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Abbreviations

3D	three-dimensional
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
gpm	gallons per minute
GRO	Groundwater Remedy Optimization
IC	institutional control
LCRS	Leachate Collection and Removal System
LDS	Leak Detection System
LM	Office of Legacy Management
LMS	Legacy Management Support
LTS&M	long-term surveillance and maintenance
MMTS	Monticello Mill Tailings Site
MNA	monitored natural attenuation
MVP	Monticello Vicinity Properties
OU	Operable Unit
PMP	Performance Monitoring Plan
PRB	permeable reactive barrier
QAPP	Quality Assurance Project Plan
SMP	Site Management Plan
TSF	Temporary Storage Facility
UDEQ	Utah Department of Environmental Quality
UDOT	Utah Department of Transportation
USC	United States Code
ZVI	zero-valent iron

1.0 Introduction

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) submits this quarterly report to inform the U.S. Environmental Protection Agency (EPA) and the Utah Department of Environmental Quality (UDEQ) of the status of the Monticello Vicinity Properties (MVP) and the Monticello Mill Tailings Site (MMTS), collectively called the LM Monticello, Utah, Disposal and Processing Sites, for January through March 2021. The MVP and MMTS are regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (Title 42 *United States Code* Section 9601 et seq. [42 USC 9601 et seq.]) (CERCLA). Quarterly reports are submitted to EPA and UDEQ in February (for October through December), May (January through March), August (April through June), and November (July through September).

LM assesses MVP and MMTS conditions and remedy protectiveness through (1) monthly, quarterly, and annual inspections of site infrastructure and operations as specified under the *Long-Term Surveillance and Maintenance Plan for Monticello NPL Sites* (DOE 2018a), also called the Long-Term Surveillance and Maintenance (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 Reviews.

The primary LTS&M activities at the MVP and MMTS are conducted to (1) provide radiological control at properties where residual soil contamination from 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 groundwater contingency remedy optimization 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 (3D) 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) (SMP). Section 5.0 of that document is updated annually.

1.1 Quarterly Site Status

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

- The Groundwater Remedy Optimization (GRO) system operated as planned during the January–March period and pumped approximately 370,000 gallons of water from the AOA.
- Additional comments were received from EPA on the *Quality Assurance Project Plan*, *Monticello, Utah, Disposal and Processing Sites* (LM-Plan-3-21-1.0, LMS/MNT/S27252) (QAPP) at the end of this period (March 2021).

- The Monticello Mill Tailings Site Operable Unit III Annual Groundwater Report, May 2019–May 2020 (DOE 2020a) was sent to EPA and UDEQ for review in October 2020. Comments were received back from UDEQ in December 2020. Response to UDEQ comments are being reviewed by LM (March 2021).
- The previous period's Federal Facility Agreement (FFA) quarterly report was sent to EPA and UDEQ in February 2021.
- Comments on the draft *Monticello Mill Tailings Site Operable Unit III Groundwater Flow and Contaminant Transport Model Report* (DOE 2020b) were received from EPA (March 22, 2021).
- Comments from EPA were received on the draft *Monitored Natural Attenuation Demonstration Report, Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah* (DOE 2021a) (the monitored natural attenuation [MNA] demonstration report) on March 26, 2021.
- A draft of the *Monticello Mill Tailings Site Operable Unit III Technical Basis for Groundwater Remedy Optimization System Termination* (DOE 2021b) (GRO Termination) report was sent to LM for review (February 2021) with comments returned at the end of this period (March 2021).
- The Legacy Management Support (LMS) contractor drafted a report on the MNA project for OU III (Performance Monitoring Plan [PMP]) at the end of this period (March 2021) and initiated its internal review process.
- Weekly site inspections were performed by site personnel to verify the integrity of the site's systems and to monitor activities that might occur in supplemental standards properties (e.g., City of Monticello streets and utility corridors). Site personnel worked onsite at least 4 days a week during the quarter except for shortened weeks to observe holidays.
- Monticello site personnel continued working under Phase 3 of the coronavirus-related limited operations return-to-work procedures, which allowed people to work at the site every day except weekends and holidays (i.e., a continuation of the policy in effect since May 18, 2020).
- Site personnel performed monthly and quarterly site inspections in accordance with the LTS&M Plan.
- Routine surveillance noted no anomalous conditions for the MVP remedy.
- Routine surveillance noted no violations of MMTS ICs that restrict land and groundwater use.
- Routine surveillance noted no anomalous conditions for the surface features of the disposal cell and Pond 4, the engineered solar evaporation pond.
- The volume of water pumped from the Pond 4 Leachate Collection and Removal System (LCRS) did not exceed the action level this quarter.
- Routine surveillance noted no operational deficiencies for the Temporary Storage Facility (TSF).

2.0 MVP

LTS&M for the MVP consists of providing radiological control at excavations in City of Monticello roadway and utility corridors, in Utah Department of Transportation (UDOT) rights-of-way within City limits, and at property MS-00176-VL (privately owned supplemental standards property).

Surveillance results for this quarter are as follows:

- No anomalous conditions for the MVP remedy were noted.
- LM representatives continued to coordinate with City officials via telecommunications regarding construction and excavation activities by the City, UDOT, and utility companies in roadway and utility corridors. LM follows the normal LTS&M protocol to provide radiological control in the affected roadways.
- Eight excavations occurred in the City streets and utility corridors this quarter. Site personnel radiologically surveyed the removed soils from the excavations, and no radiologically contaminated materials were found.

Neither excessive erosion nor unauthorized excavations were observed at the U.S. Highway 191 embankment at Montezuma Creek (supplemental standards property).

Surveillance of property MS-00176-VL identified no excessive erosion of supplemental standards material or violation of the land-use restriction.

3.0 MMTS

LTS&M activities for the MMTS consist of (1) maintaining the onsite repository and operating the associated LCRS and Leak Detection System (LDS) for the disposal cell and Pond 4, (2) surveillance of properties affected by groundwater- and land-use ICs on the former Monticello mill (mill site) and peripheral properties, and (3) operation and maintenance of the OU III groundwater remediation system.

3.1 OU I

OU I consists of the property that contained 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 that was completed in 1999. LM owns and manages the repository; the City owns the former mill site and manages it as a public park.

3.1.1 Repository

Monthly, quarterly, and annual inspections of the repository ensure that remedy controls remain intact and the waste remains isolated from the environment. Inspection observations and maintenance activities for the quarter consist of the following:

- No area of the cover showed settling, slumping, fracturing, seepage, ponding, or significant erosion.
- No anomalous surface feature conditions were observed at the disposal cell or Pond 4. Surveillance checklists for this quarter are attached as Appendix A. No further minor burrowing by voles and small ground squirrels was observed this quarter on the disposal cell and Pond 4 berm.
- 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 period include the following:
 - Leachate production from the disposal cell was approximately 510 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 receive no water; therefore, the disposal cell LDS action level was not exceeded. See Appendix B for a graphical depiction of leachate production history.
- Operation of the OU III GRO system resulted in increased water collection in the Pond 4 LCRS. LCRS and LDS action levels, approved by EPA and UDEQ, were formally developed in the *Repository and Pond 4 Groundwater Contingency Plan* (DOE 1998) and are also found in Section D5.0 of the LTS&M Plan. The leakage rate established for the Pond 4 LCRS is 851 gallons per acre per day (gpad) (2000 gallons per day), and the leakage rate for the LDS is 20 gpad (47 gallons per day), which is averaged over a 7-day period. These 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 this period are as follows:
 - Water collection at the Pond 4 LCRS continued but did not exceed the action levels this quarter (see Appendix B)
 - Water collection in the Pond 4 LDS remained below the action level (see Appendix B)
- The transducer in the leachate detection system beneath Pond 4 failed and was manually pumped when water was observed. Approximately 5 gallons of water were pumped from the LDS sump from February 1 to the end of March.

3.1.2 TSF

Routine surveillance of the TSF ensures that maintenance and radiological controls that govern access to and the placement, storage, and transfer of contaminated material in the TSF are current and effective. Surveillance this quarter (see surveillance checklists in Appendix A) 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 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. In summary, recent TSF activity consists of the following:

• The volume of waste stored in the TSF controlled area is approximately 1.5 cubic yards. Currently, the TSF stores no soils or excavation products from City street projects or supplemental standards properties. Present contents consist primarily of used personal protective equipment, one pump, and materials removed from onsite radiological areas during routine site maintenance.

3.1.3 Mill Site

LM conducts surveillance of the mill site (properties MP-00181-VL and MS-00893-VL) to ensure compliance with ICs that were 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, constructing habitable structures, and camping, as well as preserving the properties for day use as a public park.

Surveillance results for this quarter revealed:

• No nonconformance with water- 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 that were 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 (soil removal or construction of habitable structures in supplemental standards properties) was observed.
- **Groundwater-use restrictions (e.g., prohibition on installing domestic-use wells in the alluvial aquifer):** These were applied to several OU II properties under the 2004 covenant by which DOE transferred selected properties to the City. No evidence of nonconformance with this restriction was observed during the quarter.

- **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- and groundwater-use restrictions was observed.
- **Excessive erosion:** No storm events exceeding 2.8 inches of precipitation in a 24-hour period occurred, 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 and October; the next semiannual sampling event is scheduled for the week of April 12, 2021. The 1,000,000-gallon sampling will be performed all at the same time.

The contaminated groundwater is within the alluvial aquifer beneath the valley of Montezuma Creek; some sections of Montezuma Creek are contaminated by the discharge of contaminated groundwater. The alluvial aquifer has no record of past or present use; however, a portion of the aquifer is subject to ICs to restrict use. Montezuma Creek is used for limited irrigation and livestock watering. There are no ICs that restrict surface water use.

The current groundwater remedy includes (1) MNA with ICs and (2) pump-and-treat 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) treatment by a zero-valent iron (ZVI) in situ permeable reactive barrier (PRB) and (2) pump-and-treat 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/ICs

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 found:

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

3.3.2 OU III Groundwater Contingency Remedy Optimization 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 6 wells were installed north of Montezuma Creek in 2017. These 22 wells are currently sampled following the extraction of approximately 1,000,000 gallons 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).

3.3.2.1 GRO System Quarterly Performance Summary

The GRO system performance for the quarter is summarized below.

- Groundwater extraction during the quarter was approximately 370,000 gallons, equivalent to an average flow rate of 2.86 gallons per minute (gpm). Assuming the concentration of extracted water throughout the quarter was equal to the uranium concentration of the tank effluent on October 20, 2020, (the date of the most recent sample collected), a total of 1.5 pounds of uranium were removed during this quarter.
- During the quarter, the volume of water stored in Pond 4 increased by approximately 370,000 gallons. The GRO system 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).
- 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 system.
- Cumulatively, the system has removed 23,600,000 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 7.1 and 9.8 pore volumes since system startup.
- From January 2015 through October 20, 2020, the GRO system removed approximately 118 pounds of uranium from the AOA aquifer (Table 2). Estimates of cumulative uranium mass removed are updated only at sampling events.

Calendar Month	Approximate Volume Pumped (Millions of Gallons)	Effective Pumping Rate (gpm)	Approximate Cumulative Volume ^a (Millions of Gallons)		
January 2021	0.11	2.46	23.3		
February 2021	0.09	2.29	23.4		
March 2021	0.17	3.78	23.6		

 Table 1. GRO System Treatment: Monthly Volumes and Rates for This Quarter and

 Cumulative Volumes Since January 2015

Note:

^a Cumulative volume is based on the volume of groundwater extracted by the GRO system since system startup in January 2015.

Table 2. Uranium Mass Removal from Groundwater in the AOA

Tank Effluent Sample Dateª	Effluent Tank Uranium Concentration (μg/L)	Volume Removed Between Tank Samples (Millions of Gallons)	Uranium Removed (Pounds) ^b	Cumulative Mass of Uranium Removed ^c (Pounds)		
May 18, 2020	510	0.83	3.6	114		
October 20, 2020	480	1.00	4.1	118		

Notes:

^a Sampling occurs following the extraction of approximately 1,000,000 gallons.

^b Uranium removed since last sampling event. Estimate is based on 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 that are submitted to EPA and UDEQ.

3.3.3 OU III Closure Strategy

Several scenarios are being evaluated to develop a closure strategy for OU III, and these are detailed in the *OU III Closure Strategy for the Monticello Mill Tailings Site, Monticello, Utah* (DOE 2018b). These scenarios include MNA and ICs, with remedy transition, decommissioning, and long-term monitoring (Scenario 1); GRO system termination based on asymptotic trends before transitioning to MNA and ICs (Scenario 2); and evaluation of alternative technologies and a technical impracticability waiver (Scenario 3). Efforts to determine the best possible closure strategy include hydrogeologic and geochemical characterization along with 3D numerical fate and transport modeling to forecast remedial time frames.

With regard to the OU III closure strategy, the LM contractor completed the following this quarter:

- A draft of the MNA demonstration report was completed and submitted to EPA and UDEQ for review. Comments were received from EPA March 26, 2021.
- A draft of the *Monticello Mill Tailings Operable Unit III Groundwater Flow and Contaminant Transport Model Report* was completed and submitted to EPA and UDEQ for review. Comments were received from EPA March 22, 2021.
- A draft report for termination of the GRO system was developed and submitted to LM for review. Comments were received at the end of this reporting period (March 2021).
- Modeling updates were performed to assist the development of the PMP for MNA. The draft PMP was completed for internal review at the end of this reporting period (March 2021).

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 National Priorities List sites.

Activity or Deliverable	Schedule
Recent	
Revised QAPP	 Submitted to EPA and UDEQ 10/2/2020 Comments received from EPA 12/15/2020 Response to comments sent to EPA and UDEQ 3/10/2021 Comments received back from EPA 3/23/2021
Revised Section 5.0 of the SMP	Submitted to EPA and UDEQ 10/7/2020
Monticello Mill Tailings Site Operable Unit III Annual Groundwater Report, May 2019–May 2020	 Submitted to EPA and UDEQ 10/29/2020 Comments received from UDEQ 12/28/2020 Response to UDEQ comments submitted to LM 3/10/2021
Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: July 1–September 30, 2020 (DOE 2020c)	Submitted to EPA and UDEQ 11/9/2020
Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: October 1–December 31, 2020 (DOE 2021c)	Submitted to EPA and UDEQ 2/10/2021
Monticello Mill Tailings Site Operable Unit III Groundwater Flow and Contaminant Transport Model Report	- Submitted to EPA and UDEQ 11/19/2020 - Comments received from EPA 3/22/2021
Monitored Natural Attenuation Demonstration Report Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah	Submitted to LM for review 12/14/2020
2020 Annual Inspection Report for the DOE Monticello, Utah, Mill Tailings Site and Monticello Vicinity Properties (forthcoming)	Submitted to EPA and UDEQ 12/21/2020
Near-Term	1
Revised Monticello QAPP	Will submit to EPA and UDEQ May 2021
Modeling QAPP	Scheduled for June 2021
Spring semiannual ground and surface water sampling event	Completed week of April 12, 2021
Monticello Mill Tailings Site Operable Unit III Annual Groundwater Report, May 2020–May 2021	Will submit to EPA and UDEQ before October 31, 2021
Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: January 1–March 31, 2020	Will submit to EPA and UDEQ before May 15, 2021, deadline
Annual site inspection report	Will submit to EPA and UDEQ by December 31, 2021
Semiannual FFA meeting	Spring of 2021
MNA demonstration report	Response to EPA and UDEQ comments May 2021
Monticello Mill Tailings Site Operable Unit III Groundwater Flow and Contaminant Transport Model Report	Response to EPA and UDEQ comments May 2021
Technical report to terminate GRO operations	Will submit to EPA and UDEQ spring of 2021
Performance monitoring metrics for OU III	Scheduled for spring of 2021
Sixth CERCLA Five-Year Reviews for the MVP and MMTS	Scheduled to begin summer of 2021

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

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), 1998. *Repository and Pond 4 Groundwater Contingency Plan-Final*, MAC-MRAP 3.5.8, Grand Junction Office, February.

DOE (U.S. Department of Energy), 2003. *Monticello Site Management Plan*, GJO-2003-493-TAC, Section 5.0 (this section is continually updated), Grand Junction Office, Grand Junction, Colorado, 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), 2018a. *Long-Term Surveillance and Maintenance Plan for the Monticello NPL Sites*, LMS/MNT/S00387, Office of Legacy Management, June.

DOE (U.S. Department of Energy), 2018b. *OU III Closure Strategy for the Monticello Mill Tailings Site, Monticello, Utah*, LMS/MNT/S18146, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2020a. *Monticello Mill Tailings Site Operable Unit III Annual Groundwater Report, May 2019–May 2020*, LMS/MNT/S30735, Office of Legacy Management, October.

DOE (U.S. Department of Energy), 2020b. *Monticello Mill Tailings Site Operable Unit III Groundwater Flow and Contaminant Transport Model Report*, LMS/MNT/S30707, Office of Legacy Management, November.

DOE (U.S. Department of Energy), 2020c. *Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: July 1–September 30, 2020,* LMS/MNT/S31921, Office of Legacy Management, November.

DOE (U.S. Department of Energy), 2021a. *Monitored Natural Attenuation Demonstration Report, Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah*, LMS/MNT/S32631, Office of Legacy Management, January. DOE (U.S. Department of Energy), 2021b. *Monticello Mill Tailings Site Operable Unit III Technical Basis for Groundwater Remedy Optimization System Termination*, LMS/MNT/S33213, Office of Legacy Management, April.

DOE (U.S. Department of Energy), 2021c. *Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: October 1–December 31, 2020*, LMS/MNT/S33324, Office of Legacy Management, February.

DOE (U.S. Department of Energy), forthcoming. 2020 Annual Inspection Report for the DOE Monticello, Utah, Mill Tailings Site and Monticello Vicinity Properties, Office of Legacy Management, to be published.

Quality Assurance Project Plan, Monticello, Utah, Disposal and Processing Sites, LM-Plan-3-21-1.0, LMS/MNT/S27252, continually updated, prepared by the LMS contractor, for the U.S. Department of Energy Office of Legacy Management.

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Appendix A

Monthly and Quarterly Surveillance Checklists

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NAVARRO Contractor to the U.S. Department of Energy Office of Legacy Management

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 6.792

Inspection Item	Acce	ptable	Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	\boxtimes		
Roads	\boxtimes		
Signs	\boxtimes		
Visible piping	\boxtimes		
Visible liner and anchors	\boxtimes		
Rescue equipment	\boxtimes		Boat remains at the pond.
Evidence of erosion of:			
Top of Pond 4 berm	\boxtimes		
Pond 4 sideslopes	\boxtimes		
Ditches	\boxtimes		
Surrounding area	\boxtimes		
Seepage from Pond 4	\boxtimes		
Overtopping of Pond 4	\boxtimes		
Evidence of:			
Vandalism	\boxtimes		
Intrusion by wildlife	\boxtimes		
Intrusion by humans	\boxtimes		
Accumulation of trash	\bowtie		

Additional comments: The pond is frozen over with several inches of snow on the ground but things appear to be in good condition.

Monticello LM Representative: Gary L. McKinnon Digitally signed by Gary L. McKinnon Date: 2021.01.27 12:40:16-07'00'

Date: 1/27/2021

February 2019

NAVARI	RO
	Contractor to the U.S. Department of Energy Office of Legacy Management

Repository Area Surveillance Checklist

Monthly surveillance	Contract Contract Contract		rveillance: February May August November
Storm event triggered s			
Inspection Item	Acce Yes	otable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	\boxtimes		
Roads ^a	\boxtimes		
Signs	\boxtimes		
Site monuments	\boxtimes		
Drainage ditchesª	\boxtimes		
Manholes	\boxtimes		
Vegetation	\boxtimes		
Evidence of erosion of:			
Top of disposal cell ^a	\boxtimes		
Disposal cell sideslopes ^a	\boxtimes		
Ditches	\boxtimes		
Surrounding area	\boxtimes		
Evidence of:			
Vandalism	\boxtimes		
Intrusion by livestock	\boxtimes		
Burrowing animal damage	\boxtimes		
Intrusion by humans	\boxtimes		
Accumulation of trash	\boxtimes		
Additional Quarterly Survey Note: All transects, shown in			ements e walked during this inspection.
Condition of:			
Settlement plate structures			
Manholes ^b			
Sediment ponds			
Evidence of:			
Structural instability			
Additional comments: T	he reposi	tory is c	overed with several inches of snow but appears to be in good condition.
Signature: Gary L	. McK		Digitally signed by Gary L. McKinnon Date: 2021.01.27 18:14:41 -07'00' Date: 01/27/2021
^a Inspections required followin ^b Open to inspect quarterly	g a signific		2012/07 (2012) 2012 E202 E202 E202 E202 E202 E202 E202
LMS 5502MNT			Page 1 of 1 January 2019

NAME:	Montic	ello	Offic	ce	CITY	(: B)	land	ding	STATE	E: Ut	cah	
ELEV:	7070	ft :	LAT:	37°	54'	00"	Ν	LONG:	109°	18'	00 "	W

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

DAY	MEAN TEMP	HIGH	TIME	FOM	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	26.2	35.2	4:00p	16.1	12:00m	38.8	0.0	0.00	5.8	25.0	1:00a	NNW
2	22.7	36.7	3:30p	12.6	8:00a	42.3	0.0	0.00	2.6	11.0	11:00a	W
3	26.0	36.5	3:30p	17.3	2:00a	39.0	0.0	0.00	2.3	10.0	9:30p	WSW
4	31.8	41.0	12:00p	22.5	12:30a	33.2	0.0	0.00	6.8	20.0	8:00p	WNW
5	30.9	38.1	12:00p	20.3	11:30p	34.1	0.0	0.00	11.2	31.0	11:30a	NW
6	27.3	37.0	1:00p	16.1	8:00a	37.7	0.0	0.00	5.1	17.0	3:30p	NNW
7	29.7	41.5	4:00p	19.3	7:00a	35.3	0.0	0.00	4.4	19.0	5:00p	WNW
8	30.6	42.2	1:30p	21.7	8:00a	34.4	0.0	0.00	3.6	12.0	4:00a	WNW
9	26.9	34.2	1:30p	17.3	5:30a	38.1	0.0	0.00	11.5	34.0	6:30p	NW
10	23.2	33.3	4:00p	15.9	10:00p	41.8	0.0	0.00	4.6	14.0	12 : 30a	NNW
11	23.2	36.5	2:30p	14.5	7:30a	41.8	0.0	0.00	4.4	14.0	11:00a	W
12	24.2	40.5	3:30p	11.0	6:30a	40.8	0.0	0.00	2.5	15.0	2:00p	W
13	31.1	44.6	2:00p	17.7	6:30a	33.9	0.0	0.00	3.1	22.0	12:00m	WSW
14	34.2	42.1	1:00a	27.1	6:30p	30.8	0.0	0.00	13.1	30.0	1:00a	NW
15	34.0	45.7	3:30p	27.5	9:00p	31.0	0.0	0.00	9.1	29.0	3:30p	NNW
16	35.7	43.3	3:00p	24.5	4:30a	29.3	0.0	0.00	9.7	29.0	9:00a	NW
17	36.8	49.6	3:00p	24.3	8:00a	28.2	0.0	0.00	6.5	27.0	3:00p	NW
18	34.8	41.3	12:30p	29.3	12:00m	30.2	0.0	0.00	10.2	21.0	6:30a	NW
19	28.4	32.5	3:00p	22.2	7:00a	36.6	0.0	0.03	4.3	13.0	12:30a	SSE
20	28.9	40.1	3:00p	21.6	4:30a	36.1	0.0	0.03	3.2	13.0	6:00p	SE
21	27.9	37.9	3:30p	18.7	4:00a	37.1	0.0	0.01	4.0	18.0	1:30p	SE
22	30.8	33.8	8:30p	22.8	12:30a	34.2	0.0	0.00	6.7	27.0	10:30p	SSE
23	30.2	34.6	2:00p	21.6	11:00p	34.8	0.0	0.08	8.9	32.0	7:30a	S
24	28.2	32.9	3:30p	24.0	12:30a	36.8	0.0	0.11	4.0	19.0	2:00p	SSE
25	22.7	26.8	1:00p	14.9	7:30a	42.3	0.0	0.01	6.2	26.0	11:30p	SSE
26	17.7	24.2	3:00p	4.6	9:30p	47.3	0.0	0.00	6.5	25.0	1:30a	S
27	19.8	27.9	12:00m	11.2	6:00a	45.2	0.0	0.00	11.4	27.0	2:30p	S S
28	32.1	40.2	3:30p	21.8	5:30a	32.9	0.0	0.05	6.8	27.0 35.0	11:30p 5:30p	ь S
29	34.1	38.6	1:30p	25.9	12:00m	30.9	0.0	0.00	9.1 4.6	18.0	3:30p 3:00a	SE
30	25.0	37.0	3:30p 2:30p	13.6 17.4	6:00a 7:30a	40.0 37.8	$0.0 \\ 0.0$	$0.01 \\ 0.00$	4.0 3.7	13.0	12:00a	SE W
31	27.2	39.4		1/.4 	7:30a		0.0		J./	13.0	12.00m	
	28.5	49.6	17	4.6	26 1	132.7	0.0	0.33	6.3	35.0	29	NW
Max	<u>>-</u> 0	0.0:	0									
Max			3									
Min		2.0: 2.0: 3										
Min			0									
			ON 01/24	/21								

Max Rain: 0.11 ON 01/24/21 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 7.009

Inspection Item	Acce	otable	Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	\boxtimes		
Roads	\boxtimes		
Signs	\boxtimes		
Visible piping	\boxtimes		
Visible liner and anchors	\boxtimes		
Rescue equipment	\boxtimes		Boat remains at the pond.
Evidence of erosion of:			
Top of Pond 4 berm	\boxtimes		
Pond 4 sideslopes	\boxtimes		
Ditches	\boxtimes		
Surrounding area	\boxtimes		
Seepage from Pond 4	\boxtimes		
Overtopping of Pond 4	\boxtimes		
Evidence of:			
Vandalism	\boxtimes		
Intrusion by wildlife	\boxtimes		
Intrusion by humans	\boxtimes		
Accumulation of trash	\boxtimes		

Additional comments: The pond is frozen over with several inches of snow on the ground but things appear to be in good condition.

Monticello LM Representative:

Gary L. McKinnon Digitally signed by Gary L. McKinnon Date: 2021.02.25 10:01:39-07'00'

Date: 02/25/2021



Repository Area Surveillance Checklist

Monthly surveillance	🛛 Quarterly surveil	lance: 🖾 February 🗌 May 🔲 August 🗌 November
Storm event triggered su	rveillance due to	inches of rainfall over the past 24 hours.
Inspection Item	Acceptable Yes No	Comments and Recommendation
Condition of:		
Fences, gates, and locks	\boxtimes \Box	
Roadsª	\boxtimes \Box	
Signs	57 57	
Site monuments	\boxtimes \Box	
Drainage ditches ^a	\boxtimes \Box	
Manholes	\boxtimes \Box	
Vegetation	\boxtimes \Box	
Evidence of erosion of:		
Top of disposal cell ^a	\boxtimes \Box	
Disposal cell sideslopes ^a	\boxtimes \Box	
Ditches	\boxtimes \Box	
Surrounding area	\boxtimes \Box	
Evidence of:		
Vandalism	\boxtimes \Box	
Intrusion by livestock	\boxtimes \Box	
Burrowing animal damage	\boxtimes \Box	
Intrusion by humans	\boxtimes \Box	
Accumulation of trash	\boxtimes \Box	
Additional Quarterly Surve Note: All transects, shown in F		
Condition of:		
Settlement plate structures	\boxtimes \Box	
Manholes ^b	\boxtimes \Box	
Sediment ponds	\boxtimes \Box	
Evidence of:		
Structural instability		
Additional comments: Th	e repository is cover	ed with several inches of snow but appears to be in good condition.
Signature: Gary L. N	AcKinnon	Digitally signed by Gary L. McKinnon Date: 2021.02.25 07:55:27 -07'00' Date: 2/25/2021
^a Inspections required following ^b Open to inspect quarterly		
LMS 5502MNT		Page 1 of 1 January 2019
1 M(2) 22012/M(N)		rade Local January 2019

MONTHLY CLIMATOLOGICAL SUMMARY for FEB. 2021

						n	IDN	ticella				
NAME :	Montic	cell	o Offi	ce	CITY	1: 🗹		ticello	STATI	E: Ut	zah	
ELEV:	7070	ft	LAT:	37°	54'	00"	Ν	LONG:	109°	18'	00"	W

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	36.2	39.1	3:30p	30.0	5:00a	28.8	0.0	0.00	7.7	21.0	9 : 30a	SSE
2	39.7	45.4	1:30p	34.4	7:00a	25.3	0.0	0,00	7.5	23.0	2:00p	SSE
3	39.1	47.7	3:00p	27.2	12:00m	25.9	0.0	0.00	11.0	37.0	10:30a	S
4	25.8	31.0	2:00p	19.8	8:00a	39.2	0.0	0.00	11.0	35.0	10:30a	NW
5	27.7	39.4	5:00p		3:00a	37.3	0.0	0.00	7.1	29.0	8:00p	NМ
6	31.4	41.3	4:00p		7:30a	33.6	0.0	0.00	8.8	27.0		S
7	35.4	47.4	4:00p		7:00a	29.6	0.0	0.00	6.1	22.0	12 : 30a	SE
8	38.2	45.9	3:00p		6:00a	26.8	0.0	0.00	9.0	21.0	3:30p	SSE
9	39.6	44.0	3:30p	33.7	12:00m	25.4	0.0	0.00	8.4	23.0	4:30a	S
10	35.3	40.2	11:30a		12:00m	29.7	0.0	0.00	3.1	32.0	1:30a	S
11	37.2	46.7	3:30p	26.2	2:00a	27.8	0.0	0.00	6.3	23.0	12:00m	SSE
12	35.4	42.3	3:30p	31.2	12:00m	29.6	0.0	0.04	6.0	21.0	12:30a	S
13	30.5	33.3	9:00a		9:30p	34.5	0.0	0.04	6.2	21.0	12:00m	SSE
14	23.8	30.7	12:30a		12:00m		0.0	0.00	16.3	43.0	12:30p	WNW
15	21.9	27.7	12:30p		6:00a	43.1	0.0	0.02	4.8	19.0	4:30p	SE
16	26.1	31.6	5:00p		7:00a	38.9	0.0	0.01	10.3	30.0	4:00p	WNW
17	22.5	26.4	2:30p		3:00a		0.0	0.00	10.7	24.0	12:00m	NW
18	20.6	27.4	3:30p	13.4	9:30p	44.4	0.0	0.00	10.5	27.0	2:30a	NW
19	25.9	35.6	4:00p	12.5	5:00a		0.0	0.00	6.6	21.0	12:00m	SE
20	31.3	41.9	4:00p	26.6	7 : 30a	33.7	0.0	0.00	13.8	36.0	5:00p	SSE
21	26.1	33,6	4:30p	19.6	6 : 30a	38.9	0.0	0.00	12.1	34.0	4:00a	NW
22	30.4	40.6	4:30p	20.7	12:30a	34.6	0.0	0.00	6.8	20.0	9:30a	NNW
23	35.2	47.1	3:00p		7:30a	29.8	0.0	0.00	6.9	28.0	10:30p	SE
24	34.4	44.6	3:30p		7:00a	30.6	0.0	0.00	9.5	31.0	11:30p	NW
25	27.5	34.5	3:30p		7:30a	37.5	0.0	0.00	11.2	27.0	4:30a	NW
26	31.0	39.5	3:30p		6:30a		0.0	0.00	7.3	27.0	2:00p	S
27	25.8	31.9	12 : 30a		12:00m		0.0	0.00	11.6	32.0	8:00a	NW
28	22.0	29.3			7:00a		0.0	0.00	12.5		3:30p	WNW
			3		19	964.0		0.11		43.0	14	NW
Max	>= 9	0.0:	0									
			8									
		2.0:2										
	<=		0									
11-11	· .		~									

Max Rain: 0.04 ON 02/12/21

Days of Rain: 3 (>.01 in) 0 (>.1 in) 0 (>1 in) Heat Base: 65.0 Cool Base: 65.0 Method: Integration



Contractor to the U.S. Department of Energy Office of Legacy Management

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

Are t	hese	areas acceptable?
Yes	No	
\boxtimes		Was the gate locked upon arrival?
\boxtimes		Are signs posted in accordance with 10 CFR 835.602[a]?
\boxtimes		Are all postings legible?
\boxtimes		Are enclosures on the concrete bin and stored drum containers tight?
\boxtimes		Are containers in good physical condition (no rust, no holes, no bulges, etc.)?
\boxtimes		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.
\boxtimes		Is the surface area of the TSF in good physical condition (no erosion, no flood damage, no excessive vegetation growth, etc.)?
\boxtimes		Has radiological monitoring been conducted in accordance with $10~{ m CFR}~835.405[d]?$
\boxtimes		Is the security fence in good condition?
Com	ments	

There is no radiologically contaminated material in the concrete bin.

Signature of Monticello LM Representative

2/26/2021

Date of Inspection



Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 7.105

Inspection Item	Acce	otable	Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	\boxtimes		
Roads	\boxtimes		
Signs	\boxtimes		
Visible piping	\boxtimes		
Visible liner and anchors	\boxtimes		
Rescue equipment	\boxtimes		Boat remains at the pond.
Evidence of erosion of:			
Top of Pond 4 berm	\boxtimes		
Pond 4 sideslopes	\boxtimes		
Ditches	\boxtimes		
Surrounding area	\boxtimes		
Seepage from Pond 4	\boxtimes		
Overtopping of Pond 4	\boxtimes		
Evidence of:			
Vandalism	\boxtimes		
Intrusion by wildlife	\boxtimes		
Intrusion by humans	\boxtimes		
Accumulation of trash	\boxtimes		

Additional comments: Things appear to be in good condition.

Monticello LM Representative: Gary L. McKinnon Digitally signed by Gary L. McKinnon Date: 2021.03.30 13:52:48 -06'00'

Date: 03/30/2021

NAVARRO Contractor to the U.S. Department of Energy Office of Legacy Management

Repository Area Surveillance Checklist

🔀 Monthly surveillance	🗌 Quar	terly su	rveillance: 🔲 February 🗌 May 📄 August 🗌 November
Storm event triggered su	rveillanc	e due t	o inches of rainfall over the past 24 hours.
Inspection Item	Accep Yes	ntable No	Comments and Recommendation
Condition of:			
Fences, gates, and locks	\boxtimes		
Roads ^a	\boxtimes		
Signs	\boxtimes		
Site monuments	\boxtimes	\Box	
Drainage ditches ^a	\boxtimes	\Box	
Manholes	\boxtimes	\Box	
Vegetation	\boxtimes	\Box	
Evidence of erosion of:			
Top of disposal cell ^a	\boxtimes	\Box	
Disposal cell sideslopes ^a	\boxtimes	\Box .	
Ditches	\boxtimes		
Surrounding area	\boxtimes		
Evidence of:			
Vandalism	\boxtimes		
Intrusion by livestock	\boxtimes		
Burrowing animal damage	\boxtimes		
Intrusion by humans	\boxtimes		
Accumulation of trash	\boxtimes		
Additional Quarterly Surv Note: All transects, shown in F	eillance Figure 3-1	Requi	rements be walked during this inspection.
Condition of:			
Settlement plate structures			
Manholes ^b			
Sediment ponds			
Evidence of:			
Structural instability			
Additional comments: Th	ne repos	itory ap	pears to be in good condition.
Signature: Gary L. N	McKir		
^a Inspections required following ^b Open to inspect quarterly	g a signifi		cello LM Representative rm event
LMS 5502MNT			Page 1 of 1 January 2019

MONTHLY CLIMATOLOGICAL SUMMARY for MAR. 2021

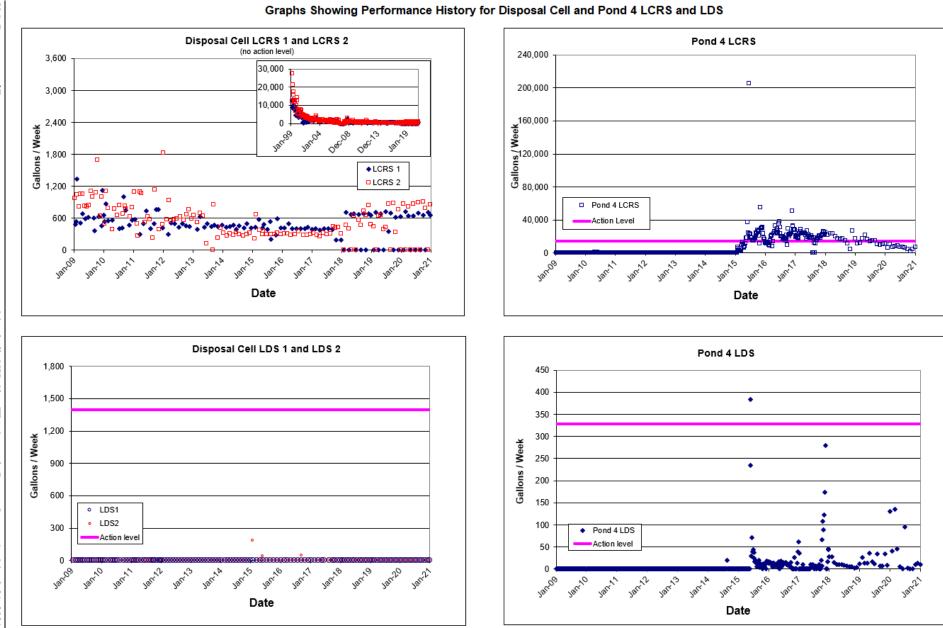
NAME: Monticello Office CITY: Monticello STATE: Utah ELEV: 7070 ft LAT: 37° 54' 00" N LONG: 109° 18' 00" W

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	29.3	41.6	3:30p	18.5	5:00a	35.7	0.0	0.00	5.3	15.0	3:30a	WNW	
2	34.6	48.0	4:30p	21.3	5:30a	30.4	0.0	0.00	4.6	16.0	1:00p	SSW	
3	40.7	51.9	4:30p	26.7	5:30a	24.3	0.0	0.00	6.7	32.0	11:00p	SSE	
4	35.6	42.0	12:30a	30.1	7:00a	29.4	0.0	0.03	10.1	31.0	1:00a	NW	
5	42.0	52.8	4:30p	34.8	10:30p	23.0	0.0	0.00	7.6	26.0	1:00a	NW	
6	42.6	52.8	4:00p	35.5	2:00a	22.4	0.0	0.00	9.4	28.0	9:30a	SSW	
7	46.9	56.3	4:00p	38.4	7:00a	18.1	0.0	0.00	8.3	23.0	1:30p	S	
8	47.6	58.3	3:30p	39.0	5:00a	17.4	0.0	0.00	8.0	30.0	3:30p	SSE	
9	41.0	51.3	3:30p	33.7	12:00m		0.0	0.09	9.7	37.0	6:00p	SSE	
10	33.9	42.5	1:30p	27.7	6:30a	31.1	0.0	0.00	8.7	25.0	3:00p	S	
11	28.0	33.9	3:00p	22.5	12:00m	37.0	0.0	0.02	6.7	27.0	2:30a	SSE	
12	31.5	40.7	1:00p	21.8	12 : 30a		0.0	0.02	6.2	28.0	2:00p	S	
13	27.0	31.7	12:00p	22.6	10:30p		0.0	0.16	1.9	10.0	3:30a	SE	
14	30.2	36.7	3:30p	24.2	6:30a	33.3	0.0	0.01	12.9	42.0	6:30p	WNW	
15	36.2	46.6	5:30p	25.4	5:00a	28.8	0.0	0.02	6.4	30.0		SSE	
16	33.9	42.3	3:30p	28.7	6:00a	31.1	0.0	0.13	5.6	22.0	12 : 30a	SE	
17	37.1	45.9	4:00p	31.1	8:00a	27.9	0.0	0.00	9.4	23.0	1:00a	NW	
18	41.6	54.6	4:00p	30.6	6:00a	23.4	0.0	0.00	4.2	14.0	12:00p	WSW	
19	47.2	59.3	4:00p	36.1	2:00a	17.8	0.0	0.00	6.4	22.0	3:30p	S	
20	46.9	57.8	3:30p	34.5	7:00a	18.1	0.0	0.00	12.6	39.0		S	
21	37.1	44.3	5:00p	29.2	8:00a	27.9	0.0	0.00	7.8	32.0	1:00a	NW	
22	35.1	44.3	5:00p	27.6	7 : 30a	29.9	0.0	0.00	14.2	34.0	9:30a	NW	
23	33.8	38.8	4:00p	28.2	6:00a	31.2	0.0	0.00	9.5	23.0	4:30p	NW	
24	30.5	36.5	1:00p	26.6	7:30a	34.5	0.0	0.03	8.5	23.0	3:30a	NW	
25	30,9	38.7	3:30p	28.3	2:30a		0.0	0.02	9.8	30.0	4:00p	SSE	
26	30.3	37.1	4:30p	18.7	7:30a	34.7	0.0	0.09	7.0	19.0	12 : 30a	SE	
27	36.1	45.3	5:00p	28.7	7:00a	28.9	0.0	0.00	10.3	25.0	12:00p	WNW	
28	43.1	56.0	5:30p	31.0	7:30a		0.0	0.00	5.4	17.0	6:30p	WSW	
29	46.9	60.1	4:00p	34.1	7:30a	18.1	0.0	0.00	11.3	34.0	1:00p	SSW	
30	33.5	41.0	12:30a	24.3	11:30p		0.0	0.00	13.8	35.0	4:00a	WNW	
31	36.4		4:30p		7:30a		0.0		5.7	18.0	3:30a	NNW	
	37.0		29	18.5	1	866.0	0.0	0.62	8.2	42.0	14	SSE	
Max Min Min Max	Max >= 90.0: 0 Max <= 32.0: 1 Min <= 32.0: 23 Min <= 0.0: 0 Max Rain: 0.16 ON 03/13/21 Days of Rain: 10 (>.01 in) 2 (>.1 in) 0 (>1 in)												

Days of Rain: 10 (>.01 in) 2 (>.1 in) 0 (>1 in) Heat Base: 65.0 Cool Base: 65.0 Method: Integration Appendix **B**

Graphs Showing Performance History for Disposal Cell and Pond 4 LCRS and LDS This page intentionally left blank



U.S. Department of Energy May 2021

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Monticello NPL Sites FFA Quarterly Report: January 1—March 31, 2021 Doc. No. S33836 This page intentionally left blank