

Appendix I

2010 Program Directives

This page intentionally left blank

Program Directive
Monticello Operable Unit III

Activity or Task Surface water sampling

Directive No. MNT-2010-01

Initiated By: Linda Sheader, Ecologist, S.M. Stoller Corp.

Directive Subject: Additional surface water sampling in Montezuma Creek in October 2009 to better identify uranium source(s) in response to new standard for uranium levels in surface water

Directive and Associated Task Changes:

During the October 2009 monitoring, collect additional filtered surface water samples from 14 locations and submit for laboratory analysis for the standard parameters for OU III surface water. Additional locations are specified on the attached map (SW10-01, SW92-06, SW10-02, SW10-03, SW97-01, SW10-04, SW97-02, SW97-03, SW10-05, SW97-05, SW10-06, SW92-09, SW-10-07, and SW94-01). All work will be done in accordance with the requirements of the MMTS OU III Post-ROD Monitoring Plan (Sections 3.4, 3.5, 3.8, and 4.0).

Organization(s) Affected: Field samplers, Ecology/Hydrology group

Affected Documents: Monticello Mill Tailings Site Operable Unit III Post-Record of Decision Monitoring Plan (DOE-LM/GJ684-2004).

Justification for the Directive:

Standards for uranium in surface water did not exist when the OU III Post-ROD Monitoring Plan was implemented in 2004. New uranium standards for surface water (44 µg/L) are exceeded in many surface water samples taken from Montezuma Creek during biannual monitoring. This program directive specifies additional surface water samples to be collected during the October 2009 monitoring event to better study the sources of elevated uranium in the waterway. Planned samples include 14 additional sampling locations between existing locations SW01-01 and Sorenson, and also in middle and lower Montezuma Creek.

Review and Concurrence:



Carl Jacobson, Task Order Manager



Steve Donivan, Laboratory Services Coordinator



Timothy Bartlett, Project Technical Lead



Vicki Price, QA Specialist

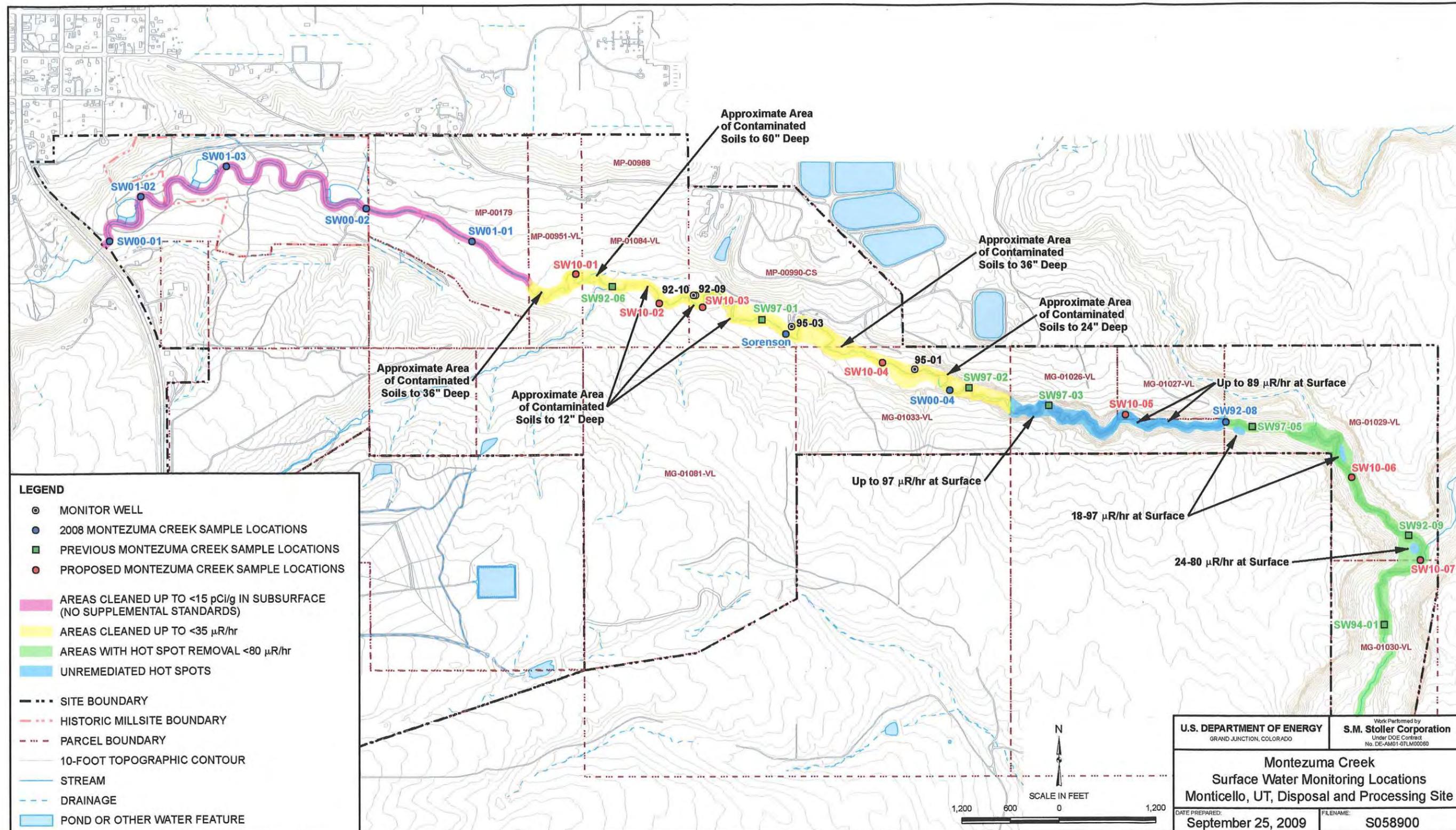
9/29-2009

Effective Date: October 1, 2009

Expiration Date: September 30, 2010

Distribution: w/ Attachment

Document Production – Master Copy (signed original for PDF)
Record File MSG 2.7 through Jalane Glasgow
Information Repository through L. Sheader
Distribution List for *MMTS OU III Post-Record of Decision Monitoring Plan*



M:\LT\S11110038\321000\S05089\S0508900.mxd coatesc 9/25/2009 11:32:11 AM

U.S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO	Work Performed by S.M. Stoller Corporation Under DOE Contract No. DE-AM01-07LM00060
Montezuma Creek Surface Water Monitoring Locations Monticello, UT, Disposal and Processing Site	
DATE PREPARED: September 25, 2009	FILENAME: S058900

Program Directive

Monticello Disposal and Processing (MNT)

Activity or Task: groundwater treatment system operating plan

Directive No. MNT-2010-01⁰²

Initiated By: Timothy R. Bartlett; Project Technical Lead

Directive Subject: standard operating, monitoring, and reporting requirements for the ex situ groundwater treatment system

Directive and Associated Task Changes:

The ex situ ground water treatment system will be operated in accordance with the requirements provided in the attached "Monticello Operable Unit III Ex Situ Groundwater Treatment System Operating Plan". This Program Directive and the attached plan supersede Program Directive MNT-2009-03 and the sampling and analysis plan associated with that directive.

Organization(s) Affected: Environmental Monitoring/Field Services; Environmental Support Services; Ecology/Hydrology

Affected Documents: Monticello Mill Tailings Site Operable Unit III Post-Record of Decision Monitoring Plan, August 2004 (DOE-LM/GJ684-2004); Long-Term Surveillance and Maintenance Plan for the Monticello NPL Sites, (DOE-LM/1465-2007); Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites (LMS/PLN/S04351, continually updated).

Justification for the Directive:

The scope of operating, monitoring, and reporting requirements have been revised and formalized by DOE in concurrence with EPA and UDEQ.

Review and Concurrence:

Steve Doni 12-15-2009

Steve Donovan, Laboratory Services Coordinator (Date)

Vickie Price 12/15/2009

Vickie Price, Quality Assurance Specialist (Date)

Issuing Manager Approval:

Carl Jacobson 12/15/09

Carl Jacobson, Sub Task Order Manager (Date)

Effective Date: January 1, 2010

Expiration Date: January 1, 2011

Distribution: w/ Attachments

- Document Production – Master Copy (signed original for PDF)
- Record File
- T. Bartlett, Project Technical Lead
- L. Shearer for MNT Information Repository (2 copies)
- Sam Campbell, Environmental Monitoring/Field Services, Lead

Program Directive

Monticello Mill Tailings Site Operable Unit III (MMTS OU III)

Activity or Task Aquatic macroinvertebrate sampling and analysis for FY 2010

Directive No. MNT-2010-03

Initiated By: Linda Sheader, Biologist/Ecologist

Directive Subject: Aquatic macroinvertebrate sampling and analysis for selenium at Monticello Wetland 3 and Sediment Pond, and background locations on Verdure Creek and Montezuma Creek.

Directive and Associated Task Changes:

Continue macroinvertebrate sampling and analysis for selenium in 2010 in accordance with the attached sampling and analysis plan. The scope of work and methodology described in the attached sampling and analysis plan was originally developed in consultation with the biological technical assistance group (BTAG) for OU III biomonitoring in 2004. The 2010 plan was developed in consultation with BTAG after analysis of previous years' data. 2010 biomonitoring includes macroinvertebrate sampling at Wetland 3, the Sediment Pond, and background locations. At the request of EPA and UDEQ, concurrent surface water samples will be collected. Sediment sampling within these wetlands will be discontinued.

Organization(s) Affected: Ecology/Hydrology, Environmental Support Services, Environmental Monitoring/Field Services

Affected Documents: MMTS OU III Post Record-of-Decision (ROD) Monitoring Plan.

Justification for the Directive:

Collection of aquatic macroinvertebrates for selenium analysis is a component of the ongoing OU III biomonitoring program to evaluate potential selenium accumulation in the wetlands at OU III. Biomonitoring requirements are outlined in the MMTS OU III Post-Record of Decision Monitoring Plan (August 2004) and the MMTS OU III Record of Decision (June 2004).

Review and Concurrence:

Carl Jacobson 6/2/10
Carl Jacobson, Task Order Manager

Timothy Bartlett 6/2/10
Timothy Bartlett, Project Technical Lead

Steve Donovan 6-2-2010
Steve Donovan, Laboratory Services Coordinator

Vicki Price 6/2/2010
Vicki Price, QA Specialist

Issuing Manager Approval:

Carl Jacobson
Carl Jacobson, Task Order Manager

6/2/10
Date

Effective Date: June 1, 2010

Expiration Date: September 30, 2010

Distribution: w/ Attachments

- Document Production – Master Copy (signed original for PDF)
- Record File MSG 2.7
- MMTS Information Repository through Linda Sheader (2 copies)