LMS/MNT/52392

Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: July 1–September 30, 2025

December 2025

U.S. DEPARTMENT OF ENERGY | Legacy Management

This document has been designed for online viewing.

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Abbreviations

AOA	Area of Attainment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FFA	Federal Facility Agreement
gpad	gallons per acre per day
GRO	Groundwater Remedy Optimization
IC	institutional control
LCRS	Leachate Collection and Removal System
LDS	Leak Detection System
LM	Office of Legacy Management
LTS&M	long-term surveillance and maintenance
LTS&M Plan	Long-Term Surveillance and Maintenance Plan
MMTS	Monticello Mill Tailings Site
MVP	Monticello Vicinity Properties
NPL	National Priorities List
OU	Operable Unit
PRB	permeable reactive barrier
P&T	pump-and-treat
TSF	Temporary Storage Facility
UDEQ	Utah Department of Environmental Quality
UDOT	Utah Department of Transportation
ZVI	zero-valent iron

1.0 Introduction

In compliance with the Federal Facility Agreement (FFA) and its provisions (DOE 1988), the U.S. Department of Energy (DOE) Office of Legacy Management (LM) prepares and provides quarterly reports to the U.S. Environmental Protection Agency (EPA) and the Utah Department of Environmental Quality (UDEQ) summarizing activities conducted under the agreement. This report informs EPA and UDEQ of the status of the Monticello Vicinity Properties (MVP) and the Monticello Mill Tailings Site (MMTS)—collectively referred to as the LM Monticello, Utah, Disposal and Processing Sites—for July 1 through September 30, 2025. Although the MVP were removed from the National Priorities List (NPL) in 2000, they remain regulated under the FFA and are included in this report to document ongoing long-term surveillance and maintenance (LTS&M) activities. The MMTS remains listed on the NPL and is regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as described in Title 42 *United States Code* Section 9601 et seq. (42 USC 9601 et seq.). Quarterly reports are submitted to EPA and UDEQ in February (for October–December), May (for January–March), August (for April–June), and November (for July–September).

LM assesses MVP and MMTS conditions and remedy protectiveness through (1) monthly, quarterly, and annual inspections of site infrastructure and operations as specified in the *Long-Term Surveillance and Maintenance Plan for Monticello NPL Sites* (DOE 2022a), also called the Long-Term Surveillance and Maintenance Plan (LTS&M Plan); (2) semiannual monitoring of groundwater and surface water under the *Record of Decision for the Monticello Mill Tailings (USDOE) Site Operable Unit III, Surface Water and Ground Water, Monticello, Utah* (DOE 2004); and (3) CERCLA Five-Year Review reports.

In accordance with FFA requirements, primary LTS&M activities at the MVP and MMTS are conducted to (1) provide radiological control at properties where residual soil contamination from uranium mill tailings remains in place (supplemental standards properties), (2) operate and maintain the mill tailings repository, (3) ensure that institutional controls (ICs) restricting the use of land and water remain effective, (4) monitor water quality restoration progress, and (5) operate the Operable Unit (OU) III pump-and-treat (P&T) Groundwater Remedy Optimization (GRO) system. This system, implemented in January 2015, focuses on groundwater remediation within a specified region of the alluvial aquifer called the Area of Attainment (AOA).

Annual groundwater reports present comprehensive data evaluation for the groundwater and surface water OU III remedy. LM has utilized the data presented in the most recent annual groundwater report to update the conceptual site model and develop a three-dimensional numerical fate and transport model to assess remedial time frames.

Project milestones and guiding documents are further described in the *Monticello Site Management Plan* (DOE 2003). Section 5.0 of that document is updated annually.

1.1 Quarterly Site Status

In summary, the activities and observations for this quarter consisted of the following:

- Pond 4 follow-on repair, inspection, and liner sampling activities were performed on August 6, 2025, and the GRO system was restarted on August 7, 2025.
- The GRO system operated from August 7 to September 30 this quarter. The system pumped approximately 142,922 gallons of water from the AOA.
- The previous period's FFA quarterly report was submitted to EPA and UDEQ in August 2025.
- Weekly site inspections were performed by site personnel to verify the integrity of the site's systems and monitor activities that might occur in supplemental standards properties (e.g., City of Monticello streets and utility corridors).
- Site personnel performed monthly and quarterly site inspections in accordance with the LTS&M Plan. See Appendix A for monthly and quarterly surveillance checklists.
- Routine surveillance did not identify any anomalous conditions associated with the MVP remedy.
- Routine surveillance did not note any violations of MMTS ICs that restrict land and groundwater use.
- Wildfire Mitigation project Phase II was completed on August 29, 2025. Mitigation project management activities included thinning dense shrubs and rabbitbrush stands adjacent to the repository. Woody vegetation was mowed around the evaporation pond and along the repository perimeter road, after which there was broadcast seeding with low-growing native grasses and herbaceous plants. Additionally, shrub-free firebreak buffer zones were created around infrastructure by manually removing vegetation and installing weed barriers and gravel.

2.0 MVP

LTS&M activities for the MVP consist of providing radiological control at excavations in Monticello site roadway and utility corridors, in Utah Department of Transportation (UDOT) rights-of-way within city limits, and at property MS-00176-VL (a privately owned supplemental standards property). These activities are required in accordance with Section 1.6 of the LTS&M Plan.

Surveillance results for this quarter are as follows:

- No anomalous conditions for the MVP remedy were noted.
- LM representatives continued to coordinate with city and UDOT officials via telecommunications and in-person meetings regarding construction and excavation activities by the city, UDOT, and utility companies in roadway and utility corridors. LM follows LTS&M protocol to provide radiological control in the affected roadways.

- Six excavations occurred this quarter within roadway and utility corridors, as well as UDOT right-of-way areas. Radiological scanning was completed on all excavations, and no contaminated material was identified.
- Surveillance of private property MS-00176-VL identified no excessive erosion or building construction of supplemental standards material during this reporting period.

3.0 MMTS

LTS&M activities for the MMTS consist of (1) maintaining the onsite repository and operating the associated Leachate Collection and Removal System (LCRS) and Leak Detection System (LDS) for the disposal cell and Pond 4, (2) surveillance of properties affected by groundwater-use and land-use ICs on the former Monticello mill (mill site) and peripheral properties, and (3) operation and maintenance of the OU III GRO system. These activities are required in accordance with Section 1.6 of the LTS&M Plan.

3.1 OU I

OU I consists of the properties that contain the mill site and repository. Radioactively contaminated materials were removed from the MVP, the mill site, and peripheral properties (OU II) and encapsulated at the repository as a remedial action completed in 1999. LM owns and manages the repository, and the city owns the former mill site and manages it as a public park.

3.1.1 Repository and Pond 4

Monthly, quarterly, and annual inspections of the repository ensure that remedy controls remain intact and that the waste remains isolated from the environment.

Inspection observations and maintenance activities for the quarter consisted of the following:

- Wildfire Mitigation project Phase II was completed on August 29, 2025, and consisted of the following:
  - Reduction of live shrubs:
    - Shrub thinning activities were completed in the dense shrub areas south and west of the disposal cell. Efforts were focused on reducing overall shrub cover, with priority given to rabbitbrush removal. Understory grasses and soft herbaceous species were subsequently planted to better align vegetation conditions with those present on the disposal cell top.
  - Creation of firebreak buffer zones around infrastructure:
    - Fifteen-foot-diameter shrub-free buffer zones were established around infrastructure outside the lysimeter perimeter, including the meteorological stations, lysimeter equipment, and transmission line vaults. Vegetation was manually cleared using hand tools, after which an 80-mil high-density polyethylene weed barrier was installed and covered with gravel.

— Mowing woody vegetation and seeding:

  - Woody vegetation between the evaporation pond fence and the pond liner was mowed and seeded with low-growing native grasses and soft herbaceous species. Shrubs within a 15-foot-wide area outside the cell boundary road were also mowed and broadcast seeded.

- No area of the repository cover showed settling, slumping, fracturing, seepage, ponding, or significant erosion.
- As mentioned in previous FFA quarterly reports, an anomalous condition was observed at Pond 4, the engineered solar evaporation pond. During the 2024 Annual Inspection on September 26, 2024, a tear was discovered in the liner above the water level. Since that inspection, LM, with a subcontractor, inspected and repaired additional areas above and below the water level on two separate occasions. The first repairs were completed on April 30, 2025, and follow-on repairs were performed on August 6, 2025. A final inspection was conducted, and liner sampling activities were performed to assess the overall condition and longevity of the liner. The GRO system was restarted on August 7, 2025, and has continued to function properly.
- The disposal cell LCRS and LDS were operated in accordance with the requirements specified in the LTS&M Plan. Findings for the disposal cell LCRS and LDS this quarter include the following:

  — Leachate production from the disposal cell was approximately 121 gallons per week combined for sumps LCRS 1 and LCRS 2. There is no action level for the disposal cell LCRS. See Appendix B for a graphical depiction of leachate production history.

- The disposal cell LDS continues to be dry; therefore, the disposal cell LDS action-level leakage rate was not exceeded.
- Pond 4 LCRS and LDS action levels, approved by EPA and UDEQ, were formally developed in the *Repository and Pond 4 Groundwater Contingency Plan-Final* (DOE 1998) and are also found in Appendix D, Section 5.0, of the LTS&M Plan. The action-level leakage rate established for the Pond 4 LCRS is 851 gallons per acre per day (gpad) (2000 gallons per day), and the action leakage rate for the LDS is 20 gpad (47 gallons per day), which is averaged over a 7-day period. These action leakage rates are based on the area of the floor of Pond 4, which is 2.35 acres. Currently, the LCRS and LDS monitoring and pumping systems are functioning as designed to recirculate water back into Pond 4. Findings for the Pond 4 LCRS and LDS for this quarter are as follows:

  — Water collection at the Pond 4 LDS decreased during the reporting period and remained below the action level. The action level for the LCRS of 2000 gallons per day was not exceeded during this reporting period.

3.1.2 Temporary Storage Facility (TSF)

Routine surveillance of the TSF ensures that the maintenance and radiological controls that govern the access to and placement, storage, and transfer of contaminated material in the TSF are current and effective. Surveillance during the July and September inspections revealed that:

- The TSF cover, fencing, radiological controls, and signs have been maintained in accordance with the LTS&M Plan, and the TSF has been inspected and verified as being ready to receive contaminated materials.

LM is required to initiate the transfer of TSF materials for permanent disposal at the Grand Junction, Colorado, Disposal Site when the contents reach a volume of approximately 75 cubic yards. Recent TSF activity consists of the following:

- Approximately 6.5 cubic yards of soil excavated from the city streets projects is currently stored in the TSF. No additional excavated soil was added to the TSF during this reporting period.

3.1.3 Mill Site

LM conducts surveillance of the mill site (properties MP-00181-VL and MS-00893-OT) to ensure compliance with ICs implemented to preserve the OU I remedy for soil and groundwater. ICs applicable to the mill site include prohibitions on installing domestic-use wells in the alluvial aquifer, using the property for residential purposes, constructing habitable structures, and camping overnight, as well as the preservation of the property for day use as a public park.

Surveillance results for this quarter revealed:

- No nonconformance with water-use and land-use restrictions.

3.2 OU II

OU II consists of private and city-owned properties peripheral to the mill site. LM conducts surveillance of OU II properties to verify compliance with ICs implemented to preserve the OU II remedy for soil and groundwater.

Surveillance results for this quarter are summarized below for the different components of OU II.

- **Montezuma Creek Restrictive Easement Area (supplemental standards properties, both city-owned and privately owned):** No evidence of nonconformance with land-use restrictions (e.g., prohibitions on soil removal and construction of habitable structures in supplemental standards properties) was observed.
- **Groundwater-Use Restrictions:** These were applied to several OU II properties under the 2000 quitclaim deed by which DOE transferred selected properties to the city. No evidence of nonconformance with these restrictions (e.g., prohibition on installing domestic-use wells in the alluvial aquifer) was observed.
- **Property MP-00211-VL (city-owned):** No evidence of nonconformance with the land-use restriction on building construction was observed.

- **Pinyon-Juniper Supplemental Standards Properties (city-owned):** No evidence of nonconformance with land-use and groundwater-use restrictions was observed.
- **Excessive Erosion:** No storm events resulted in more than 2.8 inches of precipitation in 24 hours, which would require surveillance of supplemental standards cleanup properties for excessive erosion.

3.3 OU III

OU III consists of groundwater and surface water contamination resulting from operation of the mill site. Routine monitoring of OU III (water quality and water level) is normally performed semiannually in April (spring) and October (fall).

The contaminated groundwater is within the alluvial aquifer beneath the valley of Montezuma Creek, some sections of which are contaminated by the influent of contaminated groundwater. A portion of the aquifer is subject to ICs restricting use. Montezuma Creek is used for limited irrigation and livestock watering. There are currently no ICs in place to prevent surface water use; however, LM is actively developing ICs to prohibit its domestic use.

LM mailed certified letters on September 26, 2024, notifying potentially impacted property owners of existing ICs, associated restrictions, the intent to develop surface water ICs, and other conditions applicable to privately owned parcels. The notification addressed EPA's request to evaluate the use of Montezuma Creek surface water and assess the potential need for additional protections for domestic use of surface water in the area, ensuring the long-term protection of human health and the environment.

The current groundwater remedy includes (1) monitored natural attenuation with ICs and (2) P&T remediation by evaporation that was implemented as the GRO system in January 2015. Operation and performance of the groundwater remedy are reported annually. Previous remediation efforts have included (1) in situ treatment by zero-valent iron (ZVI) within a permeable reactive barrier (PRB) and (2) P&T remediation that used ex situ ZVI treatment. The ex situ ZVI treatment system was deactivated in December 2014 and replaced by the GRO system, which is described in greater detail in Section 3.3.2. The PRB remains a component of the GRO system as a groundwater flow barrier.

3.3.1 Groundwater Restricted Area

During spring and fall, LM conducts surveillance of properties where groundwater contamination is present to ensure compliance with the groundwater-use restriction (i.e., no installation of domestic-use wells in the alluvial aquifer). The affected OU III properties constitute the Monticello Groundwater Restricted Area as defined and administered by the State of Utah Division of Water Rights. Surveillance has found:

- No evidence of nonconformance with the groundwater-use restriction since its implementation in May 1999.

3.3.2 OU III GRO System

The GRO system includes eight vertical extraction wells strategically placed in the AOA to extract contaminated groundwater and an associated monitoring system. The water from the extraction wells is transmitted in buried pipelines to an aboveground holding tank in the Groundwater Transfer Building; from there, it is pumped through a buried water transmission line for about 1 mile to Pond 4 for evaporation.

The associated monitoring system consists of 22 wells installed in the AOA. Sixteen of the 22 wells were installed south of Montezuma Creek in 2014, and six wells were installed north of Montezuma Creek in 2017. These 22 monitoring wells are sampled recurrently following the extraction of approximately 1,000,000 gallons of water from the GRO system as stated in Section 1.5 of the *Remedial Action Completion Report for Operable Unit III Groundwater Contingency Remedy Optimization System, Monticello Mill Tailings Site, Monticello, Utah* (DOE 2016). A sampling event of 1,000,000 gallons was performed on October 15, 2024.

The GRO system was restarted on August 7, 2025, and has operated properly throughout the reporting period. Due to the system being offline for several months, the 1,000,000-gallon sampling event was delayed and is scheduled to occur during the next reporting period.

3.3.2.1 GRO System Quarterly Performance Summary

The GRO system performance for the quarter is summarized here.

- The GRO system remained inactive throughout July to allow access for repairs to the damaged Pond 4 liner. The system was restarted on August 7, 2025, and remained operational for the duration of the reporting period.
- During the quarter, the volume of water stored in Pond 4 decreased by approximately 1,130,000 gallons due to evaporation. The GRO system typically operates by balancing the extraction rate and the Pond 4 evaporation rate while maintaining the Pond 4 storage volume between 5,000,000 and 8,000,000 gallons (the maximum storage volume of Pond 4 is approximately 15,600,000 gallons). Because of liner repairs, pond volumes have been depleted to allow access to portions of the damaged liner.
- Water-level monitoring during the quarter consisted of:
  - Continuous water-level monitoring in AOA extraction and monitoring wells using pressure transducers and dataloggers (programmed to record at 5-minute intervals) connected to the LM System Operation and Analysis at Remote Sites (SOARS) system.
- Cumulatively, the system has removed 35,092,079 gallons of contaminated groundwater from the aquifer since system startup in January 2015 (Table 1).
- Assuming a minimum AOA uranium plume pore volume of 2,400,000 gallons and a maximum pore volume of 3,300,000 gallons, the GRO system has removed between 10.6 and 14.6 pore volumes since initial system startup.
- From January 2015 through October 15, 2024, the GRO system removed approximately 165 pounds of uranium from the AOA aquifer (Table 2). Estimates of the cumulative uranium mass removed are updated only at sampling events.

Table 1. GRO System Treatment: Monthly Volumes and Rates for This Quarter and Cumulative Volumes Since January 2015

Calendar Month	Approximate Volume Pumped (millions of gallons)	Effective Pumping Rate (gpm)	Approximate Cumulative Volume (millions of gallons)[a]
July 2025	0.00	0.00	34.9
August 2025	0.09	1.95	35.0
September 2025	0.06	1.29	35.1

Note:
[a] Cumulative volume is based on the volume of groundwater extracted by the GRO system since system startup in January 2015.

Abbreviation:
gpm = gallons per minute

Table 2. Uranium Mass Removal from Groundwater in the AOA

Tank Effluent Sample Date[a]	Effluent Tank Uranium Concentration (µg/L)	Volume Removed Between Tank Samples (millions of gallons)	Uranium Removed (pounds)[b]	Cumulative Mass of Uranium Removed (pounds)[c]
July 1, 2024	304	1.03	2.8	162
October 15, 2024	326	1.00	2.6	165

Notes:
[a] Sampling occurs following the extraction of approximately 1,000,000 gallons.
[b] Uranium removed since the last sampling event. The estimate is based on the median concentration between sampling dates.
[c] Since GRO system startup in January 2015. Estimates of cumulative mass removed are updated every sampling event.

Abbreviation:
µg/L = micrograms per liter

Monitoring and reporting guidelines for the GRO system are described in the *Final Groundwater Contingency Remedy Optimization Remedial Design/Remedial Action Work Plan for the Monticello Mill Tailings Site Operable Unit III, Monticello, Utah* (DOE 2014). Evaluation of water quality trends and whether remediation goals are being met, in the AOA and sitewide, is beyond the scope of this FFA quarterly report but is provided in annual groundwater reports submitted to EPA and UDEQ.

3.3.3 OU III Closure Strategy

Regarding the OU III closure strategy, LM submitted the *Draft Feasibility Study for the Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah* (DOE 2024a) to EPA and UDEQ on August 7, 2024. EPA and UDEQ provided comments to LM on the draft Feasibility Study on January 21, 2025. LM submitted responses to regulator comments on September 5, 2025. As a result of multiple meetings among LM, EPA, and UDEQ, several scenarios are being evaluated to develop a long-term closure strategy for OU III.

4.0 Schedule of Activities and Deliverables

Table 3 summarizes the completion dates of recently completed and near-term planned activities and deliverables for the Monticello NPL sites.

Table 3. Monticello Sites' Recent and Near-Term Activities and Deliverables

Activity or Deliverable	Schedule
Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: April 1–June 30, 2025 (DOE 2025c)	Submitted to regulators on August 28, 2025; DOE received approval from both EPA and UDEQ on September 17, 2025.
Monticello Site Management Plan, Section 5.0, "Project Schedules and Milestones (FY 2025–FY 2027)" (DOE 2024b)	Submitted to regulators on August 26, 2025; DOE received approval from EPA on September 3, 2025, and from UDEQ on September 4, 2025.
DOE to perform annual site inspection for the MMTS and MVP	Completed on September 9–10, 2025.
DOE to conduct fall semiannual groundwater and surface water sampling activities	Completed on October 6–9, 2025.
DOE to submit *Groundwater Transmission Line Leak Report for the Monticello, Utah, Disposal and Processing Sites* (DOE 2025a)	Submitted to regulators on May 21, 2025; DOE received approval from UDEQ on June 17, 2025, and from EPA on June 23, 2025.
CERCLA Sixth Five-Year Review reports for the MVP and MMTS: • *Sixth Five-Year Review Report for Monticello Mill Tailings (USDOE) Site, San Juan County, Monticello, Utah* (DOE 2022b) • *Sixth Five-Year Review Report for Monticello Radioactively Contaminated Properties Superfund Site, San Juan County, Monticello, Utah* (DOE 2022c)	Submitted to EPA and UDEQ on May 2, 2022.
Five-Year Review addendum activities include the following:	**Submittal and proposed dates for Five-Year Review addendum documents:**
Submittal and resolution of errata sheets	Errata sheets were resolved and submitted on April 6, 2023.
DOE to confirm human health risk evaluation using the EPA Preliminary Remediation Goals calculator	Submitted on July 29, 2022.
LTS&M Plan clarification letter regarding Table 7	Letter submitted on March 2, 2023.
DOE to create and send an informational letter to landowners with deed restrictions that clearly explains the restrictions on their property	Letters were sent to landowners on December 19, 2022.
DOE to update the following documents, in accordance with the *Uniform Federal Policy for Quality Assurance Project Plans* (EPA et al. 2005), to ensure consistency regarding the monitoring well network: • Program Directive 2021-10-MNT • LTS&M Plan (DOE 2022a) • *Quality Assurance Project Plan, Monticello, Utah, Disposal and Processing Sites* (DOE 2023) (QAPP) • *Soil Sampling and Analysis Plan for Groundwater Transmission Line Leak, Monticello, Utah, Disposal and Processing Sites* (DOE 2024c)	Update was submitted on April 5, 2023.

Table 3. Monticello Sites' Recent and Near-Term Activities and Deliverables (continued)

Activity or Deliverable	Schedule
Five-Year Review addendum activities include the following (*continued*):	**Submittal and proposed dates for Five-Year Review addendum documents (*continued*):**
DOE to evaluate ecological risk to aquatic organisms and terrestrial wildlife using current Utah water quality standards	Ecological Risk Evaluation response to EPA and UDEQ comments was submitted to EPA and UDEQ on December 31, 2023. DOE received approval from EPA and UDEQ via email on February 1, 2024, requesting inclusion in the Feasibility Study.
DOE to evaluate risk to human health and the environment using current Utah water quality standards	Submitted on December 31, 2023.
DOE to complete a Feasibility Study to evaluate the following: • IC options to prevent human consumption of water from Montezuma Creek as a domestic drinking water source against the nine criteria of the National Contingency Plan • Remedial alternatives for achieving the water quality restoration Remedial Action Objectives	Draft Feasibility Study (DOE 2024a) was submitted on August 7, 2024. DOE submitted responses to regulator comments on September 5, 2025.
DOE to complete a vulnerability and resilience assessment for Monticello sites, provide the assessment to EPA and UDEQ, and schedule a meeting to discuss findings	DOE's assessments, completed in 2019 and 2022, along with the Wildfire Mitigation project, satisfy the requirements of this deliverable, as documented in an EPA email on March 3, 2025.
DOE to complete notification to potentially affected property owners regarding existing ICs, associated restrictions, the intent to establish surface water ICs, and other conditions applicable for privately owned parcels	DOE mailed certified notification letters on September 26, 2024.
DOE received the addendum to the Monticello mill tailings Five-Year Review report (DOE 2022b) after DOE provided responses to the addendum received on December 17, 2024	DOE received addendum document from regulators on July 2, 2025.
DOE to revise the QAPP (DOE 2023)	DOE submitted the draft QAPP to the regulators on August 12, 2025. EPA concurrence was received on September 17, 2025, and the final QAPP was submitted on October 21, 2025.
Near-Term Activities and Deliverables	**Schedule**
DOE to submit a letter to the State of Utah Division of Water Rights (UDWR) requesting inclusion of Montezuma Creek surface water in the area of concern program	Provide a draft letter to regulators for review and approval in October 2025, before submission to UDWR.
DOE to issue a follow-up letter to affected property owners to discuss amending existing ICs to ensure long-term protection of human health and the environment, following the notification letter mailed on September 26, 2024	Provide a draft example letter to regulators for review and approval in October 2025, before distribution to affected property owners.
DOE to perform a 1,000,000-gallon sampling event (AOA wells and Pond 4)	Sampling event is scheduled for December 2025.
DOE to complete the *Monticello Mill Tailings Site Operable Unit III Annual Groundwater Report, May 2024–April 2025* (DOE 2025b)	Report will be submitted to regulators for review by October 31, 2025.

5.0 References

42 USC 9601 et seq. "Comprehensive Environmental Response, Compensation, and Liability Act" as amended, *United States Code.*

DOE (U.S. Department of Energy), 1988. *Federal Facility Agreement Pursuant to CERCLA Section 120, Between the U.S. Environmental Protection Agency Region VIII, the State of Utah Department of Health, and the U.S. Department of Energy*, December.

DOE (U.S. Department of Energy), 1998. *Repository and Pond 4 Groundwater Contingency Plan-Final*, MAC-MRAP 3.5.8, February.

DOE (U.S. Department of Energy), 2003. *Monticello Site Management Plan*, GJO-2003-493-TAC, E0399101, October.

DOE (U.S. Department of Energy), 2004. *Record of Decision for the Monticello Mill Tailings (USDOE) Site Operable Unit III, Surface Water and Ground Water, Monticello, Utah*, DOE-LM/GJ629-2004, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2014. *Final Groundwater Contingency Remedy Optimization Remedial Design/Remedial Action Work Plan for the Monticello Mill Tailings Site Operable Unit III, Monticello, Utah*, LMS/MNT/S10629, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2016. *Remedial Action Completion Report for Operable Unit III Groundwater Contingency Remedy Optimization System, Monticello Mill Tailings Site, Monticello, Utah*, LMS/MNT/S13373, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2022a. *Long-Term Surveillance and Maintenance Plan for Monticello NPL Sites*, LMS/MNT/S00387-0.1, Office of Legacy Management, December.

DOE (U.S. Department of Energy), 2022b. *Sixth Five-Year Review Report for Monticello Mill Tailings (USDOE) Site, San Juan County, Monticello, Utah*, LMS/MNT/S35986, Office of Legacy Management, July.

DOE (U.S. Department of Energy), 2022c. *Sixth Five-Year Review Report for Monticello Radioactively Contaminated Properties Superfund Site, San Juan County, Monticello, Utah*, LMS/MNT/S36208, Office of Legacy Management, June.

DOE (U.S. Department of Energy), 2023. *Quality Assurance Project Plan, Monticello, Utah, Disposal and Processing Sites*, LM-Plan-3-21-1.0-1.0, LMS/MNT/S27252-1.0, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2024a. *Draft Feasibility Study for the Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah*, LMS/MNT/48273, Office of Legacy Management, July.

Appendix A

Monthly and Quarterly Surveillance Checklists

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4: 4.67 ft

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	
Roads	☒	☐	
Signs	☒	☐	
Visible piping	☒	☐	
Visible liner and anchors	☐	☒	Liner tear now visible, area prepped for work by Simbeck & Assoc. planned for 08/06/25
Rescue equipment	☒	☐	New life vests put in cabinets at Pond.
Evidence of erosion of:			
Top of Pond 4 berm	☒	☐	
Pond 4 sideslopes	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Seepage from Pond 4	☒	☐	
Overtopping of Pond 4	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by wildlife	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional comments: Sampling Hose still stuck in Pond. GRO system still turned off until liner repairs are complete.

Monticello LM Representative: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.07.31 15:48:41 -06'00' Date: 07/31/2025

Monticello City and Repository Site Routine Inspection, Surveillance, and Monitoring Procedures, Monticello, Utah (LMS/MNT/S10320)

Monthly Pond 4 Surveillance Checklist

Repository Area Surveillance Checklist

☒ Monthly surveillance ☐ Quarterly surveillance: ☐ February ☐ May ☐ August ☐ November

☐ Storm event triggered surveillance due to _____ inches of rainfall over the past 24 hours.

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	
Roads[a]	☒	☐	
Signs	☒	☐	
Site monuments	☒	☐	
Drainage ditches[a]	☒	☐	
Manholes	☒	☐	
Vegetation	☒	☐	Rabbit brush has been flagged on West and South sides of the Repository area of the Site, for upcoming Fire Mitigation Project.
Evidence of erosion of:			
Top of disposal cell[a]	☒	☐	
Disposal cell sideslopes[a]	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by livestock	☒	☐	
Burrowing animal damage	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	Picked up lots of trash along West boundary fencline along Highway 191.

Additional Quarterly Surveillance Requirements

Note: *All transects, shown in Figure 3-1, must be walked during this inspection.*

Condition of:			
Settlement plate structures	☐	☐	
Manholes[b]	☐	☐	
Sediment ponds	☐	☐	
Evidence of:	☐	☐	
Structural instability	☐	☐	

Additional comments:

Signature: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.07.31 15:40:46 -06'00' Date: 7/31/2025

Monticello LM Representative

[a]Inspections required following a significant storm event
[b]Open to inspect quarterly

Repository Area Surveillance Checklist

MONTHLY CLIMATOLOGICAL SUMMARY for JUL. 2025

NAME: August 2025 CITY: STATE:
ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	71.2	84.3	4:30p	61.8	6:00a	0.3	6.4	0.00	8.4	24.0	12:00p	SE
2	69.1	84.8	4:00p	58.6	4:30a	1.5	5.6	0.20	5.4	32.0	3:00p	SE
3	63.0	71.7	3:00p	56.1	11:30p	3.0	1.0	0.06	5.0	23.0	3:30p	SSW
4	67.8	81.0	5:00p	53.0	6:30a	3.1	5.9	0.00	6.4	28.0	2:30p	S
5	72.6	84.3	5:30p	55.3	6:30a	1.1	8.7	0.00	7.3	24.0	11:30a	SW
6	75.8	87.2	4:00p	60.8	3:30a	0.3	11.1	0.00	5.7	28.0	1:00p	WSW
7	75.0	86.7	2:00p	60.5	3:00a	0.2	10.1	0.00	6.5	34.0	10:30a	WSW
8	76.1	90.5	6:00p	58.0	6:00a	0.9	12.0	0.00	5.3	20.0	2:00p	WSW
9	81.5	90.3	2:00p	66.3	3:00a	0.0	16.5	0.00	7.3	21.0	6:30p	WSW
10	80.5	89.1	3:00p	70.8	6:30a	0.0	15.5	0.00	8.7	31.0	3:00p	WNW
11	76.9	88.2	3:30p	64.3	6:30a	0.0	11.9	0.00	9.8	27.0	4:00p	NW
12	77.2	88.6	3:00p	65.3	4:00a	0.0	12.2	0.00	9.3	28.0	3:30p	NW
13	79.4	91.5	4:30p	64.9	6:30a	0.0	14.4	0.00	6.8	23.0	4:30p	W
14	78.2	88.9	5:00p	68.8	5:30a	0.0	13.2	0.00	7.7	31.0	3:00p	S
15	74.0	86.8	1:30p	62.9	7:00a	0.0	9.0	0.01	9.0	54.0	5:30p	SSE
16	70.2	84.1	2:00p	61.7	6:00a	0.2	5.5	0.02	8.2	37.0	5:30p	WNW
17	70.9	80.2	6:00p	63.5	6:30a	0.1	6.0	0.00	5.0	16.0	3:30a	WSW
18	72.6	83.9	6:30p	59.9	4:30a	0.4	8.1	0.00	7.7	26.0	2:00p	SSE
19	74.6	86.2	5:00p	62.7	7:00a	0.0	9.6	0.00	5.8	27.0	5:00p	WNW
20	73.6	84.0	5:00p	59.1	7:00a	0.6	9.3	0.00	5.0	19.0	7:30p	SSW
21	73.7	82.1	5:00p	65.9	7:00a	0.0	8.7	0.00	6.4	37.0	3:00p	S
22	71.2	77.8	5:00p	64.5	5:30a	0.0	6.2	0.00	4.4	20.0	3:00a	SSE
23	70.7	82.5	5:30p	55.6	7:00a	1.0	6.7	0.00	5.2	25.0	6:30p	SW
24	71.6	84.1	4:30p	56.6	7:00a	1.0	7.6	0.00	5.9	24.0	1:00p	WSW
25	71.0	83.7	5:30p	55.5	5:30a	1.7	7.7	0.00	6.9	28.0	2:30p	S
26	71.6	82.8	5:30p	60.0	1:30a	0.7	7.3	0.00	7.4	29.0	12:30p	S
27	71.4	84.6	3:30p	57.1	6:30a	1.4	7.8	0.00	6.8	36.0	3:30p	WSW
28	76.1	89.2	4:00p	60.4	6:30a	0.2	11.3	0.00	7.0	25.0	2:30p	SSE
29	74.6	88.3	3:00p	60.2	6:30a	0.1	9.6	0.02	7.3	29.0	3:30p	SSE
30	72.7	86.8	2:30p	59.1	5:00a	0.6	8.3	0.00	6.9	23.0	10:00a	SSE
31	72.9	86.0	4:30p	62.1	6:30a	0.4	8.3	0.00	8.9	26.0	8:30a	S
	73.5	91.5	13	53.0	4	18.8	281.5	0.31	6.9	54.0	15	S

Max >= 90.0: 3
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.20 ON 07/02/25
Days of Rain: 4 (>.01 in) 1 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4: 4.21 ft

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	
Roads	☒	☐	
Signs	☒	☐	
Visible piping	☒	☐	
Visible liner and anchors	☒	☐	Simbeck & Assoc. completed liner repairs on 08/06/25.
Rescue equipment	☒	☐	
Evidence of erosion of:			
Top of Pond 4 berm	☒	☐	
Pond 4 sideslopes	☒	☐	Sideslopes mowed by Crowley Const. 08/20/25.
Ditches	☒	☐	Ditches mowed by Crowley Const. 08/20/25.
Surrounding area	☒	☐	Surrounding area mowed by Crowley Const. 08/20/25.
Seepage from Pond 4	☒	☐	
Overtopping of Pond 4	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by wildlife	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional comments: Sampling Hose still stuck in Pond. GRO system restored to operation on 08/07/25 after liner repairs were completed.

Monticello LM Representative: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.08.29 06:55:17 -06'00' Date: 8/29/2025

Repository Area Surveillance Checklist

☒ Monthly surveillance ☐ Quarterly surveillance: ☐ February ☐ May ☒ August ☐ November

☐ Storm event triggered surveillance due to _____ inches of rainfall over the past 24 hours.

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	
Roads[a]	☒	☐	Road sides were mowed 15' out (not onto the disposal cell, but away from) for Wildfire Mitigation project.
Signs	☒	☐	
Site monuments	☒	☐	
Drainage ditches[a]	☒	☐	
Manholes	☒	☐	
Vegetation	☒	☐	Brush has been removed on West and South sides of the Repository area of the Site, for Wildfire Mitigation Project.
Evidence of erosion of:			
Top of disposal cell[a]	☒	☐	
Disposal cell sideslopes[a]	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by livestock	☒	☐	
Burrowing animal damage	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional Quarterly Surveillance Requirements

Note: *All transects, shown in Figure 3-1, must be walked during this inspection.*

Condition of:			
Settlement plate structures	☒	☐	
Manholes[b]	☒	☐	
Sediment ponds	☒	☐	
Evidence of:	☐	☐	
Structural instability	☒	☐	

Additional comments: LMS Site Maintenance Crew mowed some site two-track trails as well as around the MET station and the South Vault. Crowley Construction then placed weed barrier and gravel around the South Vault and MET Station.

Signature: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.08.29 07:41:08 -06'00' Date: 8/29/2025

Monticello LM Representative

[a]Inspections required following a significant storm event

Repository Area Surveillance Checklist

[b]Open to inspect quarterly

MONTHLY CLIMATOLOGICAL SUMMARY for AUG. 2025

NAME: Aug25 CITY: STATE:
ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	72.8	85.3	4:30p	62.3	3:00a	0.2	8.0	0.01	8.3	43.0	8:00p	S
2	74.5	86.5	3:30p	63.6	7:00a	0.1	9.6	0.00	8.5	31.0	3:30p	SSW
3	75.6	88.0	5:00p	61.1	5:00a	0.3	10.9	0.00	6.2	19.0	12:30a	WSW
4	73.7	86.7	5:30p	60.2	6:30a	0.4	9.1	0.00	7.1	28.0	3:30p	SSW
5	74.3	87.2	4:30p	59.1	7:00a	0.4	9.7	0.00	6.2	29.0	5:30p	SW
6	77.3	90.1	4:30p	62.5	7:00a	0.1	12.4	0.00	7.0	42.0	3:00p	SW
7	77.3	89.5	3:00p	62.9	6:00a	0.1	12.4	0.00	8.0	29.0	6:00p	SW
8	79.6	88.5	5:30p	64.3	6:30a	0.0	14.6	0.00	10.4	36.0	2:00p	SW
9	76.4	88.8	3:30p	62.0	6:00a	0.2	11.6	0.00	7.3	27.0	12:00p	W
10	73.0	82.8	3:00p	62.2	12:00m	0.2	8.2	0.00	9.7	26.0	4:30p	NW
11	71.9	83.7	4:00p	58.3	5:30a	1.0	7.9	0.00	7.7	25.0	4:00p	NNW
12	73.4	86.2	5:30p	59.4	7:00a	0.4	8.8	0.00	5.5	16.0	12:30p	W
13	74.8	89.3	5:00p	57.0	5:00a	1.0	10.8	0.00	7.7	25.0	10:30a	SSE
14	74.1	87.7	2:30p	61.5	5:00a	0.1	9.2	0.00	7.0	33.0	3:00p	SE
15	68.2	77.1	1:00p	56.1	11:30p	0.9	4.2	0.00	3.9	17.0	3:00p	SW
16	65.9	79.3	6:00p	53.1	4:30a	3.5	4.3	0.00	4.9	21.0	12:30p	S
17	71.0	84.5	5:00p	55.2	6:00a	1.7	7.7	0.00	6.2	35.0	3:30p	WSW
18	74.2	88.2	3:00p	58.0	6:30a	0.8	10.0	0.00	4.4	35.0	3:00p	WSW
19	76.1	90.2	5:30p	58.6	7:00a	0.3	11.5	0.00	5.8	21.0	2:00p	WSW
20	75.7	88.3	6:00p	60.7	3:00a	0.1	10.8	0.00	7.3	26.0	3:30p	SSE
21	78.1	89.7	2:00p	63.3	5:30a	0.1	13.2	0.00	7.1	24.0	7:30p	WNW
22	76.7	88.4	5:00p	65.1	7:30a	0.0	11.7	0.02	6.0	28.0	1:30p	SSE
23	72.7	84.0	4:30p	63.2	6:30a	0.1	7.8	0.04	5.1	25.0	9:00p	S
24	68.0	78.9	5:00p	60.1	6:00a	0.7	3.7	0.01	5.5	19.0	1:30a	S
25	69.1	77.7	12:00p	61.5	3:00a	0.4	4.5	0.00	4.9	17.0	9:30p	S
26	62.5	74.4	4:00p	55.7	12:00m	4.2	1.7	0.56	6.0	25.0	6:00p	SSE
27	61.6	72.3	5:30p	55.4	12:30a	4.4	1.0	0.04	7.2	20.0	1:00p	S
28	64.6	75.0	4:30p	52.7	6:30a	3.5	3.0	0.00	3.8	15.0	12:30p	WSW
29	61.3	69.0	12:00p	52.8	11:00p	4.0	0.3	0.10	5.4	21.0	4:30p	NW
30	62.2	74.8	5:00p	47.5	7:00a	5.4	2.6	0.00	6.8	20.0	6:30p	NW
31	68.1	80.2	5:30p	56.5	7:00a	2.1	5.2	0.00	5.1	15.0	6:00p	WNW
	71.8	90.2	19	47.5	30	36.7	246.4	0.78	6.5	43.0	1	S

Max >= 90.0: 2
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.56 ON 08/26/25
Days of Rain: 5 (>.01 in) 1 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 3.88 ft

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	☒	☐	
Roads	☒	☐	Road spray with weed control by Hedges Operating.
Signs	☒	☐	
Visible piping	☒	☐	
Visible liner and anchors	☒	☐	
Rescue equipment	☒	☐	
Evidence of erosion of:			
Top of Pond 4 berm	☒	☐	
Pond 4 sideslopes	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Seepage from Pond 4	☒	☐	
Overtopping of Pond 4	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by wildlife	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	

Additional comments: Sampling Hose still stuck in Pond.

Monticello LM Representative: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.10.01 11:07:07 -06'00' Date: 9/29/2025

Repository Area Surveillance Checklist

☒ Monthly surveillance ☐ Quarterly surveillance: ☐ February ☐ May ☐ August ☐ November

☐ Storm event triggered surveillance due to _____ inches of rainfall over the past 24 hours.

Inspection Item	Acceptable Yes	Acceptable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	☒	☐	Fixed fence posts on Northeast corner and entire Southern site border.
Roads[a]	☒	☐	Roads sprayed for weed control by Hedges Operating on 09/18/25.
Signs	☒	☐	
Site monuments	☒	☐	
Drainage ditches[a]	☒	☐	
Manholes	☒	☐	
Vegetation	☒	☐	
Evidence of erosion of:			
Top of disposal cell[a]	☒	☐	
Disposal cell sideslopes[a]	☒	☐	
Ditches	☒	☐	
Surrounding area	☒	☐	
Evidence of:			
Vandalism	☒	☐	
Intrusion by livestock	☒	☐	
Burrowing animal damage	☒	☐	
Intrusion by humans	☒	☐	
Accumulation of trash	☒	☐	
Additional Quarterly Surveillance Requirements			
Note: *All transects, shown in Figure 3-1, must be walked during this inspection.*			
Condition of:			
Settlement plate structures	☐	☐	
Manholes[b]	☐	☐	
Sediment ponds	☐	☐	
Evidence of:	☐	☐	
Structural instability	☐	☐	

Additional comments: LMS, LM and UDEQ staff were on site for annual inspection of the site, no major issues found.

Signature: CALEB BAILEY (Affiliate) Digitally signed by CALEB BAILEY (Affiliate) Date: 2025.10.01 11:10:42 -06'00' Date: 09/29/2025

Monticello LM Representative

[a]Inspections required following a significant storm event
[b]Open to inspect quarterly

MONTHLY CLIMATOLOGICAL SUMMARY for SEP. 2025

NAME: Sept-25 CITY: STATE:
ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	69.1	82.2	5:30p	55.1	7:30a	1.9	6.0	0.00	5.2	19.0	1:00p	W
2	70.6	82.2	4:30p	58.7	5:00a	0.9	6.5	0.00	5.3	21.0	2:00p	SSW
3	70.8	82.5	2:00p	59.7	6:00a	0.8	6.6	0.00	6.6	22.0	9:30a	SSE
4	62.2	74.2	1:30p	50.5	5:00a	4.9	2.1	0.36	5.5	19.0	1:00a	SSE
5	60.7	73.5	6:00p	51.9	7:30a	5.5	1.3	0.00	4.1	23.0	8:30p	E
6	59.6	68.0	11:00a	51.8	12:00m	5.7	0.2	0.00	8.0	27.0	2:30p	ESE
7	62.0	77.3	5:00p	46.9	5:00a	5.5	2.6	0.01	5.0	20.0	4:30p	ESE
8	67.2	78.6	5:00p	55.4	7:00a	2.0	4.2	0.00	7.6	35.0	2:30p	ESE
9	66.6	78.4	3:30p	54.2	6:30a	3.0	4.6	0.00	9.3	38.0	3:00p	NE
10	68.3	81.3	5:00p	55.5	4:00a	2.1	5.4	0.03	9.5	35.0	1:00p	S
11	64.5	79.2	5:00p	52.8	7:00a	4.0	3.5	0.00	8.3	32.0	3:30p	SSE
12	58.2	67.9	12:30p	49.4	5:00a	6.9	0.1	0.15	5.9	30.0	7:00p	SE
13	53.7	66.1	3:00p	44.7	12:00m	11.3	0.0	0.00	7.7	47.0	3:30p	SSW
14	55.2	69.9	5:30p	40.2	5:00a	10.5	0.7	0.00	3.8	16.0	4:00p	WNW
15	62.8	74.9	5:00p	50.8	2:00a	4.9	2.7	0.00	6.8	22.0	4:30p	SSE
16	65.0	77.3	5:00p	52.5	2:30a	3.5	3.5	0.00	7.5	24.0	2:30p	SSE
17	63.2	74.9	3:00p	49.2	7:30a	4.3	2.5	0.00	7.4	43.0	1:30p	WNW
18	61.2	73.8	3:00p	48.4	7:00a	5.9	2.1	0.00	4.9	17.0	2:00p	WNW
19	61.3	72.2	4:00p	53.0	2:00a	5.2	1.5	0.08	7.2	27.0	9:00p	SSE
20	59.3	69.7	5:00p	50.4	6:30a	6.3	0.6	0.01	4.6	27.0	1:00p	SW
21	63.4	74.8	3:30p	48.7	7:00a	4.4	2.8	0.00	6.1	26.0	2:00p	SSW
22	60.6	70.6	3:00p	51.0	9:30p	5.0	0.5	0.00	6.5	25.0	6:30p	S
23	54.2	62.5	3:00p	45.0	7:00a	10.8	0.0	0.00	9.7	26.0	4:00p	NW
24	56.4	70.0	4:30p	45.8	7:30a	9.3	0.7	0.00	5.0	17.0	4:30p	WNW
25	61.1	74.2	5:00p	48.8	7:00a	5.9	2.1	0.00	4.8	16.0	1:00p	WSW
26	60.5	70.8	12:30p	50.6	6:00a	5.2	0.7	0.00	5.0	27.0	3:30p	WNW
27	58.1	68.8	1:30p	49.7	12:00m	7.4	0.5	0.04	6.4	30.0	4:30p	WSW
28	54.6	66.3	3:30p	46.5	11:00p	10.5	0.0	0.00	6.3	28.0	3:30p	S
29	55.6	67.2	3:30p	43.5	6:30a	9.6	0.2	0.00	6.0	23.0	2:00p	SSE
30	57.5	69.1	4:30p	47.0	2:00a	7.9	0.4	0.00	7.3	28.0	12:00p	S
	61.4	82.5	3	40.2	14	171.1	64.6	0.68	6.4	47.0	13	SSE

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.36 ON 09/04/25
Days of Rain: 5 (>.01 in) 2 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

RSI ENTECH
In Partnership with Amentum and TFE
United for the Legacy Management Mission

Monticello Long-Term Surveillance and Maintenance Temporary Storage Facility (TSF) Record Book Inspection Report

Are these areas acceptable?		
Yes	**No**	
☒	☐	Was the gate locked upon arrival?
☒	☐	Are signs posted in accordance with 10 CFR 835.602[a]?
☒	☐	Are all postings legible?
☒	☐	Are enclosures on the concrete bin and stored drum containers tight?
☒	☐	Are containers in good physical condition (no rust, no holes, no bulges, etc.)?
☒	☐	How much radiologically-contaminated material is in the concrete bin? *Note: the material should be shipped when the volume in storage approaches 75 percent of the storage capacity.*
☒	☐	Is the surface area of the TSF in good physical condition (no erosion, no flood damage, no excessive vegetation growth, etc.)?
☒	☐	Has radiological monitoring been conducted in accordance with 10 CFR 835.405[d]?
☒	☐	Is the security fence in good condition?

Comments:

The concrete bin contains 6.5 cubic yards of radiologically contaminated material.

[redacted]

Signature of Monticello LM Representative

9/30/2025
Date of Inspection

Appendix B

Graphs Showing Performance History for Disposal Cell and Pond 4 LCRS and LDS

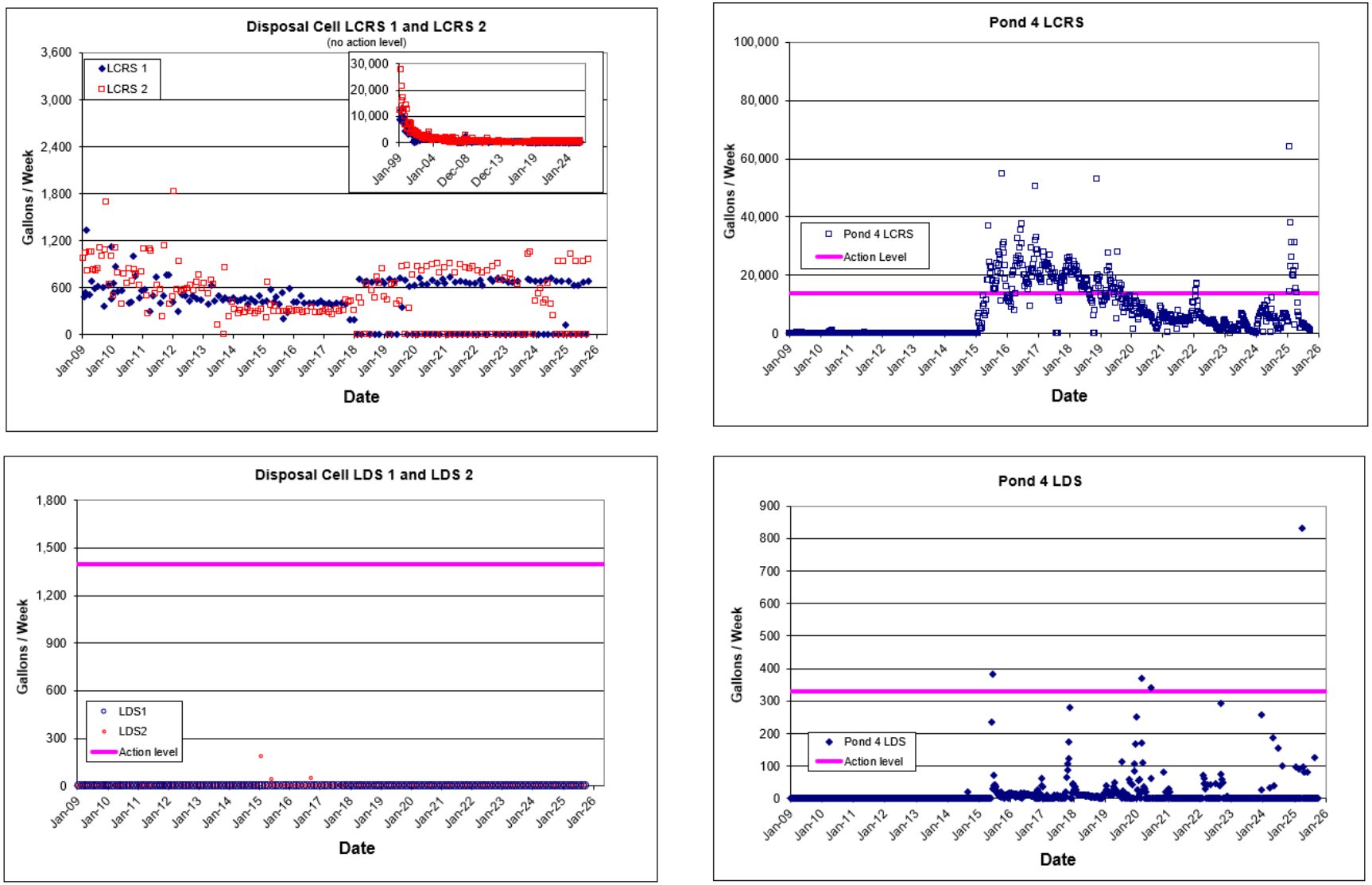

Figure B-1. Graphs Showing Performance History for Disposal Cell and Pond 4 LCRS and LDS