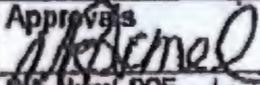
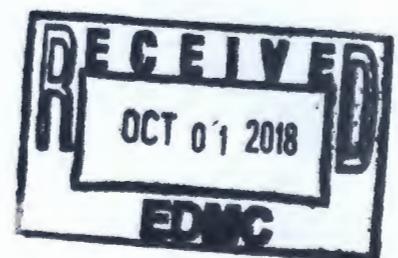


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Change Number M-92-18-03	Federal Facility Agreement and Consent Order Change Control Form	Date 03/28/2018
Originator Al Farabee		Phone (509) 376-8089
Class of Change <input type="checkbox"/> I - Signatories	<input checked="" type="checkbox"/> II - Executive Managers	<input type="checkbox"/> III - Project Managers
Change Title New Interim Milestone M-092-21 (Cesium and Strontium Capsules)		
Description/Justification of Change <p>This change control form establishes new Interim Milestone M-092-21 and new Target Milestones M-092-21-T01, M-092-21-T02, and M-092-21-T03.</p> <p>Newly proposed Interim Milestone M-092-21 requires completion of the transfer of the cesium (Cs) and strontium (Sr) capsules from the Waste Encapsulation and Storage Facility, known as WESF, to a new dangerous waste-permitted interim safe storage facility on the Hanford Site. This is an interim step that allows continued safe storage of the capsules until a disposal decision is made.</p> <p>For the cesium and strontium capsules, remaining activities from Milestone M-092-00 had not been scheduled because a final disposal option has not been selected. One option for capsule disposal is processing at the Hanford Waste Treatment and Immobilization Plant (WTP). Another option is disposal to the National Repository, which is indefinitely on hold (with a goal to facilitate availability by 2048). The WTP is currently scheduled to operate until 2047, according to the Amended Consent Decree Between Department of Energy and State of Washington, Case 2:08-cv-05085-RMP, Document 222, dated March 11, 2016. The acquisition of new facilities for treatment/processing and final disposition of the capsules is expected occur before the WTP option is no longer available.</p> <p style="text-align: center;"><i>Continued on page 2</i></p>		
Impact of Change This change control form establishes Interim Milestone M-092-21 and Target Milestones M-092-21-T01, M-092-21-T02, and M-092-21-T03.		
Affected Documents HFFACO (Tri-Party Agreement) Action Plan Appendix D, "Work Schedule Milestones and Target Dates Including Designation of Lead Regulatory Agency."		
Approvals  Alexander K. Smith by John B. P... A.K. Smith, Ecology N/A ERA	Date 9/27/18 Date 9/27/18 Date	Approved <input checked="" type="checkbox"/> Disapproved _____ Approved <input checked="" type="checkbox"/> Disapproved _____ Approved _____ Disapproved _____
		Page 1 of 4



Change Number M-92-18-03	Federal Facility Agreement and Consent Order Change Control Form		Date 03/28/2018
Originator Al Farabee			Phone (509) 376-8089
Class of Change <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Managers <input type="checkbox"/> III – Project Managers			
Change Title New Interim Milestone M-092-21 (Cesium and Strontium Capsules)			
Description/Justification of Change <p>This change control form establishes new Interim Milestone M-092-21 and new Target Milestones M-092-21-T01, M-092-21-T02, and M-092-21-T03.</p> <p>Newly proposed Interim Milestone M-092-21 requires completion of the transfer of the cesium (Cs) and strontium (Sr) capsules from the Waste Encapsulation and Storage Facility, known as WESF, to a new dangerous waste-permitted interim safe storage facility on the Hanford Site. This is an interim step that allows continued safe storage of the capsules until a disposal decision is made.</p> <p>For the cesium and strontium capsules, remaining activities from Milestone M-092-00 had not been scheduled because a final disposal option has not been selected. One option for capsule disposal is processing at the Hanford Waste Treatment and Immobilization Plant (WTP). Another option is disposal to the National Repository, which is indefinitely on hold (with a goal to facilitate availability by 2048). The WTP is currently scheduled to operate until 2047, according to the Amended Consent Decree Between Department of Energy and State of Washington, Case 2:08-cv-05085-RMP, Document 222, dated March 11, 2016. The acquisition of new facilities for treatment/processing and final disposition of the capsules is expected occur before the WTP option is no longer available.</p> <p style="text-align: center;"><i>Continued on page 2</i></p>			
Impact of Change This change control form establishes Interim Milestone M-092-21 and Target Milestones M-092-21-T01, M-092-21-T02, and M-092-21-T03.			
Affected Documents HFFACO (Tri-Party Agreement) Action Plan Appendix D, "Work Schedule Milestones and Target Dates Including Designation of Lead Regulatory Agency."			
Approvals			Page 1 of 4
_____	_____	Approved _____ Disapproved _____	
W.F. Hamel, DOE	Date	Approved _____ Disapproved _____	
_____	_____	Approved _____ Disapproved _____	
A.K. Smith, Ecology	Date	Approved _____ Disapproved _____	
N/A	_____	Approved _____ Disapproved _____	
EPA	Date	_____	

Description/Justification of Change (continued)

Interim Milestone M-092-20 (established June 30, 2017) requires submittal of a “disposition pathways evaluation” for the cesium and strontium capsules beginning March 31, 2022, and every four years thereafter, until a final date for completion of M-092-00 is established.

Newly proposed Interim Milestone M-092-21 requires completion of the transfer of the cesium and strontium capsules from the WESF to a new dangerous waste-permitted interim safe storage facility on the Hanford Site. This interim step will allow continued safe storage of the capsules until a disposal decision is made.

The Washington State Department of Ecology (Ecology) and U.S. Department of Energy, Richland Operations Office (DOE-RL) recognize that a mutually cooperative and constructive approach is needed to complete the permitting process, which is a fundamental part of completing Interim Milestone M-092-21.

Newly Proposed Target Milestones M-092-21-T01, M-092-21-T02, and M-092-21-T03, set forth a series of follow on actions to develop the conceptual, preliminary, and final designs for a permitted facility/capability to implement disposal of the cesium and strontium capsules. Target milestones M-092-21-T02 and M-092-21-T03 will be converted to interim enforceable milestones based on each prior target milestone.

Authorized Changes

Modifications to the HFFACO are displayed by using double underline to indicate added text and ~~strikeout~~ to indicate deleted text.

Number	Milestone	Due Date
<p><u>M-092-21</u> <u>Lead Regulatory Agency: Ecology</u></p>	<p><u>Complete the transfer of the cesium and strontium capsules from the Waste Encapsulation and Storage Facility, known as WESF, to a new, permitted, interim safe storage facility.</u></p>	<p><u>08/31/2025</u></p>

Authorized Changes (continued)

Modifications to the HFFACO are displayed by using double underline to indicate added text and ~~strikeout~~ to indicate deleted text.

Number	Milestone	Due Date
<p><u>M-092-21-T01</u> <u>Lead Regulatory Agency: Ecology</u></p>	<p><u>Submit to Ecology a Conceptual Design Report Package (30% design) for any new Hanford facility/capability necessary to implement disposal of the Cs/Sr Capsules.</u></p> <p><u>The Conceptual Design Report package shall include the Conceptual Design Report, Functional Requirements Document, Functional Design Criteria Document, preliminary drawings, DOE expectations for safety in design, preliminary cost estimate, and preliminary schedule for the design, construction, and operation of the facility/capability.</u></p> <p><u>The preliminary schedule for the design, construction and operation of the facility referred to in the paragraphs above shall not be enforceable.</u></p> <p><u>DOE shall submit with the Conceptual Design Package a TPA Change Control Form (in accordance with TPA Action Plan Section 12.0) to replace the M-092-21-T02 target date for Preliminary Design with an enforceable interim milestone drawn from the conceptual design package schedule with allowance added to address schedule margin.</u></p>	<p><u>12/30/2040</u></p>
<p><u>M-092-21-T02</u> <u>Lead Regulatory Agency: Ecology</u></p>	<p><u>Submit to Ecology, a Preliminary Design Report package (60% design) for any new Hanford facility/capability necessary to implement disposal of the Cs/Sr Capsules.</u></p> <p><u>The Preliminary Design Report package shall include the Preliminary Design Report and updated documents including: Functional Requirements Document, Functional Design Criteria Document, preliminary drawings, DOE expectations for safety in design, preliminary cost estimate, and preliminary schedule for the design, construction, and operation of the facility.</u></p> <p><u>This target date will be updated and converted to an enforceable milestone in accordance with the TPA Change Control Form submitted pursuant to M-092-21-T01.</u></p> <p><u>DOE shall submit with the Preliminary Design Package a TPA Change Control Form (in accordance with TPA Action Plan Section 12.0) to replace the M-092-21-T03 target date for Final Design with an enforceable interim milestone drawn from the preliminary design package schedule with allowance added to address risk-informed schedule margin.</u></p>	<p><u>06/30/2042</u></p>

Authorized Changes (continued)

Modifications to the HFFACO are displayed by using double underline to indicate added text and ~~strikeout~~ to indicate deleted text.

Number	Milestone	Due Date
<p><u>M-092-21-T03</u> <u>Lead Regulatory Agency: Ecology</u></p>	<p><u>Submit to Ecology a Final Design Report (90%-100%) design package for any new Hanford facility/capability necessary to implement disposal of the Cs/Sr Capsules.</u></p> <p><u>The Final Design Report package shall include the Final Design Report and updated documents including: Functional Requirements Document, Functional Design Criteria Document, final drawings, DOE expectations for safety in design, cost estimate, schedule for the design, construction, and operation of the facility, and punchlist, if needed.</u></p> <p><u>This target date will convert to an enforceable milestone in accordance with the TPA Change Control Form submitted pursuant to M-092-21-T02.</u></p>	<p><u>09/30/2043</u></p>