS59 was collected from the field on November 7, 2023; preliminary results were received from the laboratory on December 5, 2023. Preliminary results indicate that chromium was not detected. Validated results will be reported in the annual report for CY 2023.

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,[4] 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 third quarter of CY 2023.

3.1.9.2 East Trenches Plume Treatment System

None of the ETPTS monitoring locations were scheduled for RFLMA monitoring in the third quarter of CY 2023.

[3] For metal analyte concentrations that are determined to be "undetected" (generally, the analytical result is below the detection limit), one-half the detection limit is used for calculations.

[4] The MSPCS is discussed in this section for consistency and convenience, even though treatment is no longer performed there.

3.1.9.3 Solar Ponds Plume Treatment System

None of the SPPTS monitoring locations were scheduled for RFLMA monitoring in the third quarter of CY 2023.

However, nonroutine samples were collected at the SPPTS during the third quarter of CY 2023 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 2023 and the RFLMA annual report for CY 2023.

3.1.9.4 Present Landfill Treatment System

During collection of the third quarter CY 2023 samples from the PLFTS, the seep influent flow rate was measured at 1.3 gallons per minute. The routine RFLMA quarterly effluent sample was collected on July 12, 2023. Concentrations for all analytes in the effluent sample except boron were below the applicable RFLMA standards.

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; data are currently being evaluated and have been included in this and previous routine reports (Appendix B). 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 third quarter of CY 2023. 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 third quarter of CY 2023.

5.0 Ecological Monitoring

During the third quarter of CY 2023, Preble's meadow jumping mouse (Preble's mouse) (*Zapus hudsonius preblei*) mitigation monitoring, wetland mitigation monitoring, and revegetation monitoring were conducted. The Preble's mouse monitoring data have been summarized and delivered to the U.S. Fish and Wildlife Service in the *2023 Annual Mitigation Monitoring Report for the Preble's Meadow Jumping Mouse at the Rocky Flats Site, Colorado* (DOE 2023). The wetland mitigation monitoring was conducted to evaluate the status of selected mitigation wetlands. Revegetation monitoring was conducted at several monitoring locations throughout the COU to evaluate the status of the revegetation parcels. These data will be summarized in the annual report for CY 2023.

Other ecological monitoring conducted during the third quarter of CY 2023 included weed mapping, photo point monitoring, and prairie dog surveys. No active prairie dog towns were observed within the Site boundaries; however, prairie dog activity was noted both northeast and southeast of the Site boundaries. Three individual black-tailed prairie dogs (*Cynomys ludovicianus*) were noted outside the COU, south of Pond C-2. Numerous black-tailed prairie dogs and burrows were noted to the northeast of the COU, south of State Highway 128 near the Rocky Flats National Wildlife Refuge parking lot where prairie dog relocations have been taking place.

Land management activities included interseeding and adding erosion controls in areas with low vegetation cover. Personnel conducted weed control for infestations of high-priority noxious weeds, including hairy willowherb (*Epilobium hirsutum*) and Fuller's teasel (*Dipsacus fullonum*). More details on ecological monitoring and land management activities will be provided in the annual report for CY 2023.

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), 2023. *2023 Annual Mitigation Monitoring Report for the Preble's Meadow Jumping Mouse at the Rocky Flats Site, Colorado*, LMS/RFS/45982, Office of Legacy Management, November.

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, Third Quarter 2023

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 7/18/23 Time: 0710

Precipitation: MET* 0.95" NREL* NA Weather: Partly Cloudy 79F Report Type: ☒ Monthly ☐ Weather-related

Reviewed by: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.07.20 13:32:08 -06'00' Review date:

*Since last report

Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	NO	NO	N/A	
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	Seep 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 Evaluation				
Seep	**Visible Saturation**	**Visible Flow**	**Approximate Flow**	**Description**
Seep 1*	NO			
Seep 2/3*	NO			
Seep 4*	NO			
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	YES	< 1 GPM	
Seep 8a	NO			
Seep 8b	NO			
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	Not an official seep. See footnote below
Seep 8	YES	YES	1-2 GPM	

Maintenance required, comments, and photo log:
No issues. Seeps 1, 4, and 8B have had dry soils throughout July.

* 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	No	
French Drain (SID)	No	No	YES	2-3 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:		

Violations of Institutional Controls		
Item		**Comments**
Evidence of unauthorized[1] excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized[1] construction of roads, trails, or buildings on cover?	No	
Evidence of unauthorized[1] 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.

[1] 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: 7/18/23

Reviewer signature: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.07.20 13:36:06 -06'00' Date: _____

Attachment 1: July 2023 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 July 18, 2023. The weather was partly cloudy with an ambient temperature of 79 °F during the inspection. The Rocky Flats Site meteorological tower recorded 0.95 inches of precipitation between this inspection and the previous monthly inspection performed on June 23, 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 July 18, 2023).

Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**) were in good condition. The East Perimeter Channel (EPC) was in good condition (**Figure 4**). The West Perimeter Channel (WPC) was in good condition (**Figure 5**). There is erosion occurring beneath the turf reinforcement mat (TRM) in the WPC where vegetation is sparse. Eroded sediments are being captured and are remaining below the TRM. Field staff will address the erosion beneath the TRM and the sparse vegetation along the lower end of the WPC in August by removing sections of TRM with little to no vegetation, and then raking, reseeding, and placing new erosion controls where necessary.

The Seep 1, 4, and 8B locations began to dry in July. The Seep 7 location (**Figure 6**) had a flow of less than 1 gallon per minute (gpm). The Seep 8 location (**Figure 7**) had a flow of 1–2 gpm. All other historical seep locations were dry at the time of the inspection.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 8**), which was not flowing during the inspection. 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 and had a flow of 2–3 gpm during the inspection.

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)[1] 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 July 2023 Inspection Findings

Berms 4–7 were in good condition. The EPC was in good condition. The WPC was in good condition. There is erosion occurring beneath the TRM in the WPC where vegetation is sparse. Eroded sediments are being captured and are remaining below the TRM. Field staff will address the erosion beneath the TRM

[1] *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.

and the lack of vegetation along the lower end of the WPC in August, removing sections of TRM with little to no vegetation, and then raking, reseeding, and placing erosion controls where necessary.
The Seep 1, 4, and 8B locations began to dry in July. The Seep 7 location had a flow of less than 1 gpm. The Seep 8 location had a flow of 1–2 gpm. All other historical seep locations were dry at the time of the inspection. No issues were noted with the ESSD, which was not flowing during the inspection. No issues were noted with 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.

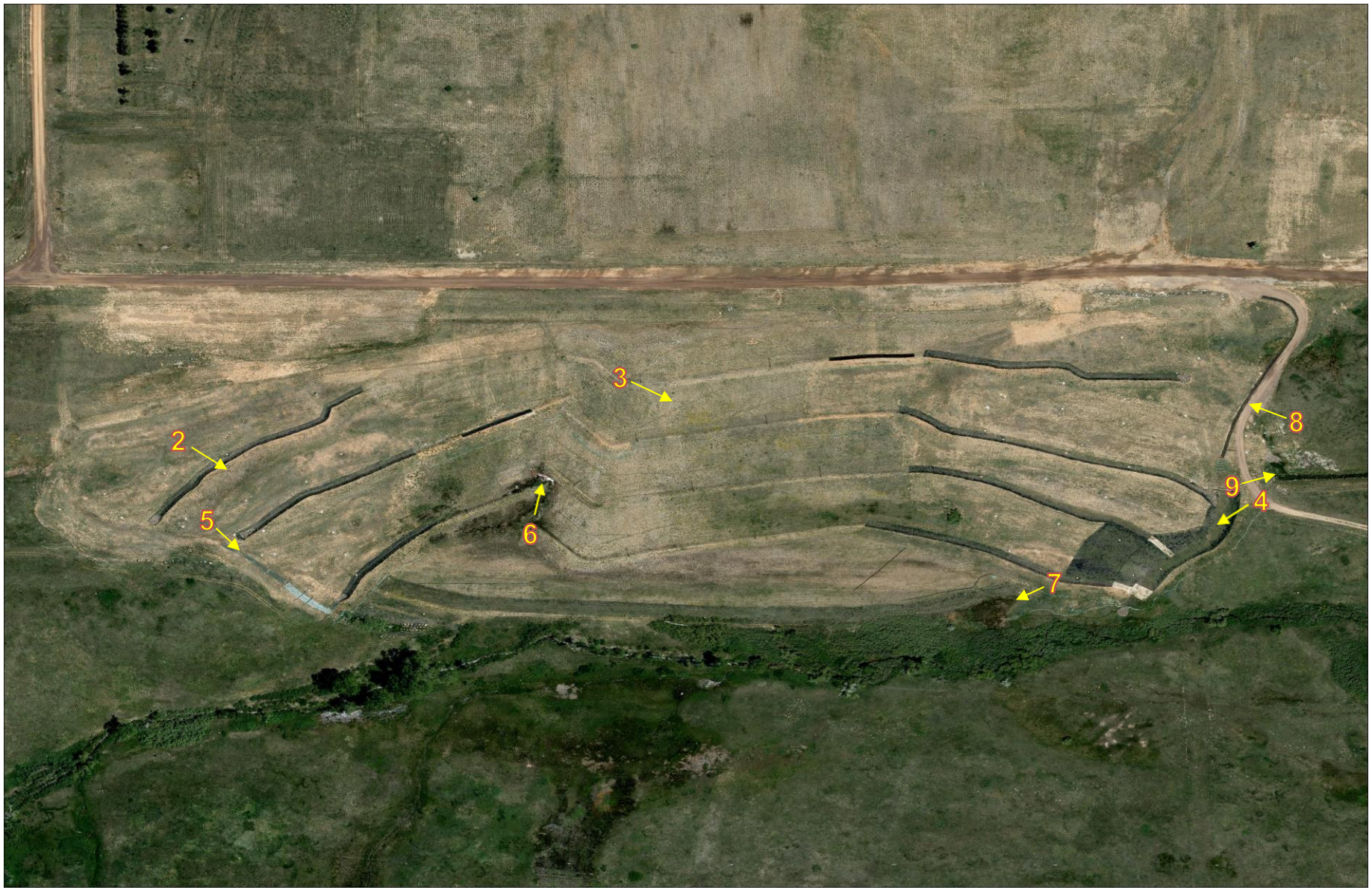


Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 19, 2023)

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 South-Southeast at the WPC, Which Was in Good Condition

Figure 6. North-Northeast at Seep 7 and the Surrounding Area, Which Had a Flow of Less Than 1 gpm

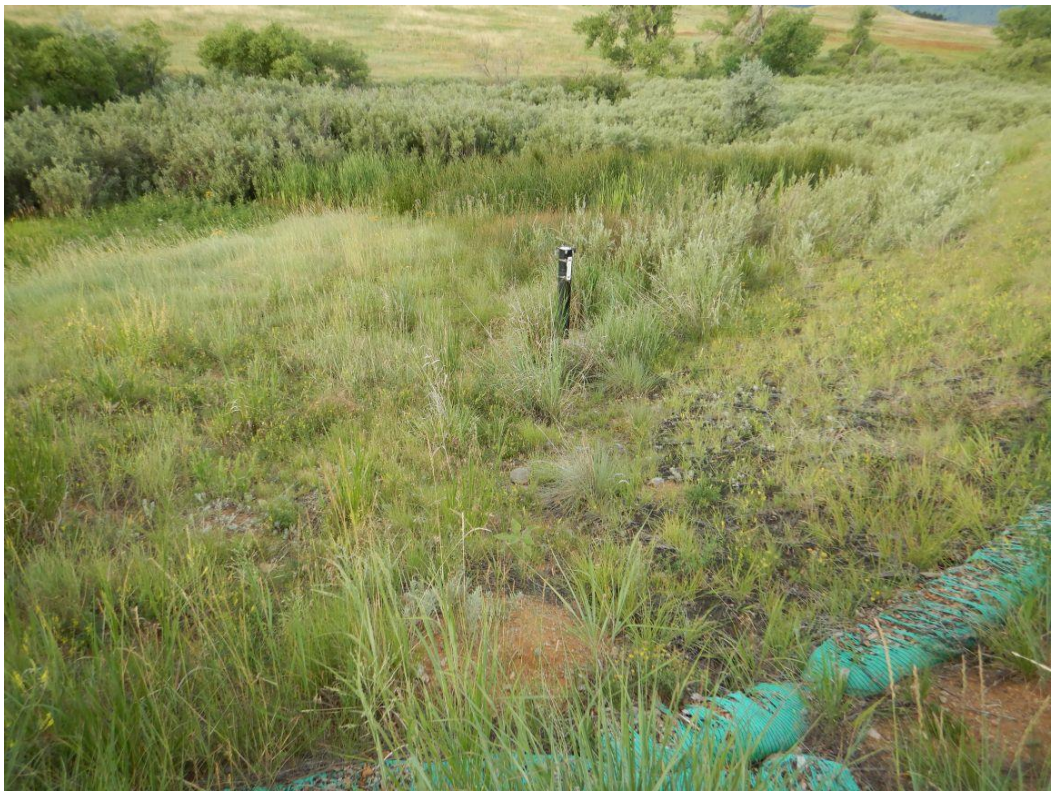


Figure 7. Looking West-Southwest at Seep 8 and the Surrounding Area, Which Had a Flow of 1–2 gpm

Figure 8. Looking West-Northwest at the ESSD (Cleanouts) and the Surrounding Area, Which Were Dry During the Inspection

Figure 9. 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

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 8/28/23 Time: 1030

Precipitation: MET* 2.92 inches NREL* _____ Weather: Cloudy, 72°F Report Type: ☒ Monthly ☐ Weather-related

Reviewed by: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.08.30 09:13:47 -06'00' Review date: _____

*Since last report

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 + 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 Evaluation				
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	< 1 gpm	
Seep 8a	YES	NO		
Seep 8b	YES	No		
Seep 8c	YES	No		
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	Not an official seep - see footnote
Seep 8	YES	YES	~ 1 gpm	

Maintenance required, comments, and photo log:
Rainfall previous day.

* 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 gpm
French Drain (SID)	NO	NO	YES	1-2 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[1] excavations of cover and immediate vicinity of cover?	NO	
Evidence of unauthorized[1] construction of roads, trails, or buildings on cover?	NO	
Evidence of unauthorized[1] 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.

[1] 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: [signature] Date: 8/28/23

Reviewer signature: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.08.30 09:11:58 -06'00' Date:

Attachment 1: August 2023 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 August 28, 2023. The weather was cloudy with an ambient temperature of 72 °F during the inspection. The Rocky Flats Site meteorological tower recorded 2.92 inches of precipitation between this inspection and the previous monthly inspection performed on July 18, 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 August 28, 2023).

Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**) were in good condition. The East Perimeter Channel (EPC) was in good condition (**Figure 4**). Sparse vegetation and preexisting erosion beneath the turf reinforcement mat (TRM) in the West Perimeter Channel (WPC) is being addressed by field staff to include the removal of sections of TRM with little to no vegetation, double-seeding, wood straw cover and placing new erosion controls where necessary (**Figure 5**).

Visible soil moisture was noted across the landfill from recent precipitation. The Seep 1, 4, 8A, 8B, and 8C locations had visible soil moisture. The Seep 7 location (**Figure 6**) had a flow of less than 1 gallon per minute (gpm). The Seep 8 location (**Figure 7**) had a flow of approximately 1 gpm. All other historical seep locations were dry at the time of the inspection.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 8**), which had a flow of less than 1 gpm. 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 and had a flow of 1–2 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)[1] 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 August 2023 Inspection Findings

Berms 4–7 were in good condition. The EPC was in good condition. Field staff are addressing the erosion beneath the TRM and the lack of vegetation along the lower end of the WPC by removing sections of TRM with little to no vegetation, laying wood straw, reseeding, and placing erosion controls where necessary.

[1] *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.

Visible soil moisture was noted across the landfill from recent precipitation. The Seep 1, 4, 8A, 8B, and 8C locations had visible soil moisture. The Seep 7 location (**Figure 6**) had a flow of less than 1 gallon per minute (gpm). The Seep 8 location (**Figure 7**) had a flow of approximately 1 gpm. All other historical seep locations were dry at the time of the inspection. 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 and had a flow of 1–2 gpm.

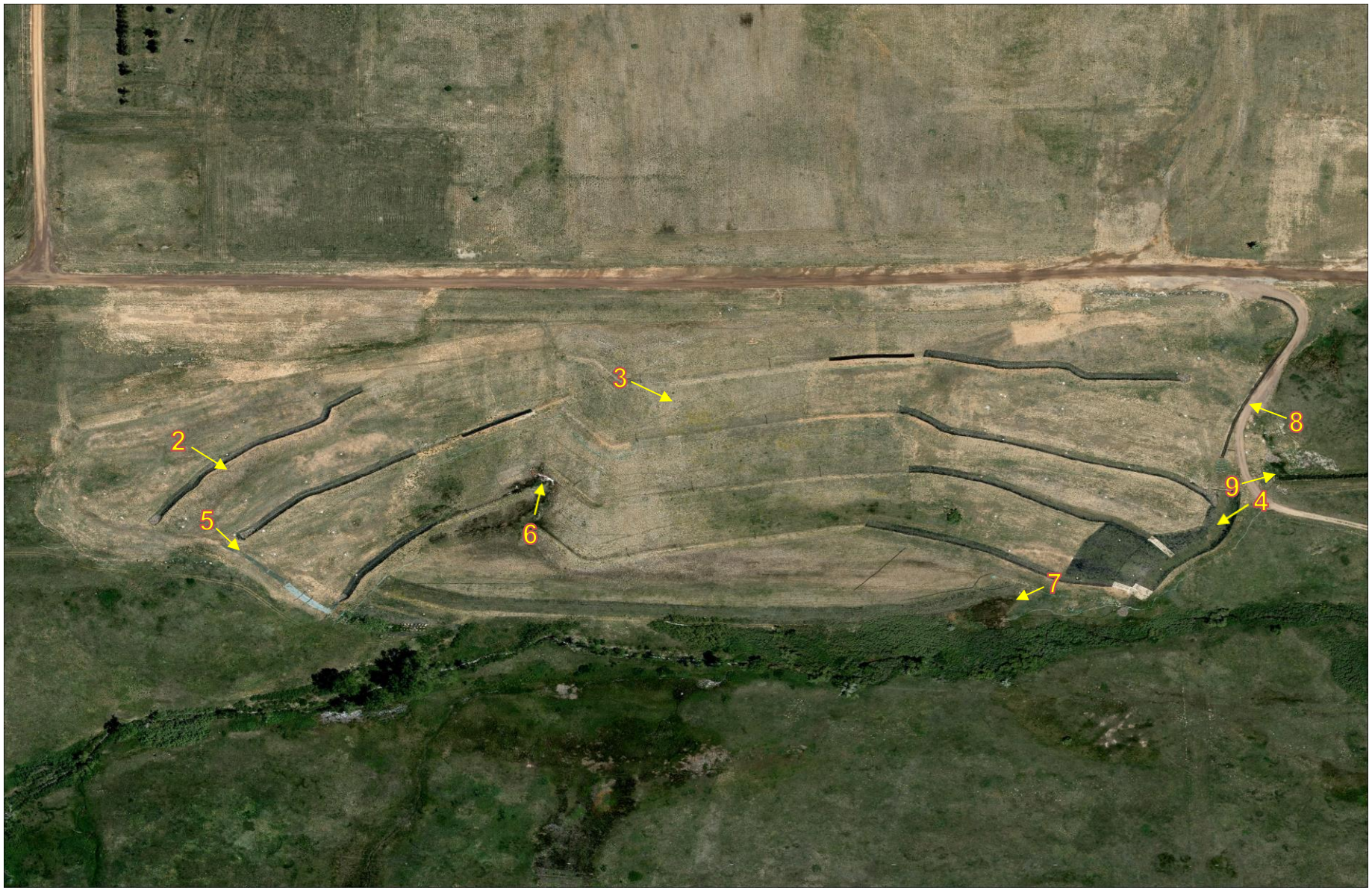


Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 19, 2023)

Figure 2. Looking East-Southeast at 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 West-Northwest at the WPC, Where Erosion Beneath the TRM and the Lack of Vegetation Along the Lower End of the WPC Is Being Addressed by Removing Sections of TRM With Little to No Vegetation, Laying Wood Straw, Reseeding, And Placing Erosion Controls Where Necessary.

Figure 6. North-Northeast at Seep 7 and the Surrounding Area, Which Had a Flow of Less Than 1 gpm

Figure 7. Looking West-Southwest at Seep 8 and the Surrounding Area, Which Had a Flow of Approximately 1 gpm

Figure 8. Looking West-Northwest at the ESSD (Cleanouts) and the Surrounding Area, Which Was Flowing At Less Than 1 gpm

Figure 9. 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 1–2 gpm

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 9/18/23 Time: 1030

Precipitation: MET* 1.34 inches NREL* NA Weather: Cloudy 77°F Report Type: ☒ Monthly ☒ Weather-related

Reviewed by: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.10.12 10:51:29 -06'00' Review date:

*Since last report

Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	NO	NO	No issues	
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:

This inspection is being performed as a combined monthly and weather-related inspection after the site received 1+ inch 9/14-9/15/23.

No new issues were noted during this inspection.

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 outside of 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*	NO			
Seep 2/3*	NO			
Seep 4*	YES	NO		damp soil
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	NO		damp soil
Seep 8a	NO			
Seep 8b	NO			
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	single year appearance, See Footnote.
Seep 8	YES	YES	~ 1 gpm	

Maintenance required, comments, and photo log:

soil moisture at Seep 4 has migrated to the east side of the location.

* 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 gpm	
French Drain (SID)	No	No	YES 1-2 gpm	

Maintenance required and photo log:

No issues with water management structures.

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 with run-on control.		

Violations of Institutional Controls		
Item		**Comments**
Evidence of unauthorized[1] excavations of cover and immediate vicinity of cover?	NO	
Evidence of unauthorized[1] construction of roads, trails, or buildings on cover?	NO	
Evidence of unauthorized[1] 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 violations of institutional controls.		

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

[1] 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: Matthew Kuder Date: 9/18/23

Reviewer signature: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.10.12 10:52:27 -06'00' Date:

Attachment 1: September 2023 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 September 18, 2023, and combined with a weather-related inspection after the Site received rainfall greater than 1 inch. The weather was cloudy with an ambient temperature of 77 °F during the inspection. The Rocky Flats Site meteorological tower recorded 1.34 inches of precipitation between this inspection and the previous monthly inspection performed on August 28, 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 September 18, 2023).

Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**) were in good condition. The East Perimeter Channel (EPC) was in good condition (**Figure 4**). Field staff continue to address the sparse vegetation and preexisting erosion beneath the turf reinforcement mat (TRM) in the West Perimeter Channel (WPC) (**Figure 5**). Actions included the removal of sections of the TRM with little to no vegetation, double seeding, wood straw cover, and placing new erosion controls where necessary (**Figure 6**).

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

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 8**), which had a flow of less than 1 gpm. 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 and had a flow of 1–2 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)[1] 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 September 2023 Inspection Findings

Berms 1–7 were in good condition. The EPC was in good condition. Progress is being made in addressing the erosion beneath the TRM and the lack of vegetation along the lower end of the WPC by removing sections of the TRM with little to no vegetation, laying wood straw, reseeding, and placing erosion controls where necessary. The Seep 4 and 7 locations had visible soil moisture. The Seep 8 location had a

[1] *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.

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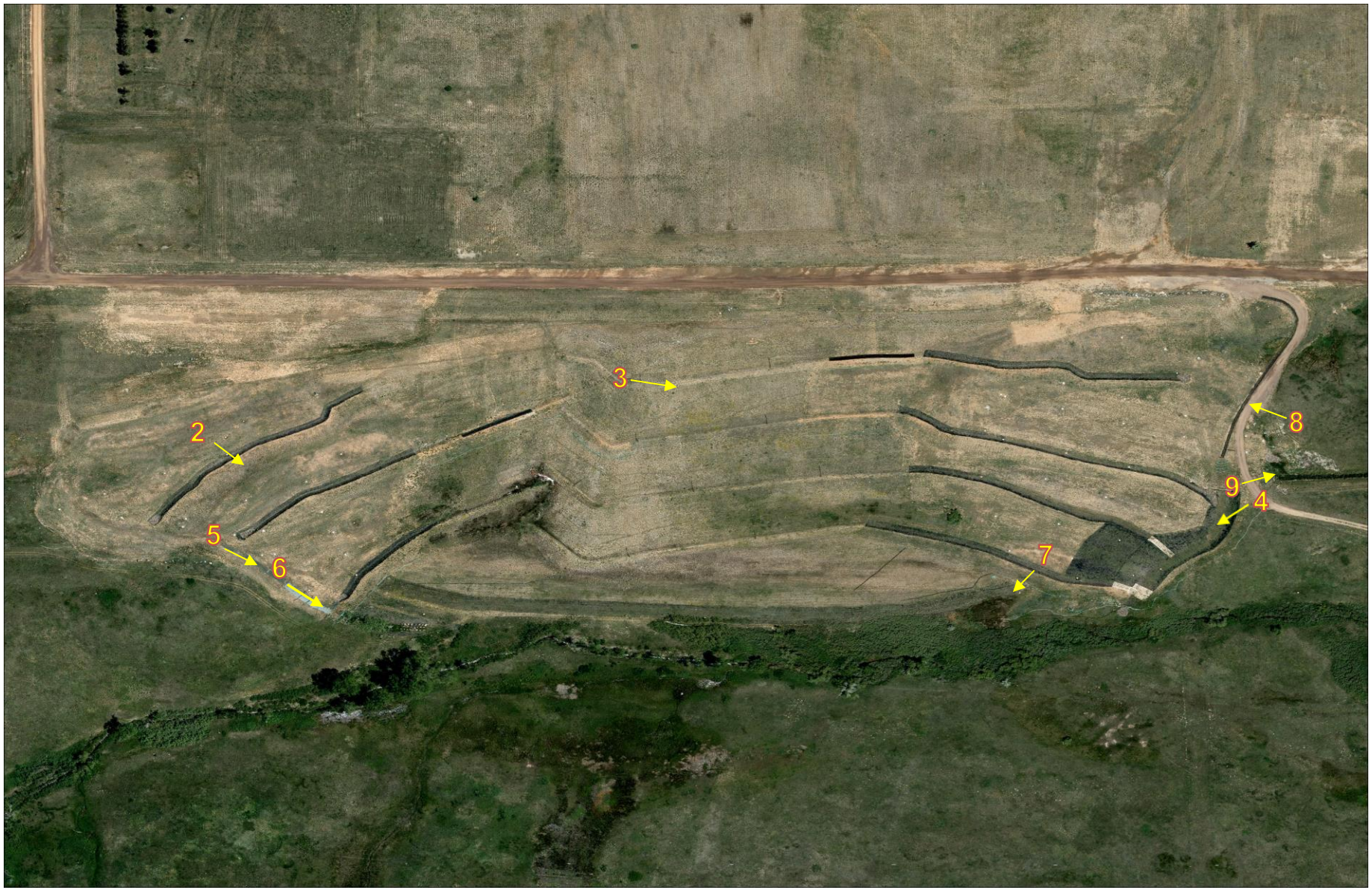


Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 19, 2023)

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

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

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

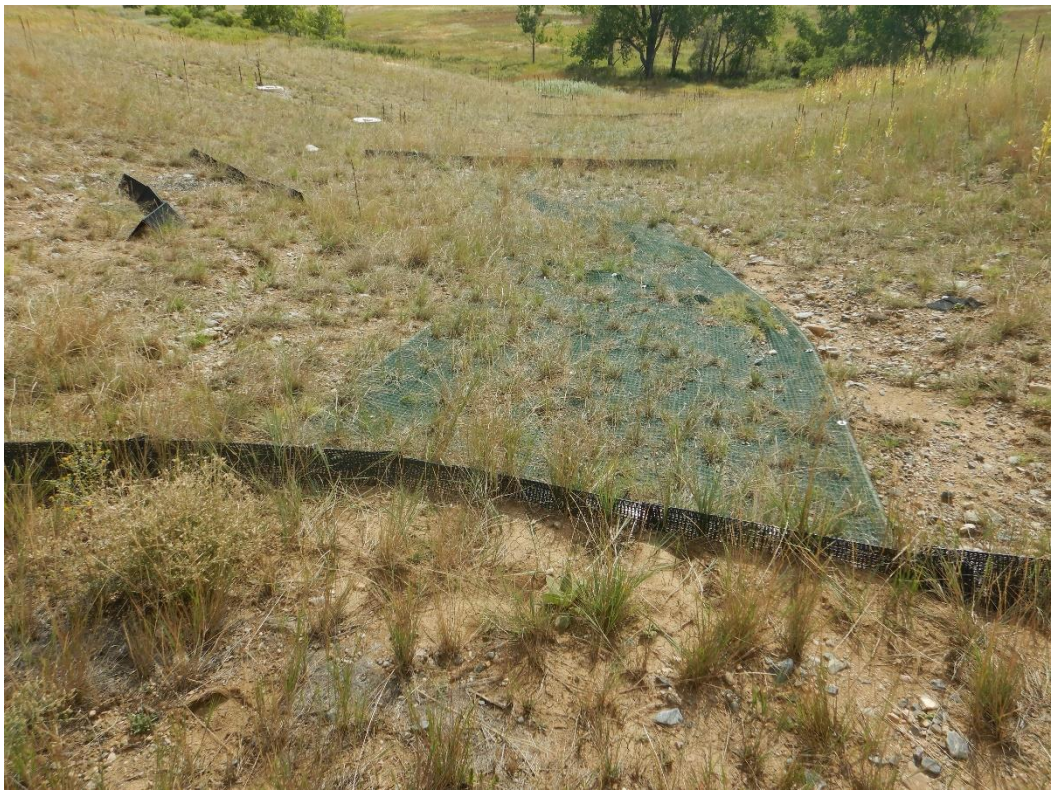


Figure 5. Looking Southeast at the WPC, Where There Is Erosion Beneath the TRM and a Lack of Vegetation Along the Lower End of the WPC

Figure 6. Looking Southeast at the Lower Portion of the WPC, Where Sections of the TRM with Little To No Vegetation Were Removed and Replaced with Wood Straw, Seed, and Erosion Controls

Figure 7. Looking South-Southwest at Seep 8 and the Surrounding Area, Which Had a Flow of Approximately 1 gpm During the Inspection

Figure 8. Looking West-Northwest at the ESSD (Cleanouts) and the Surrounding Area, Which Was Flowing at Less Than 1 gpm During the Inspection

Figure 9. 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 1–2 gpm During the Inspection

Rocky Flats Site
Original Landfill - Settlement Plates Monitoring
Quarterly Survey September 5, 2023 Comparison to Previous June 5, 2023

09-05-2023 OBSERVATIONS					DELTA	DELTA	DELTA	06-05-2023 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
69027	747913.28	2082234.22	6004.86	N RIM PIPE AA	-0.01	0.01	0.01	68883	747913.27	2082234.23	6004.87	N RIM PIPE AA
69028	747644.88	2081851.29	5975.22	N RIM PIPE BB	-0.02	0.00	0.01	68884	747644.87	2081851.29	5975.23	N RIM PIPE BB
69031	747883.13	2081665.94	6019.49	N RIM PIPE CC	0.00	0.02	0.03	68887	747883.13	2081665.96	6019.52	N RIM PIPE CC
69032	747803.26	2081642.35	6006.03	N RIM PIPE DD	0.01	0.00	0.05	68888	747803.27	2081642.35	6006.08	N RIM PIPE DD
69033	747700.66	2081620.54	5988.50	N RIM PIPE EE	0.00	0.02	0.04	68889	747700.66	2081620.56	5988.53	N RIM PIPE EE
69035	747703.22	2081407.73	5997.09	N RIM PIPE FF	0.01	0.00	0.02	68891	747703.23	2081407.72	5997.11	N RIM PIPE FF
69034	747563.08	2081656.30	5974.08	N RIM PIPE GG	0.00	0.01	0.02	68890	747563.09	2081656.31	5974.10	N RIM PIPE GG
69036	747776.78	2081215.24	6021.89	N RIM PIPE HH	0.00	0.01	0.03	68892	747776.78	2081215.26	6021.92	N RIM PIPE HH

PIPE AA THE SOIL SURROUNDING PIPE AA WAS TEMPORARLY 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 09-05-2023 OBSERVATION AND THE 06-05-2023 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

09-05-2023 OBSERVATIONS					DELTA	DELTA	DELTA	06-05-2023 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
69027	1747922.73	3082079.57	6008.40	N RIM PIPE AA	0.00	0.01	0.01	68883	1747922.72	3082079.58	6008.41	N RIM PIPE AA
69028	1747654.34	3081696.64	5978.76	N RIM PIPE BB	-0.02	0.00	0.01	68884	1747654.32	3081696.64	5978.77	N RIM PIPE BB
69031	1747892.58	3081511.29	6023.03	N RIM PIPE CC	0.00	0.02	0.03	68887	1747892.58	3081511.32	6023.06	N RIM PIPE CC
69032	1747812.71	3081487.70	6009.57	N RIM PIPE DD	0.01	0.00	0.05	68888	1747812.72	3081487.70	6009.62	N RIM PIPE DD
69033	1747710.11	3081465.89	5992.04	N RIM PIPE EE	0.00	0.02	0.04	68889	1747710.11	3081465.91	5992.07	N RIM PIPE EE
69035	1747712.67	3081253.08	6000.63	N RIM PIPE FF	0.01	0.00	0.02	68891	1747712.68	3081253.08	6000.65	N RIM PIPE FF
69034	1747572.54	3081501.65	5977.62	N RIM PIPE GG	0.00	0.01	0.02	68890	1747572.54	3081501.66	5977.64	N RIM PIPE GG
69036	1747786.23	3081060.60	6025.43	N RIM PIPE HH	0.00	0.01	0.03	68892	1747786.23	3081060.61	6025.46	N RIM PIPE HH

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 09-05-2023 OBSERVATION AND THE 06-05-2023 OBSERVATION
POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88

PRESENT LANDFILL – MONITORING AND MAINTENANCE PROGRAM

INSPECTION FORM 3rd Quarter inspection

INSPECTOR: Nathan Krohn DATE: 8/14/23 TIME: 1135 REVIEWED BY: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.08.16 08:41:34 -06'00'

TEMPERATURE: 73°F WEATHER CONDITIONS: Partly Cloudy, 73°F REVIEW DATE:

METEOROLOGICAL STATION LOCATION: ~5.44 inches (5/16/23 - 8/14/23)

SUBSIDENCE/CONSOLIDATION

REGION	EVIDENCE OF CRACKS?	EVIDENCE OF DEPRESSIONS?	EVIDENCE OF SINK HOLES?	EVIDENCE OF PONDING?	OTHER (DESCRIBE BELOW)
TOP OF COVER – WEST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
TOP OF COVER – EAST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – CENTRAL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH SEEP*	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ 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	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
PERIMETER CHANNEL OUTER SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
PERIMETER CHANNEL OUTER SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – CENTRAL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH SEEP*	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

* 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	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
TOP OF COVER – EAST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE — CENTRAL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
AREA WHERE EAST SLOPE CENTRAL MEETS EAST SLOPE NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
AREA WHERE EAST SLOPE CENTRAL MEETS EAST SLOPE SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
	VENT CAPS IN PLACE & SECURE?	**STANDPIPES IN GOOD CONDITION?**	**BIRDS OR INSECTS IN VENT CAPS?**	
COVER – BAROMETRIC VENTS	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☒ 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)
GWIS INLET PIPES	☐ Yes ☒ No	☐ Yes ☒ No	
STRIP DRAIN INLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
NORTH MANHOLE OUTLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
SOUTH MANHOLE OUTLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
TREATMENT UNIT	☐ Yes ☒ No	☐ Yes ☒ No	
TREATMENT UNIT OUTLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
NORTH MANHOLE	☐ Yes ☒ No	☐ Yes ☒ No	
SOUTH MANHOLE	☐ Yes ☒ No	☐ Yes ☒ No	
TREATMENT UNIT GRATING	NA	☐ Yes ☒ No	

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues. Site staff will replace the treatment system manhole covers this week with a lighter and more accessible cover.

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	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
VEGETATION-LINED PERIMETER CHANNEL – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
VEGETATION-LINED PERIMETER CHANNEL – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
RIPRAP-LINED PERIMETER CHANNEL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
C350-LINED EAST FACE	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
EAST FACE RIPRAP CHANNEL – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
EAST FACE RIPRAP CHANNEL – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ 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	No issues
DIVERSION BERM OUTFALL – SOUTH	↓
CULVERT 1 OUTFALL	
CULVERT 2 OUTFALL	
SOUTHWEST CULVERT OUTFALL	

CULVERTS

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

STRUCTURE	CONDITION
CULVERT 1	No issues
CULVERT 2	↓
SOUTHWEST CULVERT	

MAINTENANCE REQUIRED/PHOTO LOG

No maintenance required

"RUN-ON" EROSION CONTROL

AREA	ADVERSELY AFFECTING PLF?		
RUN-ON INTO PERIMETER CHANNEL – NORTH	☐ Yes	☒ No	COMMENT:
RUN-ON INTO PERIMETER CHANNEL – SOUTH	☐ Yes	☒ No	COMMENT:
NATURAL DRAINAGE FED BY CULVERT 1	☐ Yes	☒ No	COMMENT:
NATURAL DRAINAGE FED BY NORTHEAST PERIMETER CHANNEL	☐ Yes	☒ No	COMMENT:
NATURAL DRAINAGE FED BY RIPRAP	☐ Yes	☒ No	COMMENT:

MAINTENANCE REQUIRED/PHOTO LOG

No issues.

INSTITUTIONAL CONTROLS

ITEM			
EVIDENCE OF EXCAVATION(S) OF COVER AND IMMEDIATE VICINITY OF COVER?	☐ Yes	☒ No	COMMENT:
EVIDENCE OF CONSTRUCTION OF ROADS OR TRAILS ON COVER OR BUILDINGS?	☐ Yes	☒ No	COMMENT:
EVIDENCE OF UNAUTHORIZED ENTRY?	☐ Yes	☒ No	COMMENT:
EVIDENCE OF DRILLING OF WELLS OR USE OF GROUNDWATER?	☐ Yes	☒ No	COMMENT:
DISRUPTION OR DAMAGE OF SEEP TREATMENT SYSTEM?	☐ Yes	☒ No	COMMENT:
DAMAGE OR REMOVAL OF ANY SIGNAGE OR GROUNDWATER MONITORING WELLS?	☐ Yes	☒ No	COMMENT:

OTHER DEFICIENCIES/PHOTO LOG

No issues

ACTION ITEMS

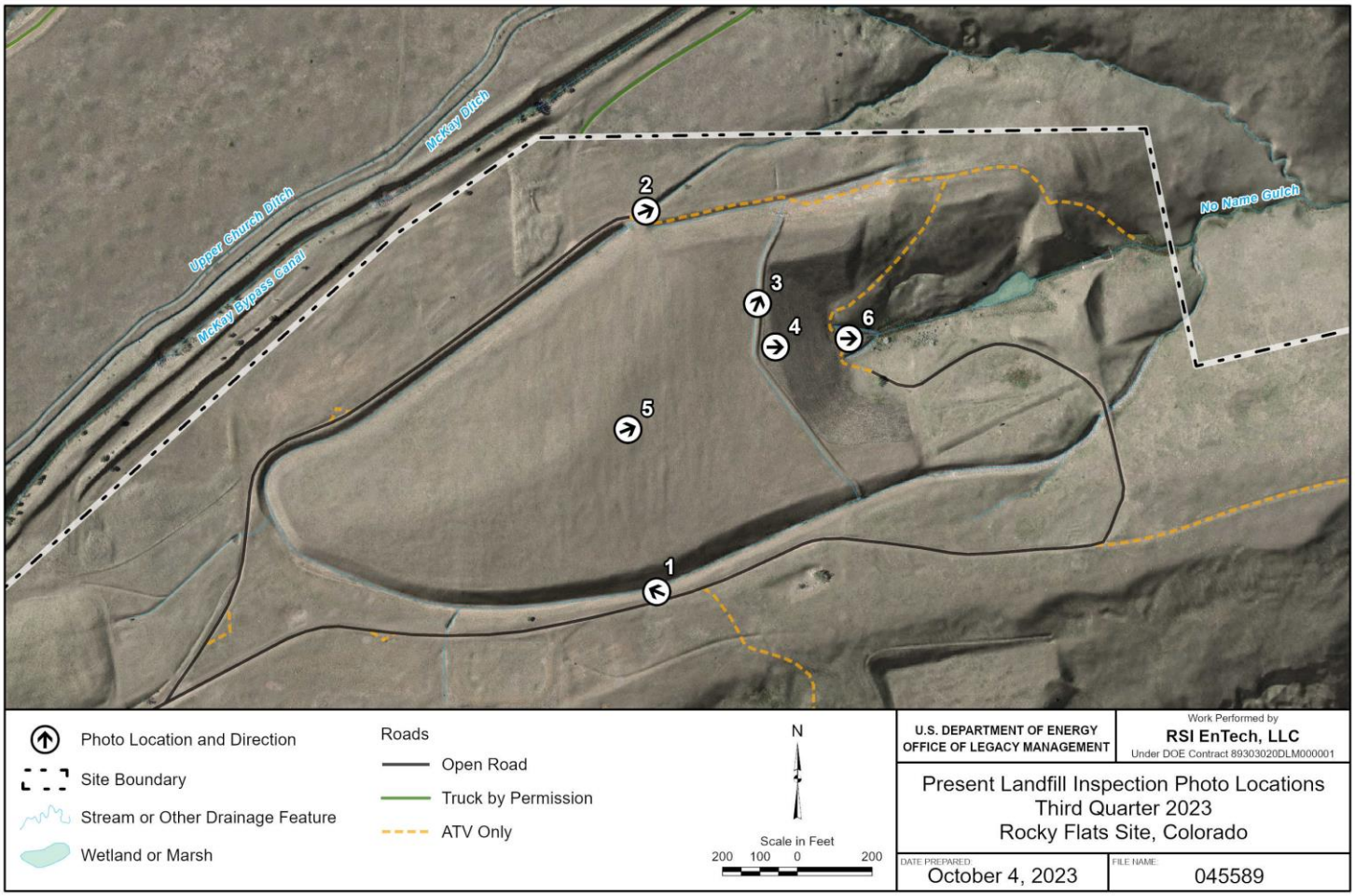
DEFICIENCY	DATE NOTED	ACTION	DATE COMPLETED	COMMENTS
None	8/14/23	N/A	N/A	

INSPECTOR SIGNATURE: [signature] DATE: 8/14/2023

REVIEWER SIGNATURE: APRIL TISCHER (Affiliate) Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.08.16 08:40:22 -06'00' DATE:

3rd Quarter 2023 PLF Inspection photos

(Photos taken 8/14/2023, 8/17/2023)



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

Figure 1. Looking West-Northwest at the south Cover Side Slope, Which Was in Good Condition.

Figure 2. Looking East-Northeast at the Northern Vegetation-Lined Perimeter Channel. This area has been designated as a wetland. All channels and culverts appear to be functioning properly.

Figure 3. Looking North-Northeast at the Stormwater Diversion Berm, Which Was in Good Condition.

Figure 4. Looking East at the Present Landfill East Face Slope and Seep System Riser Pipes, Which Were in Good Condition

Figure 5. Looking East-Northeast at the Top of the Landfill Cover, Which Was in Good Condition. Barometric gas vents for release of methane (left) and settlement survey markers (right) are strategically placed along the landfill's cover. No issues were found with barometric gas vents or settlement survey markers.

Figure 1. Looking East at the Present Landfill Treatment System On 8/17/2023 After New Lids Were Installed, Which Will Be Safer and Easier to Operate. 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. Bio-growth in the north manhole is scheduled to be addressed with the help of a subcontractor.

Appendix B

Analytical Results for Water Samples, Third Quarter 2023

Appendix B
Analytical Results for Water Samples - Third Quarter CY 2023

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	8/1/2023	RFS01-10.2307065-036	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-42-8	Boron	Y	18	ug/L	J B	F	1.5		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7782-49-2	Selenium	Y	5.3	ug/L		F	1		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-22-4	Silver	Y	0.076	ug/L	J B	F	0.045		FQU	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-61-1	Uranium	Y	0.12	ug/L		F	0.03		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70193	WL	8/1/2023	RFS01-10.2307065-036	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	75-35-4	1,1-Dichloroethene	N	1.1	ug/L		D	0.23		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	75-35-4	1,1-Dichloroethene	N	1.1	ug/L		F	0.23		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		FQ	G	STD

Appendix B
Analytical Results for Water Samples - Third Quarter CY 2023

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	8/1/2023	RFS01-10.2307065-037	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-38-2	Arsenic	Y	0.52	ug/L	J	D	0.5		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-41-7	Beryllium	Y	0.3	ug/L	U	D	0.3		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-42-8	Boron	Y	8.2	ug/L	J B	D	1.5		FQU	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-42-8	Boron	Y	7.6	ug/L	J B	F	1.5		FQU	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-47-3	Chromium	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-50-8	Copper	Y	0.71	ug/L	U	D	0.71		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7439-97-6	Mercury	Y	0.061	ug/L	U	D	0.061		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	91-20-3	Naphthalene	N	0.63	ug/L	U	D	0.63		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-02-0	Nickel	Y	0.83	ug/L	U	D	0.83		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-02-0	Nickel	Y	0.87	ug/L	J	F	0.83		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7782-49-2	Selenium	Y	1.1	ug/L	J	D	1		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7782-49-2	Selenium	Y	1.3	ug/L	J	F	1		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-22-4	Silver	Y	0.075	ug/L	J B	D	0.045		FQU	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-22-4	Silver	Y	0.077	ug/L	J B	F	0.045		FQU	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	127-18-4	Tetrachloroethene	N	0.78	ug/L	J	D	0.4		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	127-18-4	Tetrachloroethene	N	0.72	ug/L	J	F	0.4		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		FQ	G	STD

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	8/1/2023	RFS01-10.2307065-037	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	79-01-6	Trichloroethene	N	4.8	ug/L		D	0.3		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	79-01-6	Trichloroethene	N	4.9	ug/L		F	0.3		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-61-1	Uranium	Y	0.033	ug/L	J	D	0.03		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-61-1	Uranium	Y	0.038	ug/L	J	F	0.03		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-021	7440-66-6	Zinc	Y	2	ug/L	U	D	2		FQ	G	STD
70393	WL	8/1/2023	RFS01-10.2307065-037	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	75-35-4	1,1-Dichloroethene	N	0.41	ug/L	J	F	0.23		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-42-8	Boron	Y	27	ug/L	J B	F	1.5		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-50-8	Copper	Y	3.6	ug/L		F	0.71		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7782-49-2	Selenium	Y	1.2	ug/L	J	F	1		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	79-01-6	Trichloroethene	N	1.4	ug/L		F	0.3		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-61-1	Uranium	Y	0.03	ug/L	U	F	0.03		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70693	WL	8/1/2023	RFS01-10.2307065-038	7440-66-6	Zinc	Y	8.1	ug/L	J	F	2		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD

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	8/2/2023	RFS01-10.2307065-039	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-42-8	Boron	Y	41	ug/L	B	F	1.5		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-47-3	Chromium	Y	0.55	ug/L	J	F	0.5		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-02-0	Nickel	Y	1.5	ug/L	J	F	0.83		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7782-49-2	Selenium	Y	4.1	ug/L		F	1		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-61-1	Uranium	Y	35	ug/L		F	0.03		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73005	WL	8/2/2023	RFS01-10.2307065-039	7440-66-6	Zinc	Y	2.4	ug/L	J	F	2		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-42-8	Boron	Y	120	ug/L	B	F	1.5		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD

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	8/2/2023	RFS01-10.2307065-040	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-50-8	Copper	Y	0.72	ug/L	J	F	0.71		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-02-0	Nickel	Y	3.6	ug/L		F	0.83		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-22-4	Silver	Y	0.093	ug/L	J B	F	0.045		FQU	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-61-1	Uranium	Y	20	ug/L		F	0.03		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73105	WL	8/2/2023	RFS01-10.2307065-040	7440-66-6	Zinc	Y	3.2	ug/L	J	F	2		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-38-2	Arsenic	Y	0.73	ug/L	J	F	0.5		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-42-8	Boron	Y	75	ug/L	B	F	1.5		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-50-8	Copper	Y	1.4	ug/L	J	F	0.71		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-02-0	Nickel	Y	2.6	ug/L	J	F	0.83		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7782-49-2	Selenium	Y	240	ug/L		F	1		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-22-4	Silver	Y	0.067	ug/L	J B	F	0.045		FQU	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD

Appendix B
Analytical Results for Water Samples - Third Quarter CY 2023

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	8/2/2023	RFS01-10.2307065-041	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-61-1	Uranium	Y	120	ug/L		F	0.03		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73205	WL	8/2/2023	RFS01-10.2307065-041	7440-66-6	Zinc	Y	3.5	ug/L	J	F	2		FQ	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U N	F	1.3		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	83-32-9	Acenaphthene	N	0.012	ug/L	J	F	0.0042		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	F	3.3		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-42-8	Boron	Y	53	ug/L	B	F	1.5		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	F	0.59		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	F	0.75		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	F	0.45		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	78-59-1	Isophorone	N	2	ug/L	U	F	2		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	91-20-3	Naphthalene	N	0.023	ug/L	U	F	0.023		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-043	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7782-49-2	Selenium	Y	1	ug/L	U	F	1		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		F	G	STD

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	7/31/2023	RFS01-10.2307065-042	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-61-1	Uranium	Y	3.1	ug/L		F	0.03		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		F	G	STD
80005	WL	7/31/2023	RFS01-10.2307065-042	7440-66-6	Zinc	Y	2	ug/L	U	F	2		F	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U N	D	1.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U N	F	1.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	83-32-9	Acenaphthene	N	0.0067	ug/L	J	D	0.0042		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	83-32-9	Acenaphthene	N	0.006	ug/L	J	F	0.0042		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	120-12-7	Anthracene	N	0.031	ug/L	U	D	0.031		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-38-2	Arsenic	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	D	0.025		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	D	0.037		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-41-7	Beryllium	Y	0.3	ug/L	U	D	0.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	D	1.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	D	3.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	F	3.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-42-8	Boron	Y	140	ug/L	B	D	1.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-42-8	Boron	Y	140	ug/L	B	F	1.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		FQ	G	STD

RFLMA Data

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80105	WL	7/31/2023	RFS01-10.2307065-044	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-47-3	Chromium	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	218-01-9	Chrysene	N	0.033	ug/L	U	D	0.033		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-50-8	Copper	Y	0.71	ug/L	U	D	0.71		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	D	0.028		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	D	0.59		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	F	0.59		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	D	0.75		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	D	0.45		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	F	0.45		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	206-44-0	Fluoranthene	N	0.049	ug/L	U	D	0.049		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	86-73-7	Fluorene	N	0.019	ug/L	U	D	0.019		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	67-72-1	Hexachloroethane	N	4.5	ug/L	U	D	4.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	78-59-1	Isophorone	N	2	ug/L	U	D	2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	78-59-1	Isophorone	N	2	ug/L	U	F	2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7439-97-6	Mercury	Y	0.061	ug/L	U	D	0.061		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	91-20-3	Naphthalene	N	0.023	ug/L	U	D	0.023		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	91-20-3	Naphthalene	N	0.023	ug/L	U	F	0.023		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-02-0	Nickel	Y	0.83	ug/L	U	D	0.83		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-018	129-00-0	Pyrene	N	0.045	ug/L	U	D	0.045		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-045	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7782-49-2	Selenium	Y	1	ug/L	U	D	1		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-22-4	Silver	Y	0.12	ug/L	J B	D	0.045		FQU	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-22-4	Silver	Y	0.06	ug/L	J B	F	0.045		FQU	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD

RFLMA Data

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80105	WL	7/31/2023	RFS01-10.2307065-044	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	79-01-6	Trichloroethene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-61-1	Uranium	Y	10	ug/L		D	0.03		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-61-1	Uranium	Y	11	ug/L		F	0.03		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-017	7440-66-6	Zinc	Y	2	ug/L	U	D	2		FQ	G	STD
80105	WL	7/31/2023	RFS01-10.2307065-044	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U N	F	1.3		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	83-32-9	Acenaphthene	N	0.0042	ug/L	U	F	0.0042		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	F	3.3		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-42-8	Boron	Y	51	ug/L	B	F	1.5		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-50-8	Copper	Y	0.93	ug/L	J	F	0.71		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	F	0.59		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	F	0.75		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	F	0.45		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	78-59-1	Isophorone	N	2	ug/L	U	F	2		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		F	G	STD

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80205	WL	7/31/2023	RFS01-10.2307065-046	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	91-20-3	Naphthalene	N	0.023	ug/L	U	F	0.023		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-02-0	Nickel	Y	1.1	ug/L	J	F	0.83		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-047	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7782-49-2	Selenium	Y	1	ug/L	J	F	1		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-22-4	Silver	Y	0.085	ug/L	J B	F	0.045		FU	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-61-1	Uranium	Y	25	ug/L		F	0.03		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		F	G	STD
80205	WL	7/31/2023	RFS01-10.2307065-046	7440-66-6	Zinc	Y	4.5	ug/L	J	F	2		F	G	STD
B210489	WL	7/27/2023	RFS01-10.2307065-063	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	290	mg/L	B	F	4.4		F	G	STD
B210489	WL	7/27/2023	RFS01-10.2307065-063	7440-61-1	Uranium	Y	110	ug/L		F	0.03		F	G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	7/12/2023	RFS01-02.2307050-002	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
GS05	SL	7/26/2023	RFS01-02.2310053-005	7440-38-2	Arsenic	N	0.5	ug/L	U	F	0.5			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-005	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-005	7440-42-8	Boron	N	7.3	ug/L	J	F	1.5			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-004	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-005	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-004	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-004	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-004	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-005	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-004	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD

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GS05	SL	7/26/2023	RFS01-02.2310053-005	7440-61-1	Uranium	N	0.26	ug/L		F	0.03			C	STD
GS05	SL	7/26/2023	RFS01-02.2310053-004	7440-66-6	Zinc	Y	9.5	ug/L	J	F	2			C	STD
GS10	SL	7/5/2023	RFS01-13.2307101-006	14596-10-2	Americium-241	N	0.0141	pCi/L	U	F		0.00886		C	GEN
GS10	SL	7/5/2023	RFS01-13.2307101-006	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	7/5/2023	RFS01-13.2307101-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	7/5/2023	RFS01-13.2307101-006	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	7/5/2023	RFS01-13.2307101-006	PU-239,240	Plutonium-239, 240	N	0.00585	pCi/L	U	F		0.00609		C	GEN
GS10	SL	7/5/2023	RFS01-13.2307101-006	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	7/5/2023	RFS01-13.2307101-006	7440-61-1	Uranium	N	11.2	ug/L		F	0.067			C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	14596-10-2	Americium-241	N	0.00416	pCi/L	U	F		0.00763		C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	PU-239,240	Plutonium-239, 240	N	0.00701	pCi/L	U	F		0.00917		C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	7/25/2023	RFS01-13.2309103-007	7440-61-1	Uranium	N	10.6	ug/L		F	0.067			C	GEN
GS13	SL	7/18/2023	RFS01-04.2307116-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	7/12/2023	RFS01-02.2307050-004	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
GS59	SL	7/26/2023	RFS01-02.2310053-008	7440-38-2	Arsenic	N	1.8	ug/L		F	0.5			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-008	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-008	7440-42-8	Boron	N	26	ug/L		F	1.5			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-007	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-008	7440-47-3	Chromium	N	190	ug/L		F	0.5			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-007	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-007	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-007	7440-02-0	Nickel	Y	1.6	ug/L	J	F	0.83			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-008	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-007	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD

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	7/26/2023	RFS01-02.2310053-008	7440-61-1	Uranium	N	0.93	ug/L		F	0.03			C	STD
GS59	SL	7/26/2023	RFS01-02.2310053-007	7440-66-6	Zinc	Y	2.1	ug/L	J	F	2			C	STD
NNG01	SL	7/12/2023	RFS01-02.2307050-006	7440-42-8	Boron	N	1100	ug/L	B	F	1.5			G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U N	F	1.3		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	83-32-9	Acenaphthene	N	0.0042	ug/L	U	F	0.0042		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	120-12-7	Anthracene	N	0.031	ug/L	U	F	0.031		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	F	3.3		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-42-8	Boron	Y	23	ug/L	J B	F	1.5		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-50-8	Copper	Y	1.5	ug/L	J	F	0.71		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	F	0.59		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	F	0.75		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	F	0.45		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	206-44-0	Fluoranthene	N	0.049	ug/L	U	F	0.049		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	78-59-1	Isophorone	N	2	ug/L	U	F	2		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	91-20-3	Naphthalene	N	0.023	ug/L	U	F	0.023		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-02-0	Nickel	Y	1.3	ug/L	J	F	0.83		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-070	129-00-0	Pyrene	N	0.045	ug/L	U	F	0.045		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-22-4	Silver	Y	0.12	ug/L	J B	F	0.045		FQU	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD

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
P416589	WL	8/1/2023	RFS01-10.2307065-069	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-61-1	Uranium	Y	3	ug/L		F	0.03		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
P416589	WL	8/1/2023	RFS01-10.2307065-069	7440-66-6	Zinc	Y	11	ug/L		F	2		FQ	G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7440-38-2	Arsenic	N	8	ug/L		F	0.5			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	71-43-2	Benzene	N	2.7	ug/L		F	0.31			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7440-42-8	Boron	N	1700	ug/L	B	F	1.5			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	108-90-7	Chlorobenzene	N	0.85	ug/L	J	F	0.42			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7440-47-3	Chromium	N	0.68	ug/L	J	F	0.5			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	91-20-3	Naphthalene	N	25	ug/L		F	0.63			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	7440-02-0	Nickel	Y	5.7	ug/L		F	0.83			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7782-49-2	Selenium	N	1	ug/L	U	F	1			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	1330-20-7	Total Xylenes	N	1.4	ug/L		F	0.33			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-008	7440-61-1	Uranium	N	0.081	ug/L	J	F	0.03			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
PLFSEEPINF	TS	7/12/2023	RFS01-02.2307050-007	7440-66-6	Zinc	Y	48	ug/L		F	2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58			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
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	F	1.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	91-58-7	2-Chloronaphthalene	N	1.3	ug/L	U	D	1.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	83-32-9	Acenaphthene	N	1.2	ug/L		F	0.0042			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	83-32-9	Acenaphthene	N	1.3	ug/L		D	0.0042			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	120-12-7	Anthracene	N	0.25	ug/L		F	0.031			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	120-12-7	Anthracene	N	0.27	ug/L		D	0.031			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7440-38-2	Arsenic	N	5.8	ug/L		F	0.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7440-38-2	Arsenic	N	6.8	ug/L		D	0.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	71-43-2	Benzene	N	0.52	ug/L	J	F	0.31			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	71-43-2	Benzene	N	0.51	ug/L	J	D	0.31			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	F	0.025			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	50-32-8	Benzo(a)pyrene	N	0.025	ug/L	U	D	0.025			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	F	0.037			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	191-24-2	Benzo(g,h,i)Perylene	N	0.037	ug/L	U	D	0.037			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7440-41-7	Beryllium	N	0.3	ug/L	U	D	0.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	F	1.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	108-60-1	Bis(2-chloroisopropyl) ether	N	1.3	ug/L	U	D	1.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	F	3.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	117-81-7	Bis(2-ethylhexyl) phthalate	N	3.3	ug/L	U	D	3.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7440-42-8	Boron	N	1100	ug/L	B	F	1.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7440-42-8	Boron	N	1100	ug/L	B	D	1.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7440-47-3	Chromium	N	0.5	ug/L	U	D	0.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	218-01-9	Chrysene	N	0.033	ug/L	U	F	0.033			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	218-01-9	Chrysene	N	0.033	ug/L	U	D	0.033			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	7440-50-8	Copper	Y	0.71	ug/L	U	D	0.71			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	F	0.028			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	53-70-3	Dibenz(a,h)anthracene	N	0.028	ug/L	U	D	0.028			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	F	0.59			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	84-66-2	Diethyl phthalate	N	0.59	ug/L	U	D	0.59			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	F	0.75			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
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	131-11-3	Dimethyl phthalate	N	0.75	ug/L	U	D	0.75			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	F	0.45			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	84-74-2	Di-n-butyl phthalate	N	0.45	ug/L	U	D	0.45			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	206-44-0	Fluoranthene	N	0.3	ug/L		F	0.049			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	206-44-0	Fluoranthene	N	0.32	ug/L		D	0.049			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	86-73-7	Fluorene	N	0.92	ug/L		F	0.019			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	86-73-7	Fluorene	N	1	ug/L		D	0.019			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	67-72-1	Hexachloroethane	N	4.5	ug/L	U	F	4.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	67-72-1	Hexachloroethane	N	4.5	ug/L	U	D	4.5			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	78-59-1	Isophorone	N	2	ug/L	U	F	2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	78-59-1	Isophorone	N	2	ug/L	U	D	2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7439-97-6	Mercury	N	0.061	ug/L	U	D	0.061			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	91-20-3	Naphthalene	N	1.6	ug/L		F	0.023			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	91-20-3	Naphthalene	N	2.5	ug/L		D	0.023			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	7440-02-0	Nickel	Y	5.1	ug/L		F	0.83			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	7440-02-0	Nickel	Y	4.8	ug/L		D	0.83			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-011	129-00-0	Pyrene	N	0.22	ug/L		F	0.045		U	G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-014	129-00-0	Pyrene	N	0.23	ug/L		D	0.045		U	G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7782-49-2	Selenium	N	1	ug/L	U	F	1			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7782-49-2	Selenium	N	1	ug/L	U	D	1			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	7440-22-4	Silver	Y	0.045	ug/L	U	D	0.045			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	79-01-6	Trichloroethene	N	0.3	ug/L	U	D	0.3			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-010	7440-61-1	Uranium	N	0.6	ug/L		F	0.03			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-013	7440-61-1	Uranium	N	0.61	ug/L		D	0.03			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-009	7440-66-6	Zinc	Y	9.2	ug/L	J	F	2			G	STD
PLFSYSEFF	TS	7/12/2023	RFS01-02.2307050-012	7440-66-6	Zinc	Y	7.5	ug/L	J	D	2			G	STD
SPIN	TS	7/18/2023	RFS01-04.2307116-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	720	mg/L	B	D	4.4			G	STD
SPIN	TS	7/18/2023	RFS01-04.2307116-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	660	mg/L	B	F	4.4			G	STD
SPIN	TS	7/31/2023	RFS01-04.2308117-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	570	mg/L	B	F	4.4			G	STD
SPIN	TS	7/31/2023	RFS01-04.2308117-013	7440-61-1	Uranium	N	72	ug/L		F	0.03			G	STD
SPIN	TS	8/14/2023	RFS01-04.2308118-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	660	mg/L		F	4.4		J	G	STD
SPIN	TS	8/30/2023	RFS01-04.2308119-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	620	mg/L		F	4.4			G	STD
SPIN	TS	8/30/2023	RFS01-04.2308119-014	7440-61-1	Uranium	N	77	ug/L	*	F	0.03			G	STD
SPIN	TS	9/18/2023	RFS01-04.2309120-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	460	mg/L		F	2.2			G	STD
SPIN	TS	9/28/2023	RFS01-04.2309121-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	610	mg/L		F	2.2			G	STD
SPIN	TS	9/28/2023	RFS01-04.2309121-014	7440-61-1	Uranium	N	76	ug/L		F	0.03		J	G	STD

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
SPOUT	TS	7/18/2023	RFS01-04.2307116-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.2	mg/L	B	F	0.044		U	G	STD
SPOUT	TS	7/31/2023	RFS01-04.2308117-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044		J	G	STD
SPOUT	TS	7/31/2023	RFS01-04.2308117-014	7440-61-1	Uranium	N	35	ug/L		F	0.03			G	STD
SPOUT	TS	8/14/2023	RFS01-04.2308118-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.14	mg/L		F	0.044		J	G	STD
SPOUT	TS	8/30/2023	RFS01-04.2308119-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.064	mg/L		F	0.044			G	STD
SPOUT	TS	8/30/2023	RFS01-04.2308119-015	7440-61-1	Uranium	N	58	ug/L	*	F	0.03			G	STD
SPOUT	TS	9/18/2023	RFS01-04.2309120-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.047	mg/L	J	F	0.044			G	STD
SPOUT	TS	9/28/2023	RFS01-04.2309121-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.047	mg/L	J	F	0.044			G	STD
SPOUT	TS	9/28/2023	RFS01-04.2309121-015	7440-61-1	Uranium	N	76	ug/L		F	0.03			G	STD
WALPOC	SL	7/5/2023	RFS01-13.2306099-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017			G	GEN
WOMPOC	SL	7/17/2023	RFS01-13.2311104-001	14596-10-2	Americium-241	N	0.00226	pCi/L	U	D		0.00626		C	GEN
WOMPOC	SL	7/17/2023	RFS01-13.2311104-017	14596-10-2	Americium-241	N	0.00389	pCi/L	U	F		0.0101		C	GEN
WOMPOC	SL	7/17/2023	RFS01-13.2311104-001	PU-239,240	Plutonium-239, 240	N	0.0129	pCi/L	U	D		0.00896		C	GEN
WOMPOC	SL	7/17/2023	RFS01-13.2311104-017	PU-239,240	Plutonium-239, 240	N	0.0082	pCi/L	U	F		0.00764		C	GEN
WOMPOC	SL	7/17/2023	RFS01-13.2311104-001	7440-61-1	Uranium	N	2.76	ug/L		D	0.067			C	GEN
WOMPOC	SL	7/17/2023	RFS01-13.2311104-017	7440-61-1	Uranium	N	2.78	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
F = Field Sample
D = Duplicate

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 compund (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

G	Grab
C	Composite

LAB_CODE

GEN	Gel Laboratories LLC
STD	Eurofins Test America

Appendix B
Analytical Results for Water Samples Third Quarter CY 2023
Information for RFLMA Composite Samples with Unavailable Data

Location	Sample Dates*	Status
WALPOC	7/17/2023 11:56 -->	In Progress
GS10	9/6/2023 9:55 -->	Analysis Pending
GS13	7/26/2023 10:18 -->	In Progress
GS51	5/16/2023 14:20 -->	In Progress
SW027	5/16/2023 14:30 -->	In Progress
SW093	7/17/2023 12:47 -->	In Progress

* 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