

**TRI-PARTY AGREEMENT**

Change Notice Number TPA-CN- 662	TPA CHANGE NOTICE FORM	Date: May 26, 2015
Document Number, Title, and Revision: Remedial Design Report/Remedial Action Work Plan for the 100 Area, DOE/RL-96-17, Revision 6. <b>01 00553</b>		Date Document Last Issued: September 2009
Originator: M. K. Stewart		Phone: 509-373-5818

**Description of Change:**  
Modification of Figure 3-2 and Table 3-1 to update TPA Interim Milestone Due Date Changes per TPA Change Form M-16-15-03.

M.S. French **DOE** and R.A. Lobos **Lead Regulatory Agency** agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

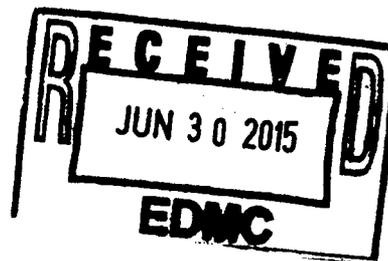
Figure 3-2. Tri-Party Agreement Milestones for 100 Area CERCLA Cleanup and Table 3-1. Summary of Relevant Tri-Party Agreement Milestones are modified to match Milestones M-016-00C, M-016-186, and M-016-143 due dates of 9/30/2024, 12/31/2023, and 9/30/2024, respectively, per TPA Change Form M-16-15-03.

Figure 3-2 and Table 3-1 are attached (Pages 3-29, 3-32, 3-33, and 3-34).

Figure 3-2 has been replaced entirely, the outdated figure is included with a strikeout. Modifications to Table 3-1 are denoted by using strikeout to indicate deletions and double underline to indicate text additions.

**Justification and Impacts of Change:**

This change modifies the work plan to align with the due date per TPA Change Form M-16-15-03.

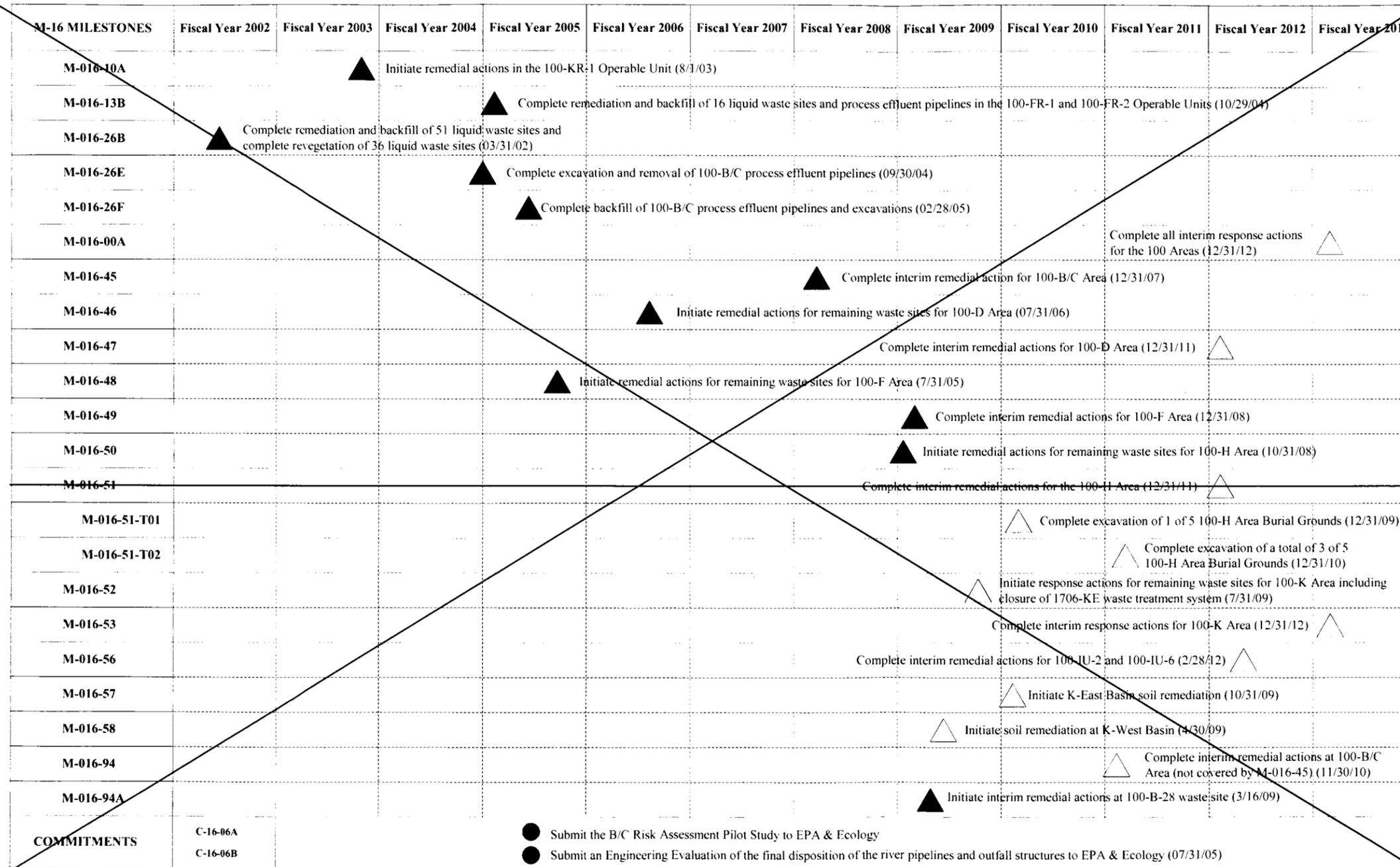


**Approvals:**

<u>M.S. French</u> DOE Project Manager	<u>6/5/15</u> Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
<u>[Signature]</u> EPA Project Manager	<u>6/8/15</u> Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
N/A Ecology Project Manager	_____ Date	<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved

Remedial Action Approach and Management

Figure 3-2. Tri-Party Agreement Milestones for 100 Area CERCLA Cleanup.



LEGEND  
 △ TPA Milestone  
 ▲ Completed TPA Milestone  
 ● Completed Commitment

Note: Milestones subject to change per Tri-Party Agreement negotiations.

- Submit the B/C Risk Assessment Pilot Study to EPA & Ecology
- Submit an Engineering Evaluation of the final disposition of the river pipelines and outfall structures to EPA & Ecology (07/31/05)

**Figure 3-2. Tri-Party Agreement Milestones  
for 100 Area CERCLA Cleanup.**

100 Area Milestones	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025-
M-016-149	▲	Complete 100-IU-2/6 interim response actions for the specified waste sites (3/31/2016)								
M-016-161	▲	Complete 100-D and 100-H Area interim response actions for the specified waste sites (3/31/2016)								
M-016-00A		▲	Complete all response actions for the specified 100 Areas units.							
M-016-186									▲	Initiate Soil Remediation Under 105-KW Fuel Storage Basin.
M-016-143									▲	Complete the interim response actions for 100-K within the perimeter boundary and to the river for Phase 2.
M-016-00C									▲	Complete all response actions in the 100K Area.
M-016-00									▲	Complete remedial actions for all non-tank farm and non-canyon operable units.

## Remedial Action Approach and Management

**Table 3-1. Summary of Relevant Tri-Party Agreement Milestones. (23 Pages)**

Milestone	Description	Due Date/ Complete Date
<i>General 100 Area Milestones</i>		
M-16-00	Complete remedial actions for all non-tank farm and non-canyon operable units.  Note: See operable unit LRA designation listing in Appendix C. It is assumed that the Record of Decision will be signed 6 months after the public comment period closes on the proposed plan. Per Action Plan Section 11.6 a day-for-day slip in the RD/RA Work Plan due date will be given for each day the remedy decision is not issued past the 6 month date. The document review, comment and approval process prescribed in the Action Plan of the HFFACO Section 9 will be followed. The schedule for completion of the construction of the remedy will reflect the scope and complexity of the selected remedial action. The schedule for remedial action implementation will be established upon regulatory agency approval of the RD/RA Work Plans and is enforceable as a HFFACO requirement.	September 30, 2024
M-016-00A	Complete all response actions for the 100 Areas units (except groundwater actions which are covered under Major Milestone M-016-00 and 100K Area response actions addressed in M-016-00C) by the specified due date as approved in a Remedial Design/Remedial Action Work Plan.  Completion of response actions is defined as the completion of the ROD or action memorandum requirements in accordance with an approved RD/RA work plan or removal action work plan and EPA and/or Ecology approval of waste site reclassification forms.	March 31, 2017
M-16-00C	Complete all response actions in the 100K Area.	<del>December 31, 2020</del> <u>September 30, 2024</u>
M-016-143	Complete the interim response actions for the 100K Area within the perimeter boundary and to the river for Phase 2 actions.  Phase 2 is defined in the 100 K Area RD/RA Work Plans.	<del>December 31, 2015</del> <u>September 30, 2024</u>
M-016-149	Complete 100-IU-2/6 interim response actions for the following waste sites: 600-293, 600-294, 600-298, 600-299, 600-300, 600-301, 600-303, 600-305, 600-309, 600-310, 600-313, 600-316, 600-318, 600-319, 600-320, 600-321, 600-328, 600-329, 600-331, 600-332, 600-334, 600-326, 600-349, 600-358, 600-368, 600-369, 600-370, 600-371, 600-372, 600-373, 600-374, 600-375, 600-376, 600-377, 600-378, 600-379.	March 31, 2016
M-016-161	Complete 100-D and 100-H Area interim response actions for the following waste sites: 100-D-30, 100-D-31, 100-D-50 (except 100-D-50:2), 100-D-69, 100-D-72, 100-D-77, 100-D-83, 100-D-84, 100-D-85, 100-D-86, 100-D-97, 100-D-98:2, 100-D-99, 100-D-100, 100-D-103, 100-D-104, 100-D-105, 100-D-106, 100-H-28, 100-H-38, 100-H-42, 100-H-44, 100-H-46, 100-H-49, 100-H-51, 100-H-53, 100-H-56, 100-H-59, and 600-385, including revegetation of 100-D and 100-H waste sites.  Complete decommissioning of the in-situ redox manipulation pond (147-D), a surface impoundment constructed as part of the 100-HR-4 Operable Unit interim remedial action	March 31, 2016
M-016-186	Initiate Soil Remediation Under 105-KW Fuel Storage Basin	<del>December 31, 2019</del> <u>December 31, 2023</u>

## Remedial Action Approach and Management

**Table 3-1. Summary of Relevant Tri-Party Agreement Milestones. (23 Pages)**

Milestone	Description	Due Date/ Complete Date
<i>Completed Milestones</i>		
M-016-10A	Initiate remedial actions in the 100-KR-1 OU.	August 01, 2003 Completed Dec. 11, 2002
M-016-13B	Complete remediation and backfill of 16 liquid waste sites and process effluent pipelines in the 100-FR-1 and 100-FR-2 OUs.	October 29, 2004 Completed May 20, 2003
M-016-26B	Complete remediation and backfill of 51 liquid waste sites in the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, and 100-HR-1 OUs. Complete revegetation of 36 liquid waste sites in the 100-BC-1, 100-DR-1, 100-DR-2, and 100-HR-1 OUs.	March 31, 2002 Completed Dec. 11, 2001
M-016-26E	Complete excavation and removal of 100-B/C process effluent pipelines.	September 30, 2004 Completed Nov. 5, 2003
M-016-26F <sup>a</sup>	Complete backfill of 100-B/C process effluent pipelines and excavations.	February 28, 2005 Completed May 7, 2004
M-016-45	Complete the interim remedial action for the 100-B/C Area.	December 31, 2007 Completed Dec. 30, 2007
M-016-46	Initiate remedial actions for remaining waste sites for the 100-D Area.	July 31, 2006 Completed June 13, 2006
M-016-48	Initiate remedial actions for the remaining waste sites for the 100-F Area.	July 31, 2005 Completed March 29, 2005
M-016-49	Complete the interim remedial actions for the 100-F Area.	December 31, 2008 Completed Dec. 1, 2008
M-016-50	Initiate remedial actions for the remaining waste sites for the 100-H Area.	October 31, 2008 Completed July 22, 2008
M-016-94A	Initiate interim remedial actions at 100-B-28 waste site.	March 16, 2009 Completed Feb. 5, 2009
M-016-94A	Initiate interim remedial actions at 100-B-28 waste site.	March 16, 2009 Completed Feb. 5, 2009
M-016-47	Complete the interim remedial actions for the 100-D Area.	December 31, 2011 Completed December 8, 2011
M-016-51	Complete the interim remedial actions for the 100-H Area.	December 31, 2011 Completed December 8, 2011
M-016-51-T01	Complete excavation of 1 of 5 100-H Burial Grounds (118-H-1, 118-H-2, 118-H-3, 118-H-4, or 118-H-5).	December 31, 2009 Completed September 30, 2009

## Remedial Action Approach and Management

**Table 3-1. Summary of Relevant Tri-Party Agreement Milestones. (23 Pages)**

Milestone	Description	Due Date/ Complete Date
M-016-51-T02	Complete excavation of a total of 3 of 5 100-H Burial Grounds (118-H-1, 118-H-2, 118-H-3, 118-H-4, or 118-H-5).	December 31, 2010 Completed September 9, 2010
M-016-52	Initiate response actions for the remaining waste sites from the 100-K Area including closure of the 1706-KE Waste Treatment System in accordance with Section 5.5 of the Agreement Action Plan.	July 31, 2009 Completed July 9, 2009
M-016-53	Complete the interim response actions for the 100-K Area.	December 31, 2012 Completed November 29, 2012
M-016-56	Complete the interim remedial actions for the 100-IU-2 and 100-IU-6 OUs.	Feb. 28, 2012 Completed Feb. 6, 2012
M-016-57	Initiate K-East Basin soil remediation.	October 31, 2009 Completed September 9, 2009
M-016-94	Complete the interim remedial actions at 100-B/C (not covered by M-16-45).	Nov. 30, 2010 Completed April 16, 2010
M-016-145	Complete the interim response actions for 100-K Area facilities and waste sites not included as Phase 1, Phase 2, or Phase 3 work. These are the facilities and waste sites which are outside the 100-K perimeter boundary. Phase 1, Phase 2, and Phase 3 facilities and waste sites are defined in the 100-K Area RD/RA work plans.	December 31, 2012 Completed December 31, 2012
M-016-158	Complete interim response actions for the following 100-D and 100-H Area waste sites: 100-D-8, 118-D-2, 118-D-3, 116-H-5, 126-H-2, 128-H-1, 132-H-3 (Backfill and revegetation of 116-H-5 and revegetation of 118-D-2, 118-D-3, and 132-H-3 will be deferred to M-16-161 to support the remaining waste site remediation activities.)	March 31, 2013 Completed January 3, 2013
M-016-159	Complete interim response actions for the following 100-D and 100-H Area waste sites: 100-D-14, 100-D-56, 100-D-62, 100-D-63, 100-D-65, 100-D-66, 100-D-71, 100-D-73, 100-D-75:2, 100-D-76, 100-D-78, 100-D-80, 100-D-81, 100-D-96, 100-D-101, 100-D-102, 116-DR-3, 118-D-6:4, 1607-D1, 1607-D2, 100-H-37, 100-H-43, 100-H-48, 100-H-52, 100-H-57.	March 31, 2015 Completed March 16, 2015
<b>Additional Commitments</b>		
C-16-06A	Submit the 100-B/C risk assessment pilot study to EPA and Ecology.	July 31, 2005 Completed July 13, 2005
C-16-06B	Submit an engineering evaluation of the final disposition of the river pipelines and outfall structures to EPA and Ecology.	July 31, 2005 Completed April 19, 2005

<sup>a</sup> Tri-Party Agreement Milestone M-016-26F has an associated commitment to submit the 100-B/C risk assessment pilot study to EPA and Ecology (completed July 13, 2005).

Ecology = Washington State Department of Ecology

EPA = U.S. Environmental Protection Agency

OU = operable unit