


<b>Change Number</b> M-16-21-06	<b>Federal Facility Agreement and Consent Order Change Control Form</b>		<b>Date</b> 6/10/2021
<b>Originator</b> Mark French			<b>Phone</b> 509-373-9863
<b>Class of Change</b> <input type="checkbox"/> I – Signatories	<input checked="" type="checkbox"/> II – Executive Managers	<input type="checkbox"/> III – Project Managers	
<b>Change Title</b> Milestone M-016-86 Enhanced Monitoring and Revised Completion Schedule in TPA Appendix D			
<b>Description/Justification of Change</b>  <p>This change control form proposes to establish four new interim milestones and five new target dates in the Hanford Federal Facility Agreement and Consent Order (HFFACO) or Tri-Party Agreement (TPA), Appendix D for monitoring and remediating the 618-11 Burial Ground.</p> <p>This change control form will also align the due date for interim Milestone M-016-86 with the anticipated availability of funds and personnel resources. With the approval of TPA Change Notice TPA-CN-0917 (reference DOE/RL-2014-42, 300-FF-5 Operable Unit Remedy Implementation Sampling and Analysis Plan, Rev 0, approved September 23, 2021), the U.S. Department of Energy (DOE) has committed to perform enhanced groundwater monitoring around the 618-11 Burial Ground. This additional data will determine if interim actions are warranted prior to initiating remediation. Validated data from enhanced groundwater monitoring for 618-11 (inclusive of data from future Sampling and Analysis Plan [SAP] revisions) will be presented at the 100/300 Unit Managers Meeting. After one year of enhanced monitoring data collection, DOE will provide an interim evaluation briefing to the U.S. Environmental Protection Agency (EPA) of progress toward interim Milestone M-016-87.</p> <p>As outlined in Target Dates M-016-88-T01 and M-016-88-T02, DOE will solicit feedback from the U.S. Environmental Protection Agency (EPA) during the remedial design planning stage.</p> <p style="text-align: center;"><i>Continued on page 2.</i></p>			
<b>Impact of Change</b> This change control form establishes 4 new interim milestones and 5 new target dates for monitoring and remediating the 618-11 Burial Ground. The proposed completion date for interim Milestone M-016-86 will be re-established by interim Milestone M-016-89. There is no impact to Major Milestone M-016-00 with this change.			
<b>Affected Documents</b> The Hanford Federal Facility Agreement and Consent Order (HFFACO), as amended, and Hanford Site internal planning management, and budget documents (e.g., USDOE and USDOE contractor Baseline Change Control documents, Project Management Plans).			
<b>Approvals</b>			Page  1 of 3
<b>William F. Hamel</b> Digitally signed by William F. Hamel Date: 2022.02.10 16:14:23 -08'00' Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>			
W.F. Hamel, DOE-RL  Digitally signed by DAVID EINAN Date: 2022.02.10 17:43:14 -08'00' Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>			
D.R. Einan, EPA Date _____ Approved _____ Disapproved _____			
N/A D.B. Bowen, Ecology Date _____ Approved _____ Disapproved _____			

**Authorized Changes**

Modifications to HFFACO Appendix D, "Milestones and Target Dates Including Designation of Lead Regulatory Agency," are denoted by using ~~strikeout~~ to indicate text deletions and double underline to indicate text additions.

Number	Milestone	Due Date
<u><b>M-016-87-T01</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Submit to EPA the Data Quality Objectives (DQO) for enhanced monitoring around 618-11.</u>	<u>6/30/2022</u>
<u><b>M-016-87-T02</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Submit to EPA the final Sampling and Analysis Plan (SAP), if changes (e.g., target analytes, sample frequency, etc.) are needed to satisfy the DQOs.</u> <u>Update the 618-11 conceptual site model and create the vadose zone model to be updated with the enhanced monitoring data. Submit to EPA the associated Environmental Calculation Files.</u> <u>Submit interim action alternative analysis to EPA for reducing infiltration at 618-11.</u>	<u>12/31/2022</u>
<u><b>M-016-87-T03</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Complete well implementation around 618-11, if needed to satisfy the DQOs.</u>	<u>6/30/2023</u>
<u><b>M-016-87</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Submit an annual evaluation of results of enhanced groundwater monitoring near the 618-11 Burial Ground. If the evaluation indicates that interim actions are warranted to ensure protection of human health and the environment, DOE will recommend interim actions commensurate with the enhanced monitoring results.</u> <u>This milestone will continue on an annual basis and will be discontinued through joint EPA/DOE agreement via an approved change control form to delete this milestone.</u>	<u>6/30/2024</u> <u>And Annually Thereafter</u>

Number	Milestone	Due Date
<u><b>M-016-88</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Initiate remediation planning, as well as coordination with Energy Northwest for remediation of the 618-11 Burial Ground.</u> <u>Remedial planning will take into account the results of the enhanced groundwater monitoring.</u>	<u>9/30/2025</u>
<u><b>M-016-88-T01</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Submit to EPA for review, a preliminary design (e.g., preliminary drawings, preliminary specifications, design criteria/basis of design, preliminary schedule, etc.) for remediation of the 618-11 Burial Ground.</u>	<u>9/30/2026</u>
<u><b>M-016-88-T02</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Submit to EPA for review, an intermediate design (e.g., intermediate drawings, specifications, schedule, etc.) for remediation of the 618-11 Burial Ground.</u>	<u>9/30/2027</u>
<u><b>M-016-89</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Submit to EPA the Remedial Design/Remedial Action Work Plan with updated schedule for remediating the 618-11 Burial Ground.</u>	<u>9/30/2028</u>
<u><b>M-016-90</b></u> <u>Lead Regulatory Agency: EPA</u>	<u>Initiate remediation of the 618-11 Burial Ground.</u>	<u>9/30/2030</u>
<b>M-016-86</b> Lead Regulatory Agency: EPA	Complete remedial actions for 618-11 burial ground in accordance with RD/RA Work Plan for 300-FF-2 Soils (DOE/RL-2014-13-ADD1).	<del>9/30/2021</del> <u>To Be Determined In Accordance With Milestone M-016-89</u>