

Appendix K

MMTS and MVP Site Inspection Checklists

MMTS Annual Inspection Checklist

MMTS Annual Inspection Checklist

I. MMTS Site Information	
Site name: Monticello Mill Tailings (USDOE) Site; Operable Units I, II, and III	Date of inspection:
Site Location: Monticello, Utah: EPA Region 8	EPA ID: UT 3890090035
Lead Agency: U.S. Department of Energy Office of Legacy Management (DOE-LM)	
PCOR Date: September 2004	
Operational and Functional Date: September 29, 2004 (construction complete date)	
NPL Deletion Date: 2045 (projected time for ground water and surface water restoration)	
Partial Deletion: October 13, 2003 (deletion of properties not impacted by surface water and ground water contamination).	
Current Year O&M Budget:	
<u>MMTS Inspection Components/Facilities</u>	
<ol style="list-style-type: none"> 1. DOE-Owned Property: Repository Site <ul style="list-style-type: none"> • Access Controls (fencing, gates, signage) • Disposal Cell (vegetated cover, settlement plates, erosion controls/drains, sediment ponds) • Leachate Management System (pumping and monitoring equipment, telemetry system, solar evaporation pond) • Temporary Storage Facility (temporary storage of radiologically contaminated material encountered in city street and utility excavations) • Information repository and record keeping/documentation • DOE LM Field Office 2. City-Owned Properties with Institutional Controls <ul style="list-style-type: none"> • Deed restrictions to limit land use on supplemental and non-supplemental standards properties transferred to City of Monticello from DOE • Special Zoning (Overlay Zone OL-1) for property MP-00211-VL (radiological controls incorporated into building permit process) • Ground water use restriction (conditional with land transfer for properties overlying the shallow aquifer) • Cooperative Agreement (control of radiologically contaminated material encountered beneath City streets and in utility corridors) 3. Private-Owned Properties with Institutional Controls <ul style="list-style-type: none"> • Land use restrictions on supplemental standards properties along Montezuma Creek • Ground water use restrictions (administered by State Engineer Office to disallow use of contaminated ground water within the Groundwater Management Area) 4. Other <ul style="list-style-type: none"> • OU III ground water and surface water monitoring network • DOE-operated ground water treatment systems (permeable reactive barrier and ex-situ treatment cells) <p style="text-align: center;">See attached maps for the location of site inspections features identified in this checklist</p>	

MMTS Annual Inspection Checklist

II. Annual Inspection Preparation

DOE has conducted annual inspections at the MMTS and MVP since 2001, and CERCLA 5-year reviews since 1997. The CERCLA 5-year reviews are required by statute when (1) “upon completion of the remedial action, hazardous substances, pollutants, or contamination will remain on site, and (2) when the ROD was signed on or after October 17, 1986 (the effective date of SARA) and the remedial action was selected under CERCLA §121. The MMTS and MVP NPL sites meet both of these conditions. Currently, there is no provision for discontinuation of 5-year reviews. The MMTS and MVP inspections and reviews are conducted concurrently.

Annual inspections are performed by DOE-LM to identify and correct potential deficiencies in LTS&M operations at an early stage. DOE-LM performs these inspections and reviews with the objective of ensuring that the selected remedies remain protective of human health and the environment. Annual inspections performed by DOE-LM are designed to

- Ensure that routine surveillance, maintenance, and monitoring is adequate at the Monticello NPL sites.
- Ensure that institutional controls remain relevant and effective.
- Evaluate the condition of areas of special concern (e.g., disposal cell cover, monitoring wells, drainage controls, PRB, vegetative restoration).
- Identify LTS&M deficiencies and recommend corrective action.
- Provide data for CERCLA 5-year reviews (**Note:** the annual inspection immediately preceding the 5-year report period is conducted within 6 months of the submittal date for the CERCLA 5-year review report.)

The Site Manager will appoint a Chief Inspector to plan and conduct the annual inspection and to prepare the annual inspection report. The annual inspection is generally scheduled in September to coincide with the FFA biannual meeting and at a time that is seasonally advantageous to field work. Annual field inspections review the work performed on-site by the Monticello LM Representative in the past year and document current site conditions by qualified team. The procedure for conducting annual site inspections at the Monticello NPL sites is detailed in Section 6.0 of *Long-Term Surveillance and Maintenance Plan for the Monticello NPL Sites* (June 2007, Rev. 0).

The following tasks were completed in preparing for the current MMTS annual inspection:

	Y	N
Review previous site inspection reports, recent FFA quarterly reports, and any maintenance or corrective action performed over the past year.	<input type="checkbox"/>	<input type="checkbox"/>
Review recent OU III water quality data for concentration trends and extent of contamination.	<input type="checkbox"/>	<input type="checkbox"/>
Schedule the site inspection. Notify EPA and UDEQ at least 2 weeks prior to the site visit and invite their participation.	<input type="checkbox"/>	<input type="checkbox"/>
Team members are provided with background information, site maps, and inspection checklists.	<input type="checkbox"/>	<input type="checkbox"/>
Contact the State Engineer’s Office for information on water well permit applications within or near the Ground Water Management Area during the past year.	<input type="checkbox"/>	<input type="checkbox"/>
Verify the names and telephone numbers of the parties with whom access or notification agreements have been executed.	<input type="checkbox"/>	<input type="checkbox"/>
Verify the key contact information listed in Section 6.1 of the LTSM Plan.	<input type="checkbox"/>	<input type="checkbox"/>

MMTS Annual Inspection Checklist

III. Inspection Team Members

Inspection team contact information.

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Name _____ **Affiliation** _____

_____ Phone _____ E-mail _____

Other inspection participants or interviewees may include: US EPA RPM, UDEQ RPM, National Park Service, Fish and Wildlife Service, Utah State Engineer's Office, City of Monticello (refer to LTSM Plan Section 6.1 for additional contact and notification information).

MMTS Annual Inspection Checklist

IV. Interviews (attach additional sheets as needed)

1. On-site LM Representative _____
Name Date

Summary/problems/ suggestions: _____

2. On-site LM Representative _____
Name Date

Summary/problems/ suggestions: _____

MMTS Annual Inspection Checklist

5. Record Books (refer to LTSM Plan Appendix B for record book management and entry protocol)

Repository Site Record Book

(all routine and non-routine daily activities
maintaining/operating the repository site, cell cover,
LCRS and LDS systems, and Pond 4)

TSF Record Book

(refer to LTSM Plan Section 3.4 for
TSF Record Book entries/content)

City-Owned Properties Record Book

(refer to LTSM Plan Section 4.4
for record book entry information)

Private Property Restricted Areas Record Book

(refer to LTSM Plan Section 4.4
for record book entry information)

Record book entries/documentation

satisfactory
 unsatisfactory

6. Surveillance Checklists and Records

Pond 4 LCRS and LDS Monitoring Records

Repository LCRS and LDS Monitoring Records

Meteorological Monitoring Data

TSF Access/Security Logs

Monthly Repository Surveillance Checklists

Quarterly Repository Surveillance Checklists

Monthly Pond 4 Surveillance Checklists

7. DOE/City Cooperative Agreement

Expiration date _____

8. Zoning Restriction—Overlay Zone OL-1

Restriction is verified as current through City for property MP-00211-VL

MMTS Annual Inspection Checklist

VI. Repository Inspection

A. Access Area

1. Site Access Sign and Emergency Notification Information

General Condition is: Satisfactory Repairs/Maintenance Needed

Describe condition/repairs needed _____

2. Field Office

General Condition is: Satisfactory Repairs/Maintenance Needed

Describe condition/repairs needed _____

3. Temporary Storage Facility

General Condition is: Satisfactory Repairs/Maintenance Needed

Bin Cover functional Bin Cover Not Functional

Approximate volume of bin contents _____ cubic yards

TSF appropriately posted TSF not appropriately posted

Drums and secondary containment available and in good condition

Drums and secondary containment not available or not in good condition

Describe repairs needed or deficiencies _____

MMTS Annual Inspection Checklist

4. Vandalism/trespassing

Not evident Evident (locate on map)

Describe evidence _____

B. Repository Perimeter

1. Outer Fencing and Gates

Physical Condition is: Satisfactory Repairs/Maintenance Needed

Describe repairs needed (locate on map) _____

2. Signs

40 numbered reference signs and posts in place and in good condition
 Repair/replacement needed at sign(s) _____

3. South Boundary Markers

All six markers located Marker(s) _____ not located

4. Erosion/Gullying

Not evident Evident (locate on map)

Describe _____

MMTS Annual Inspection Checklist

5. Vegetation

- Not excessive Excessive growth (locate on map)

Describe _____

6. Land use changes on adjoining property

- No change Change

Describe change and impact _____

7. Vandalism/trespassing

- Not evident Evident (locate on map)

Describe evidence _____

C. Sediment Retention Ponds

Sediment Pond A

1. Siltation

- Not excessive Excessive (locate on map)

Describe _____

MMTS Annual Inspection Checklist

2. Berm Erosion

Not evident Erosion evident (locate on map)

Describe _____

3. Outlet

Functional Maintenance or repair required

Describe _____

4. Dam

Functional Need maintenance or repair

Describe _____

5. Vegetation

Does not impede flow Impedes flow

Describe _____

MMTS Annual Inspection Checklist

Sediment Pond B

1. Siltation

- Not excessive Excessive (locate on map)

Describe _____

2. Berm Erosion

- Not evident Erosion evident (locate on map)

Describe _____

3. Outlet

- Functional Maintenance or repair required

Describe _____

4. Dam

- Functional Need maintenance or repair

Describe _____

MMTS Annual Inspection Checklist

5. Vegetation

Does not impede flow Impedes flow

Describe _____

6. Fence and Gate

Physical Condition is: Satisfactory Unsatisfactory

Describe repairs needed (locate on map) _____

Sediment Pond C

1. Siltation

Not excessive Excessive (locate on map)

Describe _____

2. Berm Erosion

Not evident Erosion evident (locate on map)

Describe _____

MMTS Annual Inspection Checklist

3. Outlet

Functional Maintenance or repair required

Describe _____

4. Dam

Functional Need maintenance or repair

Describe _____

5. Vegetation

Does not impede flow Impedes flow

Describe _____

D. Repository Run-Off/Run-On Controls (North and East Toe Drains; South and West Drain Ditches)

1. Settlement Not evident Evident (locate on map)

Describe _____

2. Material Degradation Not evident Evident (locate on map)

Describe _____

MMTS Annual Inspection Checklist

3. Erosion/gullies

Not evident

Evident (locate on map)

Describe _____

4. Siltation

Not evident

Evident (locate on map)

Describe _____

5. Obstructions

Not evident

Evident (locate on map)

Describe _____

6. Excessive Vegetation

Not evident

Evident (locate on map)

Describe _____

MMTS Annual Inspection Checklist

E. Pond 4

1. Perimeter Fence and Access Gate

Physical Condition is: Satisfactory Unsatisfactory

Describe repairs needed (locate on map) _____

2. Erosion/Biointrusion of Pond Berm Not evident Evident (locate on map)

Describe _____

3. Safety Equipment

Pond barrier rope intact Yes No

Personal floatation device posting is present
and visible Yes No

PFD storage container appropriately marked
and in good condition Yes No

PFDs accessible, in good condition,
and appropriately sized Yes No

Describe _____

4. Pond 4 LCRS and LDS Electrical Housing/Surface Installations

Physical condition is: Satisfactory Unsatisfactory

Describe _____

MMTS Annual Inspection Checklist

5. **Liner** Holes/cracks/tears not evident Holes/cracks/tears evident (locate on map)

Describe _____

6. **Liner Anchors** Intact Not intact

Describe _____

7. **Siltation and Vegetation in Pond 4** Not evident Evident (locate on map)

Describe/observations _____

8. **Pond 4 Water Level**

Estimated water depth is _____ ft

Describe area of ponding _____

9. **Vandalism** Not evident Evident (locate on map)

Describe _____

MMTS Annual Inspection Checklist

F. Repository Cover Inspection

1. Top Perimeter Road and Road to Pond 4

Condition of roads: Satisfactory Unsatisfactory (locate on map)

Describe _____

2. Interior Wildlife Fence and Wildlife Gates

Physical Condition is: Satisfactory Unsatisfactory

Wildlife Gates are: Open Closed

Describe repairs needed (locate on map) _____

3. Cover Vegetation

- | | |
|--|--|
| <input type="checkbox"/> Trees not present | <input type="checkbox"/> Trees present (indicate size, type and locate on map) |
| <input type="checkbox"/> Plant stress not evident | <input type="checkbox"/> Plant stress evident |
| <input type="checkbox"/> Barren areas not present | <input type="checkbox"/> Barren areas present (locate on map) |
| <input type="checkbox"/> Plant damage not evident | <input type="checkbox"/> Plant damage evident |
| <input type="checkbox"/> Noxious weeds not present | <input type="checkbox"/> Noxious weeds present (indicate type and locate on map) |

Describe observations _____

MMTS Annual Inspection Checklist

4. Rip-Rap Armoring

- | | |
|---|---|
| <input type="checkbox"/> Slumping/sliding not evident | <input type="checkbox"/> Slumping/sliding evident (locate on map) |
| <input type="checkbox"/> Rock deterioration not evident | <input type="checkbox"/> Rock deterioration evident (locate on map) |

Describe observations_____

5. Settlement/Desiccation/Erosion/Gullies

- | | |
|---|---|
| <input type="checkbox"/> Settlement depressions not evident | <input type="checkbox"/> Settlement depressions evident (locate on map) |
| <input type="checkbox"/> Desiccation cracking not evident | <input type="checkbox"/> Desiccation cracking evident (locate on map) |
| <input type="checkbox"/> Erosion/gullies not evident | <input type="checkbox"/> Erosion/gullies evident (locate on map) |

Describe observations_____

6. Holes/Burrows/Biointrusion

- | | |
|---|---|
| <input type="checkbox"/> Holes/burrows/biointrusion not evident | <input type="checkbox"/> Holes/burrows/biointrusion evident (locate on map) |
|---|---|

Describe observations_____

7. Seepage/Ponding

- | | |
|--|--|
| <input type="checkbox"/> Seepage not evident | <input type="checkbox"/> Seepage evident (locate on map) |
| <input type="checkbox"/> Ponding not evident | <input type="checkbox"/> Ponding evident (locate on map) |
| <input type="checkbox"/> Soft subgrade not evident | <input type="checkbox"/> Soft subgrade evident (locate on map) |
| <input type="checkbox"/> Phreatophytes not present | <input type="checkbox"/> Phreatophytes present (locate on map) |

Describe observations_____

MMTS Annual Inspection Checklist

G. Cover Penetrations

1. Manholes 1 and 3 (LCRS and LDS access vaults. Caution: confined space entry requirements in effect)

- | | | | | |
|---|--------------------------|-----|--------------------------|----|
| Covers secure and operable | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Exterior pump access ports are undamaged | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Evidence of leakage into vaults | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Evidence of drainage through cover penetrations | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Telemetry surface installations in good condition | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Vaults are posted as confined-spaces | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

Describe observations _____

2. Manholes 2, 4, and 5 (Caution: permit-required confined spaces; no serviceable equipment in Manholes 2, 4, and 5)

- | | | | | |
|---|--------------------------|-----|--------------------------|----|
| Covers secure and operable | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Evidence of drainage through cover penetrations | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Manholes are posted as confined-spaces | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

Describe observations _____

3. LCR Video Ports

- | | | | | |
|---|--------------------------|-----|--------------------------|----|
| Covers secure and operable | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Evidence of drainage through cover penetrations | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

Describe observations _____

4. Settlement Monuments (A to I)

- | | | | | |
|-------------------------------|--------------------------|-----|--------------------------|----|
| Surface completions undamaged | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Inner plates undamaged | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

Describe observations _____

5. Embedded Lysimeter

- | | | | | |
|---|--------------------------|-----|--------------------------|----|
| Evidence of seepage at outlet | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Instrumentation installations undamaged | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Evidence of drainage along cover penetrations | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| Telemetry surface installations in good condition | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

Describe observations _____

MMTS Annual Inspection Checklist

VIII. City-Owned Properties Inspection

A. City-Owned Properties Transferred from DOE

City-owned properties transferred from DOE are:

MP-00181	MP-00391	MP-00893	MP-01040 (North Portion)
MP-01041	MP-01042	MP-01077	

Restrictions applicable to each property are:

Recreational day use	No overnight camping	No habitable structures
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Soil removal is prohibited on properties:

MP-00391	MP-01041	MP-01077
----------	----------	----------

Installation of water supply wells in the shallow aquifer is prohibited on properties:

MP-00181	MP-00893	MP-01077
----------	----------	----------

Damage to wetlands is prohibited on properties:

MP-00181	MP-00893
----------	----------

Note: In addition, to the land-use restrictions identified above, the transferred properties are to be inspected for evidence of vandalism, land use changes on and surrounding the property, and the condition of the drainage and runoff control structures. The drainage and runoff control structures are identified on Figure K-2. These features include all identified riprap armored structures, all identified dams, check dams and berms, and all runoff control drainages (ditches) along the north and south margins of the former millsite and along the former haul road (property MP-01077 Phase I).

General Inspection Findings

	Property											
	181		391		893		1040		1042		1077	
	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
Accessible to public	<input type="checkbox"/>											
Evidence of camping	<input type="checkbox"/>											
Habitable structure	<input type="checkbox"/>											
Gullies/erosion	<input type="checkbox"/>											
Runoff/drainage controls intact and in good repair (see note above)	<input type="checkbox"/>											
Land use changes	<input type="checkbox"/>											
Evidence of vandalism	<input type="checkbox"/>											

Comment/observations/concerns _____

MMTS Annual Inspection Checklist

B. City-Owned Property MP-00211-VL

Monticello zoning district Overlay Zone (OL-1) requires radiological scanning of the footprint of a habitable structure through a special building permit. Radiological material is removed to the TSF.

	Yes	No	N/A
Evidence of excavation or construction	<input type="checkbox"/>	<input type="checkbox"/>	
Excavation or construction is in violation of OL-1 (confirm with on-site LM representative)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Violation has been reported (confirm with on-site LM representative)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiological contamination was encountered (confirm with on-site LM representative)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiological contamination was appropriately managed (confirm with on-site LM representative)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Corrective action required	<input type="checkbox"/>	<input type="checkbox"/>	

Comment _____

MMTS Annual Inspection Checklist

VIII. Montezuma Creek Soil and Sediment Properties

The Montezuma Creek Soil and Sediment Properties are:

MP-00951-VL	MP-00990-CS	MP-01084-VL	MG-01026-VL
MG-01027-VL	MG-01029-VL	MG-01030-VL	MG-01033-VL

Restrictions applicable to each property are:

No habitable structures within the restricted area (floodplain of Montezuma Creek; refer to Plates 2 and 3 in the LTSM Plan for boundary of restricted area).

No removal of soil from the restricted area (floodplain of Montezuma Creek; refer to Plates 2 and 3 in the LTSM Plan for boundary of restricted area).

Inspection Findings

- | | | | |
|---|------------------------------|-----------------------------|------------------------------|
| Evidence of habitable structures within the restricted area | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Evidence of soil removal from the restricted area | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Land use or ownership has changed
(confirm with on-site LM representative) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Land owners are aware of use restrictions
(confirm with on-site LM representative) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Violations have reported
(confirm with on-site LM representative) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Corrective action required | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |

Comment _____

MMTS Annual Inspection Checklist

X. OU III Monitoring Wells and Water Treatment Systems

A. Monitoring well surface completions

	Yes	No
Monitoring locations/map verified in current monitoring plan and LTSM plan prior to field inspection	<input type="checkbox"/>	<input type="checkbox"/>
Well identification labels in good condition	<input type="checkbox"/>	<input type="checkbox"/>
Outer casing or flush mount vault intact	<input type="checkbox"/>	<input type="checkbox"/>
Wells are locked/flush mount well lids secured	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring wells are in working condition (confirm with water sampling teams)	<input type="checkbox"/>	<input type="checkbox"/>

List necessary repairs or well deficiencies _____

B. Permeable Reactive Barrier (PRB) and Auxiliary Treatment Cells and Infiltration Trench

	Yes	No
Physical components in satisfactory condition (electrical panel, antenna, fence enclosure, vault access)	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of ponded water or saturated soil	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of surface disturbance	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of stressed vegetation	<input type="checkbox"/>	<input type="checkbox"/>

Comment _____

MMTS Annual Inspection Checklist

XI. Photo Log		
Date/Time	Feature Photographed	Description include reference to direction and checklist item or logbook page for additional information

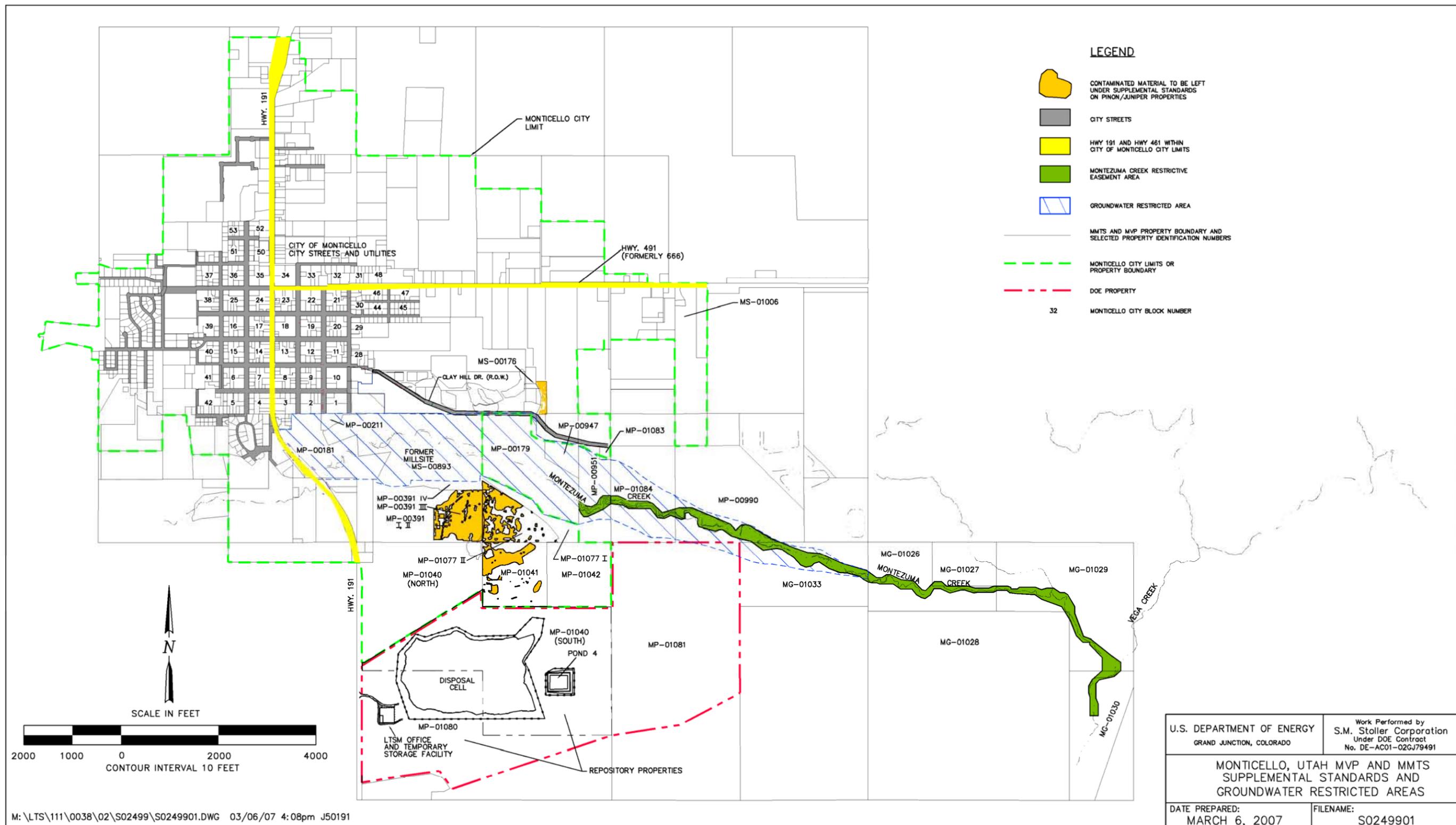


Figure K- 1. MMTS and MVP Supplemental Standards and Ground Water Restricted Areas

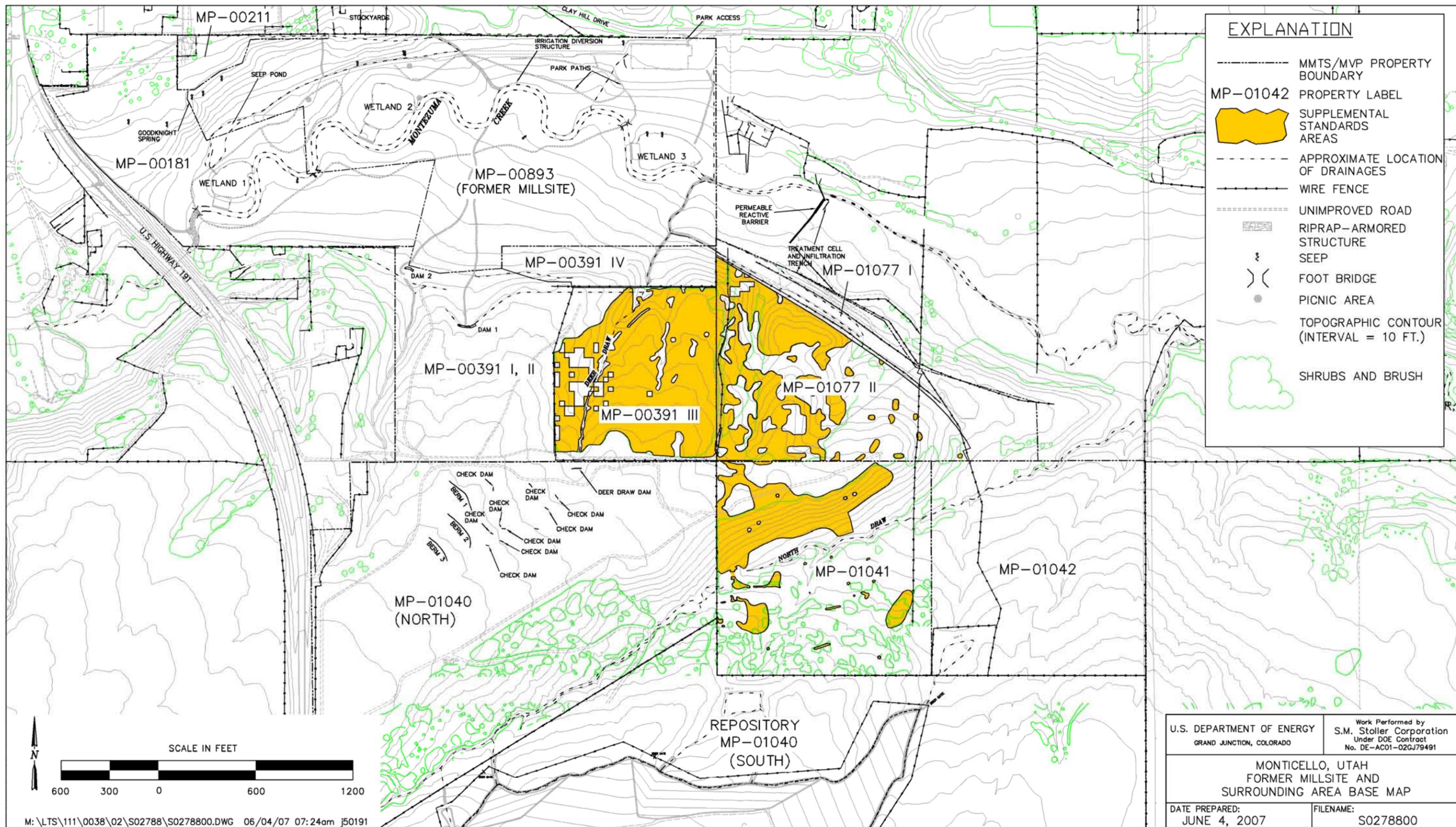


Figure K-2. Monticello, Utah, Former Millsite and Surrounding Area Base Map

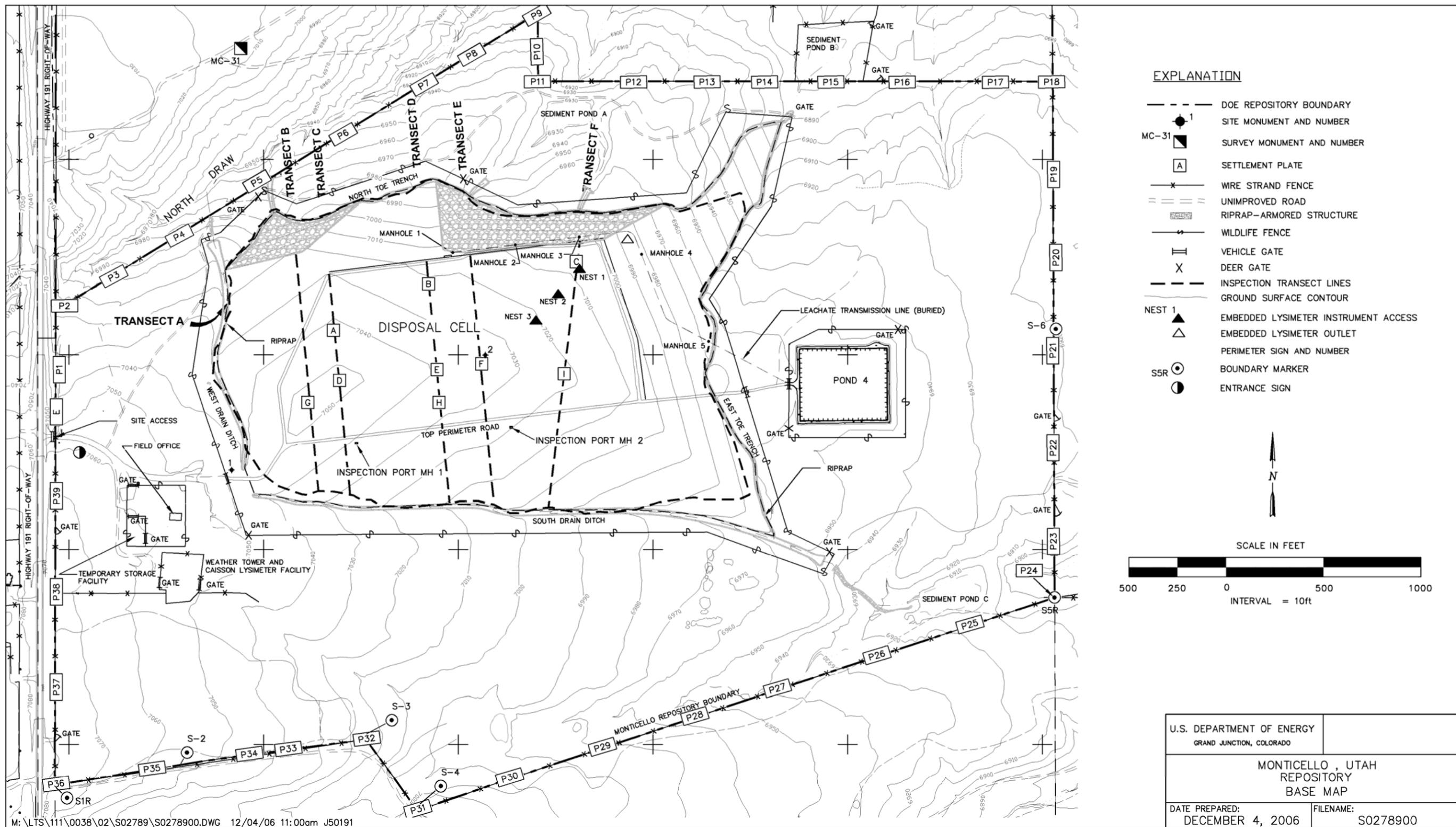


Figure K-3. Monticello, Utah, Repository Base Map

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MVP Annual Inspection Checklist

MVP Annual Inspection Checklist

I. MVP Site Information	
Site name: Monticello Radioactively Contaminated Properties (also known as Monticello Vicinity Properties [MVP])	Date of inspection:
Site Location: Monticello, Utah: EPA Region 8	EPA ID: UTD 980667208
Lead Agency: U.S. Department of Energy Office of Legacy Management	
PCOR Date: September 2, 1999	
Operational and Functional Date: December 1998 (construction complete date)	
NPL Deletion Date: February 28, 2000	
Current Year O&M Budget:	
<p style="text-align: center;"><u>MVP Inspection Components/Facilities</u></p> <p>Residual radiological contamination resides in utility corridors in Monticello, beneath city streets, and in the rights-of-way and beneath state Highways 191 and 491.</p> <p>As part of the MVP remedy, institutional controls have been implemented to manage and control radiological contamination encountered during road and utility construction or repair.</p> <p>In addition, a special zoning ordinance and building permit restriction was adopted to manage and control radiological contamination left in place on supplemental standards property MS-00176-VL.</p> <p style="text-align: center;">See attached map for the location of site inspections features identified in this checklist</p>	

MVP Annual Inspection Checklist

II. Inspection Team Members

Inspection team contact information.

Name _____ **Affiliation** _____

_____ **Phone**

_____ **E-mail**

Other inspection participants or interviewees may include: US EPA RPM, UDEQ RPM, UDOT Local Office, City of Monticello (refer to LTSM Plan Section 6.1 for additional contact and notification information).

MVP Annual Inspection Checklist

III. Annual Inspection Preparation

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The following tasks were completed in preparing for the current MVP annual inspection:

	Y	N
Review previous site inspection reports, recent FFA quarterly reports, and any maintenance or corrective action performed over the past year.	<input type="checkbox"/>	<input type="checkbox"/>
Schedule the site inspection. Notify EPA and UDEQ at least 2 weeks prior to the site visit and invite their participation.	<input type="checkbox"/>	<input type="checkbox"/>
Team members are provided with background information, site maps, and inspection checklists.	<input type="checkbox"/>	<input type="checkbox"/>
Verify the names and telephone numbers of the parties with whom access or notification agreements have been executed.	<input type="checkbox"/>	<input type="checkbox"/>
Verify the key contact information listed in Section 6.1 of the LTSM Plan.	<input type="checkbox"/>	<input type="checkbox"/>
Verify annual contact with UDOT regarding planned highway projects in Monticello for the current UDOT fiscal year.	<input type="checkbox"/>	<input type="checkbox"/>
Verify regular contact with City of Monticello regarding planned or unplanned excavations in Monticello.	<input type="checkbox"/>	<input type="checkbox"/>

MVP Annual Inspection Checklist

3. City of Monticello

Name

Date

Summary/problems/ suggestions: _____

4. UDOT

Name

Date

Summary/problems/ suggestions: _____

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5. Other

Name

Date

Summary/problems/ suggestions: _____

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V. Administrative and Records Inspection					
	Readily Available		Current		
	Y	N	Y	N	
1. General LTS&M Documents					
LTSM Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LM Health and Safety Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Site Specific Emergency Response Information (in LTSM Plan)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LM CERCLA Site QA Plan and Monticello Site Specific Section	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. LTS&M Training Records					
On-site Employees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
City Workers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Administrative Record Collections					
MMTS/MVP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Information Repository					
On-site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grand Junction Office	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Record Books					
Public Roads and Utilities Record Book	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Documentation/recordkeeping requirements met	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
Information readily traced to updated drawings	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
Radiological scan information for eroded/excavated material recorded	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
Entries include TSF transfers	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	<input type="checkbox"/> N/A
Entries include information on stockpiled material and follow-up scan results, as applicable	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	<input type="checkbox"/> N/A
Hwy 191/491 entries include information on scan results and material returned to the excavation	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	<input type="checkbox"/> N/A
Storm event surveys documented	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	<input type="checkbox"/> N/A
10. Radiological As-Built Drawings					
Readily available and current	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
Drawing updated annually	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
Documentation/recordkeeping requirements met	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
Radiological scan information recorded	<input type="checkbox"/>	satisfactory	<input type="checkbox"/>	unsatisfactory	
6. Agreements					
DOE/UDOT Memorandum of Understanding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Zoning Restriction—Overlay Zone OL-1					
Restriction is verified as current through City for property MP-00176-VL			<input type="checkbox"/>	<input type="checkbox"/>	
8. Deed Restrictions (verify property deeds are properly annotated regarding MVP Institutional Controls in the San Juan County Recorder Book)					

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VI. Field Inspection

A. City Streets and Utilities

Institutional controls include radiological scanning of all city street and utility excavations and removal of radioactive material to the TSF under direction of the on-site LM Representative.

1. Roads/Utilities under Construction

	Y	N
Unmonitored excavations observed during inspection	<input type="checkbox"/>	<input type="checkbox"/>
Planned excavations are identified by on-site LM Representative (locate on map)	<input type="checkbox"/>	<input type="checkbox"/>
Radiologically control and management of radiologically contaminated material is properly managed (confirm with on-site LM Representative)	<input type="checkbox"/>	<input type="checkbox"/>
The utility locator service is contacted regularly by the on-site for planned excavations in Monticello	<input type="checkbox"/>	<input type="checkbox"/>

Comment _____

B. UDOT Highways 191 and 491 Rights-of-Way

2. Roads under Construction

	Y	N
Unmonitored excavations observed during inspection	<input type="checkbox"/>	<input type="checkbox"/>
Planned excavations are identified by on-site LM Representative (locate on map)	<input type="checkbox"/>	<input type="checkbox"/>
Radiologically control and management of radiologically contaminated material is properly managed (confirm with on-site LM Representative)	<input type="checkbox"/>	<input type="checkbox"/>
The local UDOT official is contacted periodically for UDOT projects in Monticello (confirm with on-site LM Representative)	<input type="checkbox"/>	<input type="checkbox"/>

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3. Erosion (highway shoulders and Highway 191 embankment at Montezuma Creek)

Not evident Evident (locate on map)

Describe _____

	Y	N	N/A
Eroded material has been scanned for radiological contamination and properly managed (confirm with on-site LM Representative)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comment _____

C. Property MS-00176-VL (Note: observations and activities for MS-00176-VL are recorded by the on-site LM Representative in the Private Properties Restricted Areas Record Book).

ICs include Monticello zoning district Overlay Zone (OL-1) that requires radiological scanning of the footprint of new habitable structures through a special building permit. Radiologically contaminated material is removed under the direction of the on-site LM Representative and managed at the TSF.

	Y	N
Unmonitored excavations observed during inspection	<input type="checkbox"/>	<input type="checkbox"/>
Planned excavations are identified by on-site LM Representative (locate on map)	<input type="checkbox"/>	<input type="checkbox"/>
Site conditions imply ICs properly implemented	<input type="checkbox"/>	<input type="checkbox"/>

Comment _____

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End of current text

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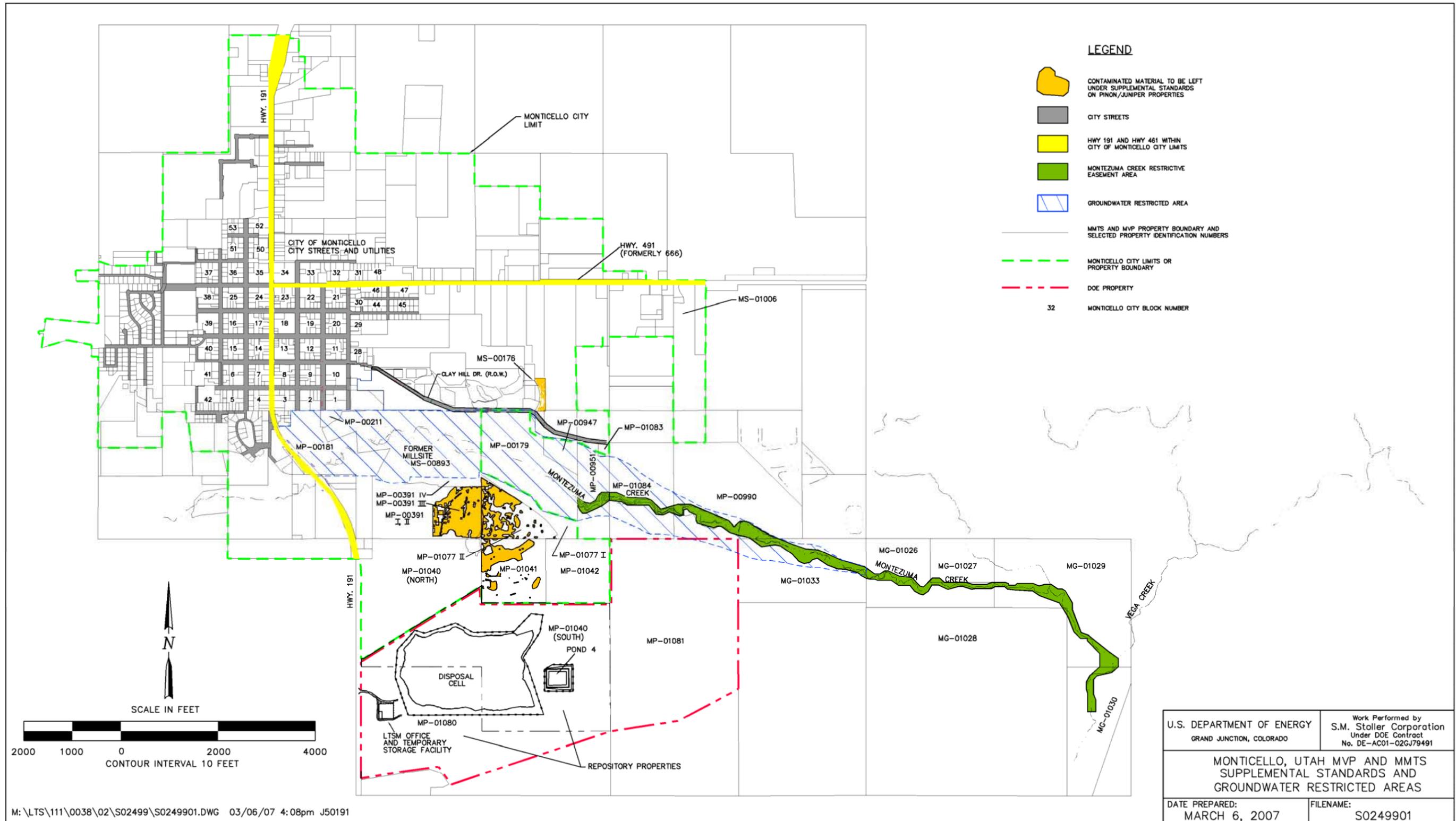


Figure K-4. MMTS and MVP Supplemental Standards and Ground Water Restricted Areas

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