

## **5.0 Project Schedules and Milestones**

### **5.1 Establishing Project Schedules and Milestones**

The SMP establishes the overall plan for remedial actions at the MMTS and milestones against which progress can be measured. The SMP also documents the overall plan for remedial actions at the MVP Site, which has been deleted. The SMP was first prepared in 1995 and was revised in 1998, 1999, 2000, 2001, 2002, and 2003. Section 5.0, "Project Schedules and Milestones," will be updated yearly to reflect revised schedules agreed to by EPA, UDEQ, and DOE. The stipulated penalty milestones listed in this section are the enforceable milestones unless superseded by revised schedules agreed to by EPA, UDEQ, and DOE, or by amendments to the FFA. This is the last complete revision to the SMP. Beginning in 2004, Section 5.0 of the SMP, "Project Schedules and Milestones," will be updated as an addendum on a yearly basis.

#### **5.1.1 Requirements of the Federal Facilities Agreement**

Section XXX of the FFA states that "... [a]ll terms and conditions of this Agreement which relate to interim or final remedial actions, including corresponding timetables, deadlines, or schedules ... shall be enforceable." The FFA required DOE to submit a Work Plan establishing how DOE would complete the tasks required by the FFA and specific timetables and schedule for completion of remedial action. The FFA Work Plan was completed May 1989 and established the enforceable timetable for completion of primary documents identified in the FFA and completion of remedial action.

The scope of work, timetables, and schedule for remedial action presented in the FFA Work Plan were superseded by the RDWP (DOE 1992b). The RDWP was identified as a primary document and was submitted as a final document in January 1992. The RDWP established a revised timetable with specific stipulated penalty milestones. The stipulated penalty milestones were associated with submittal of primary design documents that would be generated as part of the remedial design and notice of award to subcontractors for remedial action work.

The SMP has been identified as a primary document. DOE, EPA, and UDEQ concurrence on the SMP has been the basis for establishing new enforceable milestones and nonenforceable target dates for all activities extending through completion of the Monticello Projects. The timetable in the RDWP was superseded by the timetables established in this SMP.

#### **5.1.2 Enforceable Milestones and Nonenforceable Target Dates**

Beginning in September 2004, DOE, EPA, and UDEQ concurrence on updates to Section 5.0, "Project Schedules and Milestones," will be the basis for establishing new enforceable milestones and nonenforceable target dates.

Enforceable milestones and nonenforceable target dates for the Monticello Projects are described in Tables 5-1 through 5-6. Enforceable milestones are identified for those activities in the current FY (2004) and the two subsequent FYs (2005 and 2006) for which stipulated penalties may be assessed against DOE. Nonenforceable target dates are identified for those activities in subsequent out-years (FY 2007 and beyond) for which no stipulated penalties may be assessed

against DOE. Target dates have also been established in the current and subsequent years for major activities that must be completed as interim, nonstipulatable milestones.

In view of budget cuts and future budget uncertainties, DOE faces a significant challenge in maintaining an environmental program that meets the rigorous schedule of DOE's compliance agreements, including FFAs, in a manner that maximizes use of the Department's resources. A key element in meeting this challenge is to develop an approach to setting milestones in FFAs that provides accountability, focuses resources on high priority activities, and recognizes fiscal and technical realities.

To meet these objectives, DOE has proposed and EPA and UDEQ have concurred on the 3-year (FY + 2) rolling milestone approach for establishing a schedule for completion of remedial action activities at the Monticello NPL Sites. Under this approach, schedule dates are designated as either "milestones" or "target dates." Milestones and target dates are established in consideration of the site's environmental budget allocation. Milestones are enforceable deadlines established for near-term (FY + 2) activities for which greater fiscal and technical certainty exists. Target dates are nonenforceable deadlines for longer-term activities (greater than FY + 2) and would be converted to milestones on an annual basis. Target dates may also be established in the FY + 2 time frame and beyond for completion of activities leading to stipulated penalty milestones. Each year, after receipt of the Approved Funding Program that reflects the final Congressional appropriation for the current FY, existing milestones would be reviewed and adjusted if necessary. An additional year of milestones (the FY + 2 year) would also be established, adjusting the previous target dates if necessary.

Under DOE's proposed approach, DOE, EPA, and UDEQ would consider a variety of factors during the annual review and establishment of milestones and target dates. These include funding availability, latest information on cost estimates, site priorities identified through consultations between DOE, EPA, UDEQ, and stakeholders, new or emerging technologies, and other relevant factors. A renegotiation of milestones would occur in the event of insufficient Congressional appropriations. Out-year nonenforceable target dates would be established using realistic assumptions. DOE, EPA, and UDEQ would recognize the uncertainties associated with the long-term target dates that lay out DOE's strategic vision of how it ultimately plans to accomplish the project. Furthermore, DOE would provide the regulatory agencies and other stakeholders with an opportunity to have a meaningful voice in formulating the site budget and developing priorities at the site.

EPA and UDEQ agree to meet with DOE on an annual basis to renegotiate the milestone and target dates established in the SMP. However, the enforceable milestones described in Tables 5-1 through 5-6 for those activities in the current FY (2004) and the two subsequent FYs (2005 and 2006) may only be modified as part of this renegotiation or through the already existing procedures of the FFA. Further, EPA and UDEQ reserve the right to initiate any action deemed necessary to enforce these milestones. DOE, EPA, and UDEQ agree to abide by the existing procedure for resolution of disputes (Section XIV Resolution of Disputes, Monticello FFA [DOE 1988b]) and will make all reasonable efforts to informally resolve any disputes involving insufficient funding before invoking formal Dispute Procedures.

## **5.2 Project Milestones**

Table 5-1 is a summary of the enforceable milestones through and including FY 2006. Table 5-2 lists all of the Monticello Projects documents that have been completed since the March 1995 version of the SMP or will be submitted to EPA and UDEQ for review and concurrence. The submittal date for a document is defined as the date the document is received by EPA and UDEQ. As work on the projects progresses, additional documents may be submitted. Additional documents will be identified in the FFA monthly as soon as it is determined that they are required. Issues critical to the completion of remedial action on the Monticello projects are discussed below.

### **Monticello Mill Tailings Site Operable Unit I—Millsite Remediation and Restoration**

The milestone date for completion of restoration construction of the Millsite was extended from July 17, 2001, to August 31, 2001, to allow for completion of upland seeding activities. Construction was completed by this date. DOE will continue to monitor for maintenance issues related to Millsite restoration (i.e., stormwater and erosion control and revegetation issues).

### **Monticello Mill Tailings Site Operable Unit II—Peripheral Property**

The remaining work on OU II is associated with preparation of completion reports, RARs, and closeout documentation for those OU II properties which exhibit surface and ground-water contamination. The only assumption critical to meeting the OU II milestones is that data required to complete these reports is complete and accurate and any comments received from the IVC, EPA, and UDEQ can be readily responded to.

### **Monticello Mill Tailings Site Operable Unit III—Surface Water and Ground Water**

The major activities required for reaching decisions regarding selection of a preferred remedy for surface-water and ground-water contamination are associated with continued implementation of the IRA and finalization of an RI Addendum/Focused FS. The only assumption critical to making the established milestones is that EPA and UDEQ have agreed to primary document review durations that are less than those indicated in the FFA. Should EPA/UDEQ not meet the scheduled review times, DOE will be granted a day-for-day milestone extension relative to the assessment of stipulated penalties.

### **Monticello Vicinity Properties Site Operable Units A, B, C, D, E, F, G, and H**

Deletion of the site continued on schedule. No adverse public comments were received in response to the NOID. The direct and final rule to delete the MVP site became effective February 28, 2000.

## **5.3 Enforceable Milestones and Nonenforceable Target Dates**

Enforceable milestones and nonenforceable target dates have been established for submittal of primary documents to EPA and UDEQ, concurrence on property design documents, construction complete for OU II properties, construction complete for vicinity properties, and for submittal of

Draft-Final Remedial Action Reports. The milestones and target dates for each OU for each project are summarized in Table 5-1 for FYs 2004, 2005, and 2006 and detailed listings are provided in Tables 5-3 to 5-6. Should there be inconsistencies in the tables or texts, stipulated penalty milestone dates are identified in Table 5-1. A time line showing major decision points and document submittal dates for OU II is shown in Table 5-2.

Table 5-1. Penalty Milestones in Fiscal Years 2004, 2005, and 2006

<b>Monticello Mill Tailings Site</b>	
<b>OU I</b>	<b>MILESTONE</b>
<b>OU I Property Completion Reports</b>	
Millsite and Ground-Water Related Peripheral Properties Completion Report	July 15, 2002 (Complete) <sup>a</sup>
OU I Millsite and Ground-Water Properties Remedial Action Report – Draft	March 1, 2002 (Complete)
OU I Millsite and Ground-Water Properties Remedial Action Report – Draft-Final	July 31, 2002 (Complete) <sup>a</sup>
<b>OU II</b>	
Place Partial Deletion Notice for Non-Ground-Water Related Peripheral Properties in the Information Repository	August 13, 2003 (Complete) <sup>b</sup>
<b>OU III</b>	
Draft-Final Remedial Investigation Addendum/Focused Feasibility Study	September 2, 2003 (Complete) <sup>c</sup>
Draft-Final Proposed Plan	November 3, 2003 <sup>d</sup>
Draft-Final Record of Decision	March 2, 2004 <sup>d</sup>
Draft-Final RD/RA Work Plan for Water Remediation <sup>e</sup>	August 11, 2004 <sup>d</sup>
Pre-Final Design for Water Remediation <sup>f</sup>	March 7, 2005 <sup>d</sup>
<b>General</b>	
Draft-Final LTS&M Operating Procedures Volume III <sup>d</sup>	July 26, 2004 <sup>d</sup>
Site Management Plan	October 9, 2003
Revised Section 5.0 of Site Management Plan	September 30, 2004
Revised Section 5.0 of Site Management Plan	September 30, 2005
Revised Section 5.0 of Site Management Plan	September 30, 2006

<sup>a</sup>EPA, UDEQ, and DOE renegotiated the milestone to this date without imposing penalties.

<sup>b</sup>Partial deletion for non-ground-water related peripheral properties became effective October 12, 2003.

<sup>c</sup>A draft-final Remedial Investigation Addendum milestone was previously identified in the September 2002 revision of this document. With regulatory agency approval, submittal of the draft-final Remedial Investigation Addendum has been combined with the Focused Feasibility Study. The September 2, 2003, milestone date was set to enable DOE to incorporate late comments for the U.S. Fish and Wildlife Service.

<sup>d</sup>Dates currently being proposed by DOE.

<sup>e</sup>Volume III of the LTS&M Operating Procedures and/or a Ground Water Monitoring, Evaluation, and Response Plan is proposed by DOE to take the place of the RD/RA Work Plan if the selected remedy is Monitored Natural Attenuation With Institutional Controls.

<sup>f</sup>Not necessary if remedy selected is Monitored Natural Attenuation With Institutional Controls.

Table 5-2. List of Monticello Projects Documents, Submittal Dates, and Proposed Review Duration

Site/Operable Unit/Task	Primary Documents	Secondary Documents	Other Documents
<b>Monticello Mill Tailings Site</b>			
<b>Operable Unit I</b>			
Wastewater Treatment Plant			WWTP Testing Plan February 1995 - (Complete)
Millsite Remediation	Design and Specification Package for Millsite Remediation <b>Pre-Final, April 28, 1995 - (Complete)</b> Final, July 12, 1995, (Complete) Final Concurrence, (Complete)	OU I Millsite Remediation Intermediate Design January 27, 1995 - (Complete)	Repository Access Area Design April 1995 - (Complete)
			Subcontractor Final Haul Road Design December 1995 - (Complete May, 1996)
			Subcontractor Final Decontamination Pad Design submittals Draft submitted for comments June 1996. Comments incorporated and revision sent July 1997.
			Threatened, Endangered and Sensitive Species Survey results July 1995 - (Complete)
			Archaeological Mitigation Plan May 1995 - (Complete) Results of Archaeological Mitigation Effort September 1995 - (Complete June, 1996)
Millsite Restoration		Millsite Restoration Conceptual Design <sup>1</sup> December 31, 1996 - (Complete)	
		Millsite Restoration Intermediate Design May 1, 1999 <sup>1</sup> - (Complete)	
	Millsite Restoration Design <b>Pre-Final, November 30, 1999<sup>2</sup> (Complete July 18, 2000)</b> Notice of Award (Complete August 28, 2000)		

Table 5-2 (continued). List of Monticello Projects Documents, Submittal Dates, and Proposed Review Duration

Site/Operable Unit/Task	Primary Documents	Secondary Documents	Other Documents
<b>Operable Unit I (continued)</b>			
General to OU I	Haul Road Restoration Pre-Final Design, March 30, 2001 - (Complete)		
	RD/RA Work Plan Draft, April 27, 1995 - (Complete) <b>Draft-Final, August 25, 1995 - (Complete)</b> Final Concurrence, September 24, 1995 (Complete)		
	Explanation of Significant Difference and Notice Draft, March 22, 1995 - (Complete) <b>Draft-Final, April 14, 1995 - (Complete)</b> <b>Public Notice of Availability, (Complete)</b>		
<b>Millsite and OU II Ground-Water Related Properties</b>			
	Remedial Action Report Millsite and Ground-Water Related Peripheral Properties <sup>3</sup> Draft, March 1, 2002 <b>Draft-Final, May 16, 2003</b>		Completion Report Millsite and Ground-Water Related Peripheral Properties <sup>3</sup> Draft, January 30, 2002 - 60 day review
<b>Operable Unit II</b>			
	<b>Remedial Action Designs (future completions only), Supplemental Standards Properties MP-00391 III, MP-01077, and MP-01041, February 16, 1999 - (Complete)</b>		Site Assessment Reports March 1995 (Complete)
	RD/RA Work Plan Draft, March 22, 1995 - (Complete) <b>Draft-Final, July 20, 1995 - (Complete)</b> Final Concurrence, (Complete)		Final Completion Report Non-Ground-Water Related <sup>4</sup> Peripheral Properties (22) Draft, June 29, 2000 (Complete) Draft-Final, October 31, 2000 (Complete)
	Sampling and Analysis Plan for Non-Radiological Suspect Hazardous Substances - MP-00181 Phase IV Draft, May 5, 1995 - (Complete) <b>Draft-Final, August 3, 1995 - (Complete)</b> Final Concurrence, (Complete)		
	Sampling and Analysis Plan for Non-Radiological Suspect Hazardous Substances - MP-00990 Draft, July 7, 1995 - (Complete) <b>Draft-Final, November 4, 1995 - (Complete)</b> <b>February 28, 1996)</b>		
	Alternatives Analysis for Soil and Sediment Draft, June 26, 1997 - (Complete) <b>Draft-Final, February 2, 1998 - (Complete)</b> Final Concurrence, September 30, 1998 - (Complete)		

Table 5-2 (continued). List of Monticello Projects Documents, Submittal Dates, and Proposed Review Duration

Site/Operable Unit/Task	Primary Documents	Secondary Documents	Other Documents
<b>Operable Unit II (continued)</b>			
	Remedial Action Design for Soil and Sediment <b>Draft-Final, March 23, 1998 - (Complete)</b> Final Concurrence - May 19, 1998 - (Complete)		
	Action Memorandum for Soil and Sediment Draft, December 16, 1997 - (Complete) <b>Draft-Final, May 5, 1998 - (Complete)</b> Final distribution, June 30, 1998 - (Complete)		
	Supplemental Standards Applications for Soil and Sediment Draft, September 30, 1998 - (Complete) Draft-Final, January 20, 1999 - (Complete) Final Concurrence, July 1, 1999 - (Complete)		
	Remedial Action Report (Non-Ground-Water Related Peripheral Properties) <sup>4</sup> Draft, July 28, 2000 - (Complete) <b>Draft-Final, October 30, 2000 - (Complete)</b>		
<b>Operable Unit III</b>			
	RI/FS Work Plan Draft-Final, September, 1995 - (Complete)* Final Concurrence, November 27, 1998 (due to final concurrence on RI)		
	Remedial Investigation Report Draft, June 27, 1997 - (Complete) <b>Draft-Final, February 2, 1998 - (Complete)</b> Final Concurrence, November 27, 1998 - (Complete)	Human Health Risk Assessment Draft, March 18, 1997 - (Complete) Ecological Risk Assessment Draft, June 6, 1997 - (Complete)	
	Feasibility Study Report for Surface and Ground Water Draft (pre-IRA), September 2, 1997 - (Complete) Revised Draft (pre-IRA), March 30, 1998 - (Complete)		
	Interim Proposed Plan Draft, February 11, 1998 - (Complete) Draft-Final, March 16, 1998 - (Complete) Final Concurrence, March 26, 1998 - (Complete)		
	Interim ROD Draft, May 21, 1998 - (Complete) Draft-Final, August 17, 1998 - (Complete) Final, August 25, 1998 DOE signed August 25, 1998 Final Concurrence (ROD signed), September 29, 1998 - (Complete)		

\*The Draft-Final RI/FS Work Plan was never formally concurred on by EPA and UDEQ. DOE uses the date of November 27, 1998 when EPA and UDEQ concurred on the Final Remedial Investigation Report as the date of concurrence.

Table 5-2 (continued). List of Monticello Projects Documents, Submittal Dates, and Proposed Review Duration

Site/Operable Unit/Task	Primary Documents	Secondary Documents	Other Documents
<b>Operable Unit III</b>			
	Interim Remedial Action Work Plan Draft, October 30, 1999 - (Complete) <b>Draft-Final, October 30, 2000 - (Complete)</b>	Interim Remedial Action Annual Status Report, August 30, 1999 Interim Remedial Action Progress Report, September 30, 2000 Interim Remedial Action Progress Report, August 30, 2001	
	Remedial Investigation Addendum Draft, February 11, 2003 - 30 day review - (Complete)		
	Draft Remedial Investigation Addendum/Focused Feasibility Study, May 19, 2003 - (Complete) <b>Draft-Final, September 2, 2003 - (Complete)</b> Final Concurrence, October 9, 2003	Evaluation of PeRT Wall Treatability Study <b>Draft-Final, September 30, 2002 - 60 day review (Complete)</b>	
	Proposed Plan for Surface and Ground Water, Draft, September 23, 2003 - 39 day review - (Complete) <b>Draft-Final, November 3, 2003 - 5 day review</b> Final Concurrence, November 14, 2003		
	ROD for Ground Water and Surface Water Draft, December 15, 2003 <b>Draft-Final, March 2, 2004 - 30 day review</b> Final Concurrence, (ROD signed) April 1, 2004		
	RD/RA Work Plan for Water Remediation (may be superceded by Ground Water Monitoring, Evaluation, and Response Plan) <b>Draft-Final, August 11, 2004 - 30 day review</b>		
	Design for Water Remediation, if selected <b>Pre-Final, March 7, 2005 - 30 day review</b>		
	Volume III of the LTSM Operating Procedures, <b>Draft-Final, July 26, 2004 - 30 day review</b>		
	Remedial Action Start, June 27, 2005, if selected Interim Remedial Action Report <b>Draft-Final, February 2, 2006 - 60 day review</b>		
<b>Monticello Vicinity Properties Site</b>			
	Radiological and Engineering Assessments <b>OU F, Engineering Complete</b> July 7, 1997 (Complete) <b>OU G, Engineering Complete</b> September 4, 1997 (Complete) <b>OU H, Engineering Complete</b> October 31, 1998 (Complete) 60 day review		Last Draft-Final Completion Report submitted OU A July 7, 1997 (Complete) OU B December 11, 1997 (Complete) OU C June 27, 1997 (Complete) OU D December 31, 1997 (Complete) OU E January 16, 1998 (Complete) OU F March 12, 1999 (Complete) OU G January 30, 1999 (Complete) OU H April 29, 1999 (Complete) 60 day review

Table 5-2 (continued). List of Monticello Projects Documents, Submittal Dates, and Proposed Review Duration

Site/Operable Unit/Task	Primary Documents	Secondary Documents	Other Documents
<b>Monticello Vicinity Properties Site</b>			
	Sampling and Analysis Plan for Non-Radiological Suspect Hazardous Substances at MS-00685/MS-00687 Draft, October 30, 1995 - (Complete) <b>Draft-Final, February 27, 1996 - (Complete)</b>		Site Assessment Reports March 1995 - (Complete)
	Remedial Action Reports - Draft Final <b>OU A - November 8, 1996 (Complete)</b> <b>OU B - December 24, 1997 (Complete)</b> <b>OU C - October 15, 1997 (Complete)</b> <b>OU D - March 18, 1998 (Complete)</b> <b>OU E - March 18, 1998 (Complete)</b> <b>OU F - December 24, 1997 (Complete)</b> <b>OU G - September 12, 1998 (Complete)</b> <b>OU H - April 29, 1999 (Complete)</b>		Site Boundary Proposal Draft, March 31, 1995 - (Complete) Draft-Final, May 1, 1995 - (Complete) Final, (Complete)
	Preliminary Close-out Report, April 29, 1999 (Complete) Final Concurrence on Close-out Report September 2, 1999 (Complete)	Publish Direct Final Rule in the Federal Register, December 30, 1999 (Complete) Site Deletion Effective February 28, 2000	
<b>General to Both Sites</b>			
	<b>Special Waste Management Plan</b> March 7, 1995 - (Complete) Revision transmitted April 3, 1997		Health and Safety Plan April 1995 - (Complete)
	Monticello Site Management Plan <b>Final, March 15, 1995 (Complete)</b> Revision 4 (Complete)		Prompt Alpha-Track Study for Monticello, Utah, Vicinity and Peripheral Properties March 1995 - (Complete)
	Community Relations Plan (revised) <b>Draft, March 22, 1995 - (Complete)</b> Draft-Final, (Complete) Final Concurrence, (November, 1995) Annual updates were prepared each year through 2001.		Long-Term Surveillance and Maintenance Plans as included with supplemental standards applications.
	Supplemental Standards Documents <b>Draft, March 31, 1995 - (Complete)</b> Revised Draft November 4, 1996 (Complete) Reviewed December 23, 1996 (Complete) Final Documents Accepted July 1, 1999 (Complete)		Air Monitoring Work Plan - resubmitted September 1997
	Wetlands Master Plan Draft-Final, November 30, 1995 (Complete)	Annual Wetland Monitoring Report reviews through 2004 to reflect activities at the Millsite	

Table 5-2 (continued). List of Monticello Projects Documents, Submittal Dates, and Proposed Review Duration

Site/Operable Unit/Task	Primary Documents	Secondary Documents	Other Documents
<b>General to Both Sites</b>			
	LTSM Administrative Plan Draft, June 13, 2000-(Complete) review concurrent with Vol I LTSM Procedures Vol II (Supplemental Standards) Draft, May 31, 2000 - (Complete) 30 day review LTSM Procedures Vol I (Repository and Millsite) Draft, August 15, 2000 - 60 day review (Complete) LTSM Administrative Manual Draft-Final, May 2, 2002 (Complete) LTSM Procedures Vol. I Draft-Final, May 2, 2002 (Complete) LTSM Procedures Vol. II Draft-Final, May 2, 2002 (Complete) LTSM Procedures Vol III (OU III) Draft – April 26, 2004 <b>Draft-Final – July 26, 2004</b> LTSM Procedures Vol IV (Five year reviews) Draft, June 15, 2001 (Complete) LTSM Procedures Vol IV (Five year reviews) Draft-Final, May 2, 2002 (Complete)		Supplemental Standards ESDs and Fact sheets Drafts, January 21, 1999 Public Notice Published, February 19 - March 4, 1999 Public Meeting, March 18, 1999 Public Comment Period, March 5 - April 5, 1999 Draft-Final with Comment Responses, April 19, 1999 (Complete)  <b>CERCLA Five-Year Review Reports for MMTS and MVP, June 21, 2002 (Complete)</b>  Wetlands Monitoring Report - 2004
	<b>Site Management Plan Draft-Final, March 31, 2001 (Complete)</b> <b>Site Management Plan Addendum, Chapter 5, September 30, 2001</b> <b>Site Management Plan Revised, September 30, 2002</b> <b>Site Management Plan, October 9, 2003</b> <b>Site Management Plan Revised Chapter 5, September 30, 2004</b> <b>Site Management Plan Revised Chapter 5, September 30, 2005</b> <b>Site Management Plan Revised Chapter 5, September 30, 2006</b> <b>CERCLA 5-Year Review Reports for MMTS and MVP, August 2007</b>		Annual Inspection Report, January 5, 2004 Annual Inspection Report, January 5, 2005 Annual Inspection Report, January 5, 2006

Notes:

Stipulated Penalty Milestones deliverables are indicated in boldface type. All durations are shown in calendar days. The date for final concurrence assumes that dispute resolution is not invoked.

<sup>1</sup>Restoration design was turned over to the City of Monticello in a Cooperative Agreement.

<sup>2</sup>Date missed. Schedule revised to reflect Cooperative Agreement with the City of Monticello. No enforcement action taken by EPA/UDEQ. Revised date shown in parenthesis.

<sup>3</sup>Millsite and Ground-Water Related Peripheral Properties are: Millsite, MP-00179, MP-00181, MP-00391, MP-00951, MP-00990, MP-01077, MP-01084, MG-01026, MG-01027, MG-01029, MG-01030, and MG-01033.

<sup>4</sup>Non-Ground-Water Related Peripheral Properties are MP-00105, MP-00178, MP-00180, MP-00198, MP-00211, MP-00845, MP-00886, MP-00887, MP-00888, MP-00947, MP-00948, MP-00949, MP-00950, MP-00963, MP-00964, MP-00988, MP-01040, MP-01041, MP-01042, MP-01081, MP-01083, and MP-01102.

Table 5-3. Monticello Mill Tailings Site OU II Peripheral Property Milestones and Target Dates

Peripheral Property	Milestone
<b>MP-00105 (Suspect Hazardous Substance Property)</b>	
Design Complete	December 30, 1996 (Complete March 6, 1996)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-00178</b>	
Design Complete (if required)	December 31, 1998 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-00179</b>	
Design Complete	August 11, 1995 (Complete)
Construction Complete (target)	June 1, 2000 (Does not include pond)
<b>MP-00180</b>	
Design Complete	(Included with MP-00845)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-00181 (Suspect Hazardous Substance Property)</b>	
Sampling and Analysis Plan - Primary Document	August 3, 1995 (Complete)
Design Complete	April 10, 1996 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-00198</b>	
Design Complete	May 7, 1992 (Complete)
Construction Complete (target)	May 19, 1993 (Complete)
<b>MP-00211 (Suspect Hazardous Substance Property)</b>	
Design Complete	April 10, 1996 (Complete)
Construction Complete (target)	November 30, 1998 (Complete)
<b>MP-00391 (Supplemental Standards Property)</b>	
Design Complete	February 16, 1999 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-00845</b>	
Design Complete	December 31, 1998 (Complete)
Construction Complete (target)	July 31, 2000
<b>MP-00886</b>	
No Action Completion	
<b>MP-00887 (Suspect Hazardous Substance Property)</b>	
Design Complete	April 10, 1996 (Complete)
Construction Complete (target)	May 6, 1997 (Complete)
<b>MP-00888</b>	
Design Complete	September 17, 1993 (Complete)
Construction Complete (target)	November 16, 1994 (Complete)
<b>MP-00947</b>	
Design Complete	April 28, 1994 (Complete)
Construction Complete (target)	July 18, 1996 (Complete)
<b>MP-00948</b>	
Design Complete	December 31, 1998 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-00949</b>	
Design Complete	December 31, 1998 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)

Table 5-3 (continued). Monticello Mill Tailings Site OU II Peripheral Property Milestones and Target Dates

Peripheral Property	Milestone
<b>MP-00950, MP-00951, MP-00988, MP-01083, MP-01084</b>	
Design Complete	January 2, 1996 (Complete November 17, 1995)
Construction Complete (target)	February 24, 1999 (Complete)
<b>MP-00963</b>	
Design Complete	April 20, 1993 (Complete)
Construction Complete (target)	December 12, 1995 (Complete)
<b>MP-00964</b>	
Design Complete	December 10, 1991 (Complete)
Construction Complete (target)	August 12, 1992 (Complete)
<b>MP-00990 (Suspect Hazardous Substance Property)</b>	
Submit Sampling and Analysis Plan to EPA/Utah	November 4, 1995 (Complete February 28, 1996) <sup>(1)</sup>
Design Complete	January 3, 1997 (Complete October 17, 1996)
Construction Complete (target)	September 30, 1997 (Complete)
<b>MP-01040</b>	
Design Complete	July 31, 1998 (Complete)
Construction Complete (target)	November 30, 1998 (Complete)
<b>MP-01041 (Supplemental Standards Property)</b>	
Design Complete	February 16, 1999 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-01042</b>	
Design Complete	August 11, 1995 (Complete)
Construction Complete (target)	November 30, 1998 (Complete)
<b>MP-01077 (Supplemental Standards Property)</b>	
Design Complete	February 16, 1999 (Complete)
Construction Complete (target)	November 30, 1999 (Complete)
<b>MP-01080 (Repository Property)</b>	
Design Complete	NA
Construction Complete (target)	NA
<b>MP-01102</b>	
Design Complete	June 21, 1997 (Complete)
Construction Complete (target)	November 30, 1998 (Complete)
<b>Montezuma Creek Soil and Sediment Properties</b>	
Draft-Final Alternatives Analysis	February 2, 1998 (Complete)
Draft-Final Action Memorandum	May 5, 1998 (Complete)
Draft-Final Remedial Action Design	March 23, 1998 (Complete)
Draft-Final Supplemental Standards Applications	January 20, 1999 (Complete)
Complete Remedial Action (including restoration)	July 28, 1999 (Complete)
<b>OU II Construction Completion (target)<sup>(2)</sup></b>	
OU II Draft-Final Remedial Action Report for Non-Ground-Water Related Peripheral Properties <sup>(3)</sup>	July 31, 2000 October 30, 2000 (Complete)

(1) Milestone was not missed because comments specific to the SAP were not received. The document was revised based on comments received for property MS-00685 (Young's Machine Shop).

(2) Excluding properties transferred to the City of Monticello.

(3) Non-Ground-Water Related Peripheral Properties are: MP-00105, MP-00178, MP-00180, MP-00198, MP-00211, MP-00845, MP-00886, MP-00887, MP-00888, MP-00947, MP-00948, MP-00949, MP-00950, MP-00963, MP-00964, MP-00988, MP-01040, MP-01041, MP-01042, MP-01081, MP-01083, and MP-01102.

Table 5-4. OU III Milestones and Target Dates if an Active Remedy is Selected

Document	Milestone
<b>Remedial Investigation (Pre-IRA)</b>	
Draft-Final Remedial Investigation Report	February 2, 1998 (Complete)
Remedial Investigation	November 27, 1998 (Complete)
<b>Surface Water/Ground Water Interim Remedial Action</b>	
Draft-Final Interim Proposed Plan	March 16, 1998 (Complete)
DOE sign Interim Record of Decision	August 25, 1998 (Complete)
Draft-Final Interim Remedial Action Work Plan	October 30, 2000 (Complete)
<b>Remedial Investigation/Focused Feasibility Study (Post-IRA)</b>	
Draft-Final Evaluation of PeRT Wall Treatability Study	September 30, 2002 (Complete)
Remedial Investigation Addendum/Focused Feasibility Study, Draft-Final	September 2, 2003 (Complete)
<b>Feasibility Study</b>	
Draft-Final (post-IRA) Feasibility Study Report <sup>a</sup>	September 2, 2003 (Complete)
<b>Surface Water/Ground Water Decision Documents<sup>b</sup></b>	
Draft-Final Proposed Plan	November 3, 2003
Draft-Final Record of Decision	March 2, 2004
<b>Surface Water/Ground Water RD/RA<sup>c</sup></b>	
Draft-Final RD/RA Work Plan	August 11, 2004
Pre-Final Design	March 7, 2005
Remedial Action Start	June 27, 2005
<b>Operable Unit Completion</b>	
Draft-Final Interim RAR <sup>d</sup>	February 2, 2006

<sup>a</sup>DOE, EPA, and UDEQ agreed to combine the Focused Feasibility Study with the Remedial Investigation Addendum; the draft-final combined document was submitted on September 2, 2003.

<sup>b</sup>The stipulated penalty milestones for this section are based on primary document review durations that are less than those indicated in the Federal Facilities Agreement. Specifically, EPA and UDEQ have agreed to a 30-calendar-day review period for the Proposed Plan and the Record of Decision. Should EPA/UDEQ not meet the scheduled review times, DOE will be granted a day-for-day milestone extension relative to the assessment of stipulated penalties.

<sup>c</sup>If decision is monitored natural attenuation with the existing PeRT wall, then the schedule will be expedited/compressed; see Table 5-5.

<sup>d</sup>For LTRAs, an interim RAR is prepared when the physical construction of the system is complete and the unit is operating as designed (EPA 2000). The RAR is amended and completed when the LTRA cleanup standards specified in the ROD are achieved.

Table 5-5. OU III Milestones and Target Dates if Monitored Natural Attenuation With Institutional Controls is the Remedy Selected

Document	Milestone
<b>Remedial Investigation (Pre-IRA)</b>	
Draft-Final Remedial Investigation Report	February 2, 1998 (Complete)
Remedial Investigation	November 27, 1998 (Complete)
<b>Surface Water/Ground Water Interim Remedial Action</b>	
Draft-Final Interim Proposed Plan	March 16, 1998 (Complete)
DOE sign Interim Record of Decision	August 25, 1998 (Complete)
Draft-Final Interim Remedial Action Work Plan	October 30, 2000 (Complete)
<b>Remedial Investigation/Focused Feasibility Study (Post-IRA)</b>	
Draft-Final Evaluation of PeRT Wall Treatability Study	September 30, 2002 (Complete)
Remedial Investigation Addendum/Focused Feasibility Study, Draft-Final	September 2, 2003 (Complete)
<b>Feasibility Study</b>	
Draft-Final Focused Feasibility Study Report <sup>a</sup>	September 2, 2003 (Complete)
<b>Surface Water/Ground Water Decision Documents<sup>b</sup></b>	
Draft-Final Proposed Plan	November 3, 2003
Draft-Final Record of Decision	March 2, 2004
<b>General</b>	
Draft-Final Ground Water Monitoring, Evaluation, and Response Plan <sup>c</sup>	July 26, 2004
Draft-Final LTS&M Operating Procedures, Volume III	July 26, 2004
<b>Operable Unit Completion</b>	
Draft-Final Interim RAR <sup>d</sup>	March 2, 2005

<sup>a</sup>DOE, EPA, and UDEQ agreed to combine the Focused Feasibility Study with the Remedial Investigation Addendum; the draft-final combined document was submitted on September 2, 2003.

<sup>b</sup>The stipulated penalty milestones for this section are based on primary document review durations that are less than those indicated in the Federal Facilities Agreement. Specifically, EPA and UDEQ have agreed to a 30-calendar-day review period for the Proposed Plan and the Record of Decision. Should EPA/UDEQ not meet the scheduled review times, DOE will be granted a day-for-day milestone extension relative to the assessment of stipulated penalties.

<sup>c</sup>Plan proposed by DOE that will specify the criteria that will be used to determine if the selected remedy is functioning adequately.

<sup>d</sup>For LTRAs, an interim RAR is prepared when the physical construction of the system is complete and the unit is operating as designed (EPA 2000). The RAR is amended and completed when the LTRA cleanup standards specified in the ROD are achieved.

Table 5-6. Monticello Vicinity Properties Site Milestones and Target Dates

Vicinity Property	Milestone
<b>OU A</b>	
Design Complete	March 1, 1996 (Complete September 6, 1994)
Construction Complete (target)	September 30, 1996 (Complete May 15, 1996)
Submit Draft-Final RAR	November 8, 1996 (Complete)
<b>OU B</b>	
Design Complete	February 1, 1996 (Complete)
Construction Complete (target)	September 30, 1997 (Complete)
Submit Draft-Final RAR	December 24, 1997 (Complete) July 14, 1999 (concurrence on resubmittal)
<b>OU C</b>	
Design Complete	February 1, 1996 (Complete February 13, 1996)
Construction Complete (target)	June 18, 1997 (Complete)
Submit Draft-Final RAR	October 15, 1997 (Complete)
<b>OU D</b>	
Sampling and Analysis Plans Complete	February 27, 1996 (Complete)
Design Complete	October 17, 1996 (Complete)
Construction Complete (target)	November 4, 1997 (Complete)
Submit Draft-Final RAR	March 18, 1998 (Complete)
<b>OU E</b>	
Design Complete	Complete
Construction Complete (target)	December 3, 1997 (Complete)
Submit Draft-Final RAR	March 18, 1998 (Complete)
<b>OU F</b>	
Design Complete	July 7, 1997 (Complete)
Construction Complete (target)	July 10, 1998 (Complete)
Submit Draft-Final RAR	December 24, 1997 (Complete)
<b>OU G</b>	
Design Complete	September 4, 1997 (Complete)
Construction Complete (target)	December 11, 1997 (Complete)
Submit Draft-Final RAR	September 12, 1998 (Complete) July 14, 1999 (concurrence on resubmittal)
<b>OU H</b>	
Design Complete	October 31, 1998 (Complete)
Construction Complete (target)	December 30, 1998 (Complete)
Draft-Final RAR	April 29, 1999 (Complete)
<b>Deletion Milestone</b>	
Draft-Final Close-Out Report	June 26, 1999 (Complete)
Final Acceptance	September 2, 1999 (Complete)
Final Deletion Notice in Information Repository	February 28, 2000 (Complete)

End of current text