

**Monticello, Utah, National
Priorities List (NPL) Sites
Federal Facility Agreement
(FFA) Quarterly Report:
April 1–June 30, 2022**

July 2022



U.S. DEPARTMENT OF
ENERGY

Legacy
Management

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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
PRB	permeable reactive barrier
QAPP	Quality Assurance Project Plan
TSF	Temporary Storage Facility
UDEQ	Utah Department of Environmental Quality
UDOT	Utah Department of Transportation
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 April 1 through June 30, 2022. The MVP and MMTS are 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 through December), May (for January through March), August (for April through June), and November (for 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). 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 this quarter (maintenance was performed on the system that necessitated shutting the system down for brief periods during the reporting period) and pumped approximately 590,000 gallons of water from the AOA.
- Comments from EPA and UDEQ on the *Quality Assurance Project Plan, Monticello, Utah, Disposal and Processing Sites* (LM-Plan-3-21-1.0, LMS/MNT/S27252), also called the QAPP, were addressed during this quarter.

- The previous period's Federal Facility Agreement (FFA) quarterly report was sent to EPA and UDEQ in May 2022.
- LM submitted the draft CERCLA Five-Year Review reports to EPA and UDEQ for review in January 2022. LM received comments from EPA and UDEQ in March 2022 and continued drafting responses during this quarter.
- 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.
- Routine surveillance did not note any anomalous conditions for the MVP remedy.
- Routine surveillance did not note any violations of MMTS ICs that restrict land and groundwater use.
- Routine surveillance did not note any anomalous conditions for the surface features of the disposal cell and Pond 4, the engineered solar evaporation pond.
- Routine surveillance noted no operational deficiencies for the Temporary Storage Facility (TSF).
- A global navigation satellite system base station was installed on the cell cover at the lysimeter to provide data in support of a soil moisture study being conducted by the Applied Studies and Technology group.

2.0 MVP

LTS&M for the MVP consists of providing radiological control at excavations in 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 and UDOT 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.
- Three excavations in the city streets were monitored this quarter. Scans at two of the excavations did not reveal any radioactive contamination. At the third, a small amount of surface soils exposed by Monticello city workers excavating a utility line were scanned and had a radium-226 value greater than 5 picocuries per gram above background. These soils (less than 2 cubic feet) were transported by site personnel to the TSF.

- Neither excessive erosion nor unauthorized excavations were observed at the U.S. Highway 191 embankment at Montezuma Creek (supplemental standards property).
- A surveillance of property MS-00176-VL identified no excessive erosion of supplemental standards material or violation of the land-use restriction on building construction.

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- 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 OUI

OUI 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; 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 the waste remains isolated from the environment.

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

- No area of the repository 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 quarter 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. 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 Section D5.0 of the LTS&M Plan. The leakage rate action level established for the Pond 4 LCRS is 851 gallons per acre per day (gpad) (2000 gallons per day), and the leakage rate action level 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 level this quarter (see Appendix B).
 - Water collection in the Pond 4 LDS remained below the action level (see Appendix B).

3.1.2 TSF

Routine surveillance of the TSF ensures that maintenance and radiological controls that govern access to and 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:

- Approximately 2 cubic feet of soil excavated from a city street is stored in the TSF

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 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 overnight 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 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 (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 2004 covenant 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- 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 and October; the next semiannual sampling event is scheduled for October 2022.

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. A portion of the aquifer is subject to ICs restricting use. Montezuma Creek is used for limited irrigation and livestock watering. There are no ICs restricting surface water use.

The current groundwater remedy includes (1) monitored natural attenuation (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 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).

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 590,000 gallons, equivalent to an average flow rate of 4.50 gallons per minute (gpm). Assuming the concentration of extracted water throughout the quarter was equal to the uranium concentration of the tank effluent on March 2, 2022 (the date of the most recent sample collected), 2.5 pounds of uranium were removed during this quarter.
- During the quarter, the volume of water stored in Pond 4 decreased by approximately 850,000 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 (SOARS) system.

- Cumulatively, the system has removed 27,800,000 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 8.4 and 11.6 pore volumes since system startup.
- From January 2015 through March 2, 2022, the GRO system removed approximately 138 pounds of uranium from the AOA aquifer (Table 2). Estimates of 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 ^a (Millions of Gallons)
April 2022	0.28	6.55	27.5
May 2022	0.22	4.90	27.7
June 2022	0.09	2.04	27.8

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 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 ^c (Pounds)
November 9, 2021	577	2.19	9.8	133
March 2, 2022	510	1.03	4.7	138

Notes:

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

^b Uranium removed since last sampling event. 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

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, LM continued review of a draft Feasibility Study for OU III during this quarter.

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.

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

Activity or Deliverable	Schedule
Recent	
Revising QAPP (LM-Plan-3-21-1.0, LMS/MNT/S27252)	Comments received from EPA March 15, 2022
<i>Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: October 1–December 31, 2021</i> (DOE 2022b)	Submitted to EPA and UDEQ February 2022
<i>Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: October 1–December 31, 2021</i> (DOE 2022b)	Submitted to LM January 24, 2022
Sixth CERCLA Five-Year Reviews for the MVP and MMTS	Submitted to EPA and UDEQ January 26, 2022
<i>Draft Feasibility Study Operable Unit III, Monticello Mill Tailings Site, Monticello, Utah</i>	Submitted to LM March 12, 2022
Near-Term	
<i>Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report January 1–March 31, 2022</i> (DOE 2022a)	Started April 2022

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, 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 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), 2022a. *Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: January 1–March 31, 2022*, LMS/MNT/40611, Office of Legacy Management, April.

DOE (U.S. Department of Energy), 2022b. *Monticello, Utah, National Priorities List (NPL) Sites Federal Facility Agreement (FFA) Quarterly Report: October 1–December 31, 2021*, LMS/MNT/S38141, Office of Legacy Management, January.

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.

Appendix A

Monthly and Quarterly Surveillance Checklists

Monthly Pond 4 Surveillance Checklist

Level of water in Pond 4 7.79

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visible piping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visible liner and anchors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rescue equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat remains at pond.
Evidence of erosion of:			
Top of Pond 4 berm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pond 4 sideslopes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ditches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surrounding area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Seepage from Pond 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overtopping of Pond 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evidence of:			
Vandalism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by humans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accumulation of trash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Additional comments: Things appear to be in good condition.

Monticello LM Representative: Gary L. McKinnon

Digitally signed by Gary L. McKinnon
 Date: 2022.04.29 11:05:29 -06'00'

Date: 4/29/2022

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		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Roads ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Site monuments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Drainage ditches ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Manholes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Evidence of erosion of:			
Top of disposal cell ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Disposal cell sideslopes ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Ditches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Surrounding area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Evidence of:			
Vandalism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Intrusion by livestock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Burrowing animal damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Intrusion by humans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Accumulation of trash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Additional Quarterly Surveillance Requirements

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

Condition of:			
Settlement plate structures	<input type="checkbox"/>	<input type="checkbox"/>	_____
Manholes ^b	<input type="checkbox"/>	<input type="checkbox"/>	_____
Sediment ponds	<input type="checkbox"/>	<input type="checkbox"/>	_____
Evidence of:			
Structural instability	<input type="checkbox"/>	<input type="checkbox"/>	_____

Additional comments: Things appear to be in good condition.

Signature: Gary L. McKinnon
 Digitally signed by Gary L. McKinnon
 Date: 2022.04.29 10:58:53 -06'00'
 Date: 04/29/2022
 Monticello LM Representative

^aInspections required following a significant storm event

^bOpen to inspect quarterly

MONTHLY CLIMATOLOGICAL SUMMARY for APR. 2022

NAME: Monticello CITY: STATE:
 ELEV: 7070 ft LAT: 37° 48' 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	43.0	55.1	4:30p	32.3	7:30a	22.0	0.0	0.00	6.1	28.0	10:00a	NW
2	50.4	61.4	4:30p	39.7	4:00a	14.6	0.0	0.00	7.5	32.0	3:00p	S
3	49.0	54.6	4:30p	44.2	8:30a	16.0	0.0	0.00	6.9	28.0	10:00a	NNW
4	50.3	61.2	5:00p	35.3	7:30a	14.7	0.0	0.00	5.1	24.0	3:00p	SSW
5	50.5	62.2	2:00p	34.8	12:00m	14.5	0.0	0.00	10.8	35.0	5:00p	S
6	36.0	45.1	4:00p	27.7	5:00a	29.0	0.0	0.00	11.6	40.0	2:00p	NW
7	40.9	54.6	5:00p	25.2	3:00a	24.1	0.0	0.00	6.1	24.0	3:30p	WNW
8	49.0	64.6	4:30p	34.3	6:30a	16.0	0.0	0.00	4.7	17.0	3:00p	NNW
9	54.9	67.1	4:00p	38.2	6:00a	10.2	0.1	0.00	10.3	33.0	5:30p	S
10	39.9	54.4	12:30a	33.3	10:30p	25.1	0.0	0.00	9.3	28.0	3:00a	NW
11	47.7	60.1	6:30p	31.2	6:00a	17.3	0.0	0.00	14.1	47.0	2:00p	S
12	31.8	50.3	12:30a	21.1	12:00m	33.2	0.0	0.00	6.9	42.0	3:00a	S
13	29.7	41.5	4:30p	17.3	7:00a	35.3	0.0	0.00	5.3	24.0	12:30p	WNW
14	39.2	52.0	6:00p	23.7	2:30a	25.8	0.0	0.00	6.7	27.0	11:30a	SSE
15	48.4	61.2	3:00p	35.9	3:30a	16.6	0.0	0.00	6.8	39.0	5:00p	S
16	51.4	64.2	5:00p	36.8	6:30a	13.6	0.0	0.00	9.8	36.0	8:00p	S
17	51.1	64.8	5:00p	35.6	3:00a	13.9	0.0	0.00	5.6	28.0	4:30p	SW
18	56.3	70.4	5:00p	41.7	6:30a	9.3	0.6	0.00	7.9	27.0	5:00p	SW
19	57.7	70.4	3:30p	45.2	7:00a	7.9	0.6	0.00	10.7	40.0	3:30p	SSW
20	55.8	67.5	4:30p	38.9	7:00a	9.4	0.2	0.00	7.4	30.0	1:30a	S
21	56.0	68.9	4:30p	41.6	7:00a	9.5	0.5	0.00	12.9	37.0	5:30p	SSE
22	46.4	55.9	12:30a	33.0	11:30p	18.6	0.0	0.09	13.7	45.0	11:30a	S
23	40.0	48.1	3:00p	33.2	10:00p	25.0	0.0	0.00	9.0	27.0	1:00p	WNW
24	38.4	47.6	1:30p	30.3	5:30a	26.6	0.0	0.00	9.3	29.0	2:30p	NW
25	43.9	58.1	4:30p	29.4	6:30a	21.1	0.0	0.00	3.8	23.0	5:30p	SW
26	51.9	68.1	4:00p	34.3	3:00a	13.3	0.2	0.00	8.9	33.0	3:00p	SW
27	56.6	68.1	3:00p	46.0	5:30a	8.8	0.4	0.00	8.2	32.0	2:30p	S
28	54.3	66.1	4:00p	36.8	6:00a	10.7	0.0	0.00	8.4	34.0	4:00p	SSE
29	47.8	56.0	12:30a	37.3	11:30p	17.2	0.0	0.00	10.1	39.0	2:00a	NW
30	48.9	63.6	4:30p	34.2	7:00a	16.1	0.0	0.00	7.0	24.0	3:00a	NNW
	47.2	70.4	18	17.3	13	535.4	2.6	0.09	8.4	47.0	11	S

Max >= 90.0: 0
 Max <= 32.0: 0
 Min <= 32.0: 8
 Min <= 0.0: 0

Max Rain: 0.09 ON 04/22/22

Days of Rain: 1 (>.01 in) 0 (>.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 7.34

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visible piping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visible liner and anchors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rescue equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat remains at pond.
Evidence of erosion of:			
Top of Pond 4 berm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pond 4 sideslopes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ditches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surrounding area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Seepage from Pond 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overtopping of Pond 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evidence of:			
Vandalism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by humans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accumulation of trash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Additional comments: The vegetation is very healthy and things appear to be in good condition.

Monticello LM Representative: Gary L. McKinnon / Digitally signed by Gary L. McKinnon / Date: 2022.05.31 16:00:59 -06'00' / Date: 5/31/2022

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		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Roads ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Site monuments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Drainage ditches ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Manholes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Evidence of erosion of:			
Top of disposal cell ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Disposal cell sideslopes ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Ditches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Surrounding area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Evidence of:			
Vandalism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Intrusion by livestock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Burrowing animal damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Intrusion by humans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Accumulation of trash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Additional Quarterly Surveillance Requirements

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

Condition of:			
Settlement plate structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Manholes ^b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Sediment ponds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Evidence of:			
Structural instability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Additional comments: The vegetation on and around the cell looks very healthy and things appear to be in good condition.

Signature: Gary L. McKinnon

Digitally signed by Gary L. McKinnon
Date: 2022.05.31 16:05:51 -06'00'

Monticello LM Representative

Date: 5/31/2022

^aInspections required following a significant storm event

^bOpen to inspect quarterly

MONTHLY CLIMATOLOGICAL SUMMARY for MAY. 2022

NAME: Monticello CITY: STATE:
 ELEV: 7070 ft LAT: 37° 48' 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	53.0	68.1	4:30p	39.3	7:00a	12.1	0.1	0.00	9.9	37.0	2:00p	SW
2	50.7	64.0	4:00p	37.3	6:00a	14.3	0.0	0.00	8.4	27.0	4:00p	S
3	48.4	61.1	4:00p	32.0	12:00m	16.6	0.0	0.01	12.3	40.0	1:30p	SSE
4	41.2	51.8	6:00p	28.7	7:00a	23.8	0.0	0.00	9.7	27.0	3:30p	NW
5	52.6	67.1	5:30p	35.5	6:00a	12.6	0.2	0.00	4.4	20.0	4:00p	S
6	63.0	77.3	6:00p	45.1	6:30a	5.3	3.2	0.00	8.1	29.0	2:00p	S
7	64.2	76.8	4:00p	48.8	6:30a	3.8	3.0	0.00	12.5	37.0	12:30p	S
8	60.5	71.5	3:30p	44.7	6:30a	5.5	1.0	0.00	15.9	47.0	3:30p	S
9	55.1	64.3	4:30p	45.4	6:30a	9.9	0.0	0.00	14.0	42.0	12:30a	S
10	57.3	69.2	5:30p	44.3	6:30a	8.3	0.6	0.00	16.1	39.0	1:00p	S
11	58.3	69.0	3:00p	48.8	5:30a	7.3	0.6	0.00	16.5	43.0	5:00p	S
12	47.1	60.2	4:30p	32.1	6:30a	17.9	0.0	0.00	7.9	54.0	4:00p	S
13	53.9	67.8	3:30p	37.7	2:00a	11.4	0.3	0.00	4.6	20.0	4:30p	WSW
14	61.9	76.7	4:30p	45.6	6:30a	6.4	3.3	0.00	4.9	26.0	4:00p	WSW
15	66.4	81.0	4:30p	51.9	6:00a	3.8	5.3	0.00	5.5	25.0	4:00p	WSW
16	66.6	78.0	4:30p	54.9	3:00a	2.2	3.8	0.00	7.8	25.0	10:30a	S
17	66.5	79.6	5:30p	50.4	6:00a	3.1	4.6	0.00	4.8	20.0	12:00m	SW
18	64.9	76.9	3:00p	52.3	6:00a	3.8	3.6	0.00	9.4	28.0	3:30p	WNW
19	67.9	77.6	4:30p	55.5	4:00a	1.9	4.7	0.00	10.3	34.0	4:30p	SSW
20	48.6	63.0	1:30a	40.0	12:00m	16.4	0.0	0.00	11.7	32.0	12:30p	NNW
21	47.5	59.9	5:00p	32.8	6:30a	17.5	0.0	0.00	6.9	19.0	2:30p	WNW
22	56.1	66.6	2:00p	42.9	6:00a	8.9	0.0	0.00	7.2	29.0	11:00a	WNW
23	52.1	60.8	3:00p	45.4	12:00m	12.9	0.0	0.00	12.1	29.0	3:30a	WNW
24	52.9	62.4	6:30p	41.3	6:00a	12.1	0.0	0.00	12.8	35.0	5:30p	NW
25	56.6	69.6	5:30p	41.5	6:00a	9.1	0.7	0.00	8.8	26.0	4:00p	NW
26	66.5	81.0	3:00p	47.1	6:30a	4.1	5.6	0.00	4.5	21.0	3:30p	WSW
27	69.3	81.1	3:30p	53.4	6:00a	1.9	6.2	0.00	7.6	27.0	3:00p	SW
28	66.5	75.9	2:00p	56.3	7:00a	1.8	3.3	0.00	9.5	32.0	12:00p	S
29	56.4	69.2	1:00p	42.8	9:30p	9.0	0.4	0.00	13.0	38.0	3:30p	NW
30	48.4	61.3	4:30p	35.1	6:30a	16.6	0.0	0.00	7.9	33.0	1:00a	WNW
31	51.4	63.5	5:30p	35.8	4:30a	13.7	0.0	0.00	5.3	18.0	5:30p	NNW

	57.2	81.1	27	28.7	4	294.0	50.5	0.01	9.4	54.0	12	S

Max >= 90.0: 0
 Max <= 32.0: 0
 Min <= 32.0: 2
 Min <= 0.0: 0
 Max Rain: 0.01 ON 05/03/22
 Days of Rain: 0 (>.01 in) 0 (>.1 in) 0 (>1 in)
 Heat Base: 65.0 Cool Base: 65.0 Method: Integration

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:

There is no radiologically contaminated material in the concrete bin.


 Signature of Monticello LM Representative

5/27/2022
 Date of Inspection

MONTHLY CLIMATOLOGICAL SUMMARY for JUN. 2022

NAME: Monticello CITY: STATE:
 ELEV: 7070 ft LAT: 37° 48' 00" N LONG: 109° 18' 00" W

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

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	SPEED		DIR
1	58.6	72.5	5:30p	45.9	6:30a	7.7	1.2	0.00	9.8	25.0	3:00a	WNW
2	64.2	78.5	3:30p	47.8	5:00a	5.2	4.3	0.00	5.3	27.0	3:30p	WSW
3	66.3	78.4	4:30p	53.2	2:30a	2.7	4.0	0.00	7.5	32.0	2:00p	S
4	67.7	77.4	4:00p	52.2	6:30a	1.8	4.5	0.00	7.6	29.0	1:00p	SW
5	69.2	77.3	5:00p	62.0	7:00a	0.4	4.5	0.00	6.3	24.0	11:30a	WNW
6	68.7	79.9	5:00p	56.4	6:30a	1.5	5.2	0.00	4.5	23.0	7:00p	NW
7	71.5	84.3	5:00p	56.4	6:00a	1.5	8.1	0.00	5.7	25.0	6:30p	WNW
8	73.6	87.2	4:30p	58.1	6:30a	0.7	9.3	0.00	5.8	22.0	7:00p	WNW
9	75.6	89.0	4:30p	60.1	6:30a	0.3	10.9	0.00	8.1	24.0	10:30a	S
10	77.9	91.0	4:30p	60.4	5:30a	0.5	13.4	0.00	6.3	27.0	1:30p	WSW
11	78.3	90.1	1:00p	61.1	5:30a	0.1	13.4	0.00	6.4	32.0	3:00p	SSW
12	76.0	87.3	3:00p	62.6	7:00a	0.2	11.1	0.00	9.3	40.0	3:00p	S
13	72.4	84.7	5:00p	55.7	6:30a	1.0	8.5	0.00	13.4	48.0	2:30p	S
14	64.4	75.4	5:00p	51.3	6:30a	3.5	2.9	0.00	10.0	28.0	3:30p	NW
15	66.3	81.8	5:00p	51.5	3:30a	3.8	5.1	0.00	6.4	21.0	11:00a	WNW
16	73.6	88.0	6:00p	56.7	6:00a	1.9	10.6	0.00	6.8	28.0	4:00p	WSW
17	74.5	84.8	5:30p	63.1	6:00a	0.1	9.6	0.00	9.7	35.0	11:00p	SE
18	62.5	77.0	12:30p	55.2	8:00p	4.1	1.7	0.45	8.8	30.0	12:30p	SSE
19	62.8	75.9	4:00p	54.3	11:00p	4.6	2.4	0.01	12.9	41.0	5:30p	SE
20	61.5	74.3	4:00p	46.8	6:00a	5.9	2.5	0.00	5.9	25.0	1:00p	SE
21	67.0	81.3	3:30p	48.9	6:00a	4.0	6.1	0.00	4.5	21.0	2:30p	W
22	64.2	77.1	2:00p	56.4	12:00m	2.7	1.9	0.00	7.4	29.0	2:30p	S
23	63.3	75.3	1:00p	54.3	3:30a	3.1	1.4	0.05	6.0	24.0	12:30p	SSE
24	65.3	75.8	7:00p	56.2	2:30a	2.4	2.8	0.11	4.0	24.0	12:00p	SE
25	70.0	80.1	6:00p	56.9	5:30a	1.6	6.7	0.00	5.3	37.0	2:30p	WSW
26	62.9	70.1	1:30p	55.7	10:00p	2.5	0.4	0.04	5.9	18.0	9:00a	S
27	66.2	81.3	5:30p	48.0	5:00a	4.0	5.2	0.00	4.9	17.0	2:30p	SSE
28	69.7	82.4	3:30p	60.4	6:00a	0.8	5.5	0.00	6.7	20.0	7:30a	S
29	73.0	86.0	4:30p	63.2	6:30a	0.2	8.2	0.00	8.6	24.0	2:00p	SSE
30	69.9	78.5	5:00p	61.8	6:00a	0.4	5.3	0.00	5.3	25.0	1:00p	WNW

	68.6	91.0	10	45.9	1	69.2	176.7	0.66	7.2	48.0	13	S

Max >= 90.0: 2
 Max <= 32.0: 0
 Min <= 32.0: 0
 Min <= 0.0: 0
 Max Rain: 0.45 ON 06/18/22
 Days of Rain: 4 (>.01 in) 2 (>.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 6.91

Inspection Item	Acceptable		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mowed and sprayed this month.
Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Two rad-signs were replaced.
Visible piping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Visible liner and anchors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rescue equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat remains at pond.
Evidence of erosion of:			
Top of Pond 4 berm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mowed and sprayed this month.
Pond 4 sideslopes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ditches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surrounding area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Seepage from Pond 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overtopping of Pond 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evidence of:			
Vandalism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by humans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accumulation of trash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Additional comments: Two sections of rad-rope and two rad-signs were replaced other than that things appear to be in good condition.

Monticello LM Representative: Gary L. McKinnon Digitally signed by Gary L. McKinnon Date: 2022.06.30 08:16:40 -06'00' Date: 6/30/2022

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		Comments and Recommendation
	Yes	No	
Condition of:			
Fences, gates, and locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Repaired north east corner of repository fence.
Roads ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mowed and sprayed this month.
Signs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site monuments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Drainage ditches ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Manholes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evidence of erosion of:			
Top of disposal cell ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Disposal cell sideslopes ^a	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ditches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surrounding area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evidence of:			
Vandalism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by livestock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Burrowing animal damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Intrusion by humans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Accumulation of trash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Additional Quarterly Surveillance Requirements

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

Condition of:			
Settlement plate structures	<input type="checkbox"/>	<input type="checkbox"/>	
Manholes ^b	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment ponds	<input type="checkbox"/>	<input type="checkbox"/>	
Evidence of:			
Structural instability	<input type="checkbox"/>	<input type="checkbox"/>	

Additional comments: Other than one fence repair things appear to be in good condition.

Signature: Gary L. McKinnon
 Digitally signed by Gary L. McKinnon
 Date: 2022.06.30 08:19:15 -06'00'
 Date: 6/30/2022
 Monticello LM Representative

^aInspections required following a significant storm event

^bOpen to inspect quarterly

Appendix B

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

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

