

Change Number M-016-01-06	Federal Facility Agreement and Consent Order Change Control Form Do not use blue ink. Type or print using black ink.	Date 12/31/01
Originator H. E. Bilson, RL Assistant Manager River Corridor		Phone 376-6628
Class of Change <input checked="" type="checkbox"/> I - Signatories <input type="checkbox"/> II - Executive Manager <input type="checkbox"/> III - Project Manager		
Change Title M-016-03A Establish Date for Completion of all 300 Area Remedial Actions		
Description/Justification of Change This change establishes a date for the completion of all 300 Area interim remedial actions as required by M-016-03A and modifies the M-016-00B milestone description. The date established under the M-016-03A milestone is the compliance date for M-016-00B. The completion of the 300 Area interim remedial actions includes: Remediation of all identified waste sites, EPA and/or Ecology approval of associated closeout verification packages, backfill and re-vegetation of the identified waste sites in accordance with an approved Remedial Design/Remedial Action (RDRA) workplan. The following 300 Area milestones remain the same:		
Milestone	Description	Date
M-016-03G	Establish an Environmental Restoration Disposal Facility (ERDF) staging area that is ready to receive drummed waste from the 618-4 Burial Ground in accordance with an ERDF Record of Decision Amendment	9/30/2002
M-016-03H	Complete Remediation of the waste sites in the 300-FF-1 Operable Unit to include excavation, verification, and regrading, including the 618-4 Burial Ground in accordance with an approved Remedial Design Report/Remedial Action Work Plan	12/31/2003
M-016-03I	Complete treatment of drummed waste from the 618-4 Burial Ground in accordance with an approved Remedial Design Report/Remedial Action Work Plan	TBD
Modifications/deletions to existing milestones are denoted using the redline/strikeout ; additions are denoted with shading. Description/Justification of Change continued on Pages 2 through 6		
Impact of Change Modifies regulatory requirements governing Hanford remediation activities. Administrative action required to incorporate this change into Appendix D.		
Affected Documents The Tri-Party Agreement Action Plan – Appendix D, as amended and Hanford site internal planning, management, and budget documents (e.g., USDOE and USDOE contractor Baseline Change Control documents; Multi Year Work Plans; Sitewide Systems Engineering Control documents; Project Management Plans; and the Hanford site Integrated Priority List and, if appropriate, LDR requirements should the subject wastes be generated as a result of this modification).		
Approvals		
_____	_____	_____Approved_____Disapproved
K. A. Klein, RL Manager	Date	
_____	_____	_____Approved_____Disapproved
L. J. Iani, EPA Region 10 Administrator	Date	
_____	_____	_____Approved_____Disapproved
T. C. Fitzsimmons, Ecology Director	Date	

Impact of Change (Continued)

Note that there are facilities that support the Hanford Site infrastructure that will remain in the 300 Area. Additionally, there may be waste sites that will not be remediated until the remaining facilities are removed due to their proximity to the facilities. The facilities and waste sites that remain will be documented and the path forward identified in milestone M-016-65.

M-016-03A will establish the compliance date for M-016-00B. The following are the remedial action changes associated with the overall River Corridor negotiations and specifically milestone M-016-03A:

Outside the Fence Milestones

Milestone Additions	Description	Date
M-016-60	Complete interim remedial actions for at least 3 of the following high environmental priority 300-FF-2 waste sites (316-4, 618-2, 618-3, 618-5 and 618-7) and complete confirmatory sampling of 300-FF-2 candidate sites 300-7 and 300-9.	12/31/2006
M-016-61	Complete interim remedial actions for the remaining high environmental priority 300-FF-2 waste sites (316-4, 618-2, 618-3, 618-5 and 618-7)	12/31/2008
M-016-62	Complete interim remedial actions for the following 300-FF-2 waste sites: 300-8, 300-18, 300-VTS, 316-4, 600-47, 600-259, 618-2, 618-3, 618-5, 618-7, 618-8, and 618-13 (See Table 1 in TPA Change Request M-16-01-06)	12/31/2012

Definitions for milestones M-016-60 through 62.

Outside the Fence: All accessible 300-FF-2 waste sites that lie north of building 3720 and the 313/333 building complex and that lie west of Stevens Dr. as identified in Table 1. (Excluding the 618-10 and 618-11 burial grounds)

Complete Interim Remedial Actions: Completion of the excavation, EPA and/or Ecology approval of the closeout verification package (CVP), backfill and re-vegetation for the waste sites in accordance with an approved RDRA Work Plan.

Complete Confirmatory Sampling: Complete sampling necessary to determine whether or not the waste site meets criteria for cleanup or can be closed out from the Waste Information Data System.

Inside the Fence Milestones

Milestone Additions	Description	Date
M-016-63	Submit a schedule and TPA milestones to complete interim remedial actions for the following 300-FF-2 waste sites (300-259, 303-M SA, 303-M UOF, UPR 300-46, UPR 300-17, and 618-1) and confirmatory sampling of the following 300-FF-2 candidate sites (300-109, 300-110, and 333 ESHWSA) (See Table 2 in TPA Change Request M-016-01-06)	6/30/2003
M-016-64	Complete interim remedial actions for the following 300-FF-2 waste sites: (300-259, 303-M SA, 303-M UOF, UPR 300-46, UPR 300-17, and 618-1) (See Table 2 in TPA Change Request M-016-01-06)	9/30/2010
M-016-65	Submit a schedule and TPA milestones to complete interim remedial actions for the 300-FF-2 waste sites and confirmatory sampling of 300-FF-2 candidate sites Inside the Fence.	9/30/2007

Definitions for Milestones M-016-63 through M-016-65

Inside the Fence: All 300-FF-2 waste sites that lie within or south of the building 3720 and 313/333 building complex northern boundaries and that lie east of Stevens Dr. and all other remaining waste sites within the scope of the 300-FF-2 Record of Decision. (Excluding the 618-10 and 618-11 burial grounds)

Complete Interim Remedial Actions: Completion of the excavation and EPA and/or Ecology approval of the closeout verification package (CVP) in accordance with an approved RDRA Work Plan. Backfill and re-vegetation for the waste sites will be addressed in Milestone M-016-65. Facility disposition will be performed in accordance with milestone M-094-03.

Schedule: The schedule shall include at least: 1) Dates for initiating and completing interim remedial actions at waste sites and associated impeding surplus facilities; and 2) any documents requiring EPA and/or Ecology approval prior to initiating remedial actions, e.g., Remedial Design/Remedial Action Work Plans, Engineering Evaluation/Cost Analyses (EE/CAs), Removal Action Memoranda, Removal Action Work Plans, etc. It is expected that schedules will be aligned with the associated schedules required by M-094-01 and M-094-04.

Complete Confirmatory Sampling: Complete sampling necessary to determine whether or not the waste site meets criteria for cleanup or can be closed out from the Waste Information Data System.

618-10 and 618-11 Milestones

Milestone/Additions	Description	Date
M-016-66	<p>Initiate intermediate design and authorization safety analysis for remedial actions at the 618-10 and 618-11 burial grounds.</p> <p>The intermediate design shall include, at a minimum, a design basis report, remediation approach (i.e., process definition), site lay out, evaluation of infrastructure requirements (i.e., M-091 and Waste Isolation Pilot Plant [WIPP] Integration planning), and planning for treatability tests. Intermediate design activities will utilize WIPP Remote Handled Transuranic (RH-TRU) and M-91 Waste Acceptance Criteria, an evaluation of RH TRU technology development efforts and an evaluation of lessons learned from other ongoing DOE Complex TRU excavation efforts.</p> <p>The authorization safety analysis shall include at a minimum any approvals required to support additional site characterization within 618-10 and 618-11 burial grounds for design purposes and any treatability investigations.</p>	9/30/2004
M-016-67	<p>Submit an intermediate design report, a remediation schedule and a treatability investigation work plan for remedial actions at the 618-10 and 618-11 burial grounds.</p> <p>The intermediate design report should represent a 60% complete design report.</p> <p>The treatability investigation work plan must be consistent with WIPP RH TRU and M-91 Waste Acceptance Criteria and will be submitted as a TPA Primary Document.</p> <p>The remediation schedule must identify: 1) dates for initiating and completing interim remedial actions at waste sites; 2) any documents requiring EPA and/or Ecology approval prior to initiating remedial actions, e.g., RDRA Work Plans, etc.</p>	3/31/2007

Completion Milestones

Milestone	Description	Date
M-016-00B	Complete all Interim 300 Area Remedial Actions. This includes the completion of the excavation, EPA and/or Ecology approval of the closeout verification package (CVP), backfill and revegetation for the waste sites. For 618-10/11 remediation includes excavation and transport of waste from the 618-10 and 618-11 Burial Grounds to appropriate processing facilities (WRAP for Contact Handled-TRU and M-91 for RH-TRU waste), ERDF or other approved disposal facilities, site closeout verification reports, backfill, and regrading of the waste sites. Facility disposition will be performed in accordance with milestone M-094-00.	09/30/2018

**Table 1: Waste Sites Outside the Fence
(Tri-Party Agreement Change Request M-016-01-06)**

Waste Site Number	Site Description
Waste Site 300-8	Aluminum Shavings Area
Waste Site 300-18	Surface Contaminated Dumping Area #4
Waste Site 300-VTS	In Situ Vitrification Test Area
Waste Site 316-4	300 Area North Cribs
Waste Site 600-47	Dumping Area
Waste Site 600-259	Grout Waste Test Lysimeter
Burial Ground 618-2	Solid Waste Burial Ground #2
Burial Ground 618-3	Dry Waste Burial Ground
Burial Ground 618-5	Burial Ground #5
Burial Ground 618-7	Drums of Pyrophoric Zircaloy Chips in Water, with Uranium and Beryllium
Burial Ground 618-8	Uranium-Contaminated Soil Under a Parking Lot
Burial Ground 618-13	303 Building Contaminated Soil Burial Ground

**Table 2: Waste Sites Inside the Fence
(Tri-Party Agreement Change Request M-016-01-06)**

Waste Site Number	Site Description
Candidate Waste Site 300-109	333 Building Storm Water Runoff
Candidate Waste Site 300-110	333 Building Storm Water Runoff
Candidate Waste Site 333 ESHWSA	333 Building East Side Hazardous Waste Storage Area
Waste Site 300-259	Contamination Area Surrounding 618-1 Burial Ground
Waste Site 303-M SA	303M Building Storage Area
Waste Site 303-M UOF	303M Uranium Oxide Facility
Waste Site UPR 300-46	Contaminated Soil (North of 333 Buildings)
Waste Site UPR 300-17	Contaminated asphalt area (at southeast corner of 333 Building)
Burial Ground 618-1	Solid Waste Burial Ground #1

The portions of the 300-15, 300-224, 300-258 waste sites that impinge upon ongoing cleanups associated with this table, shall be evaluated and included in the scope of remediation activity, to the extent feasible. Technical feasibility will be evaluated as part of the Remedial Design/Remedial Action Work Plan process.