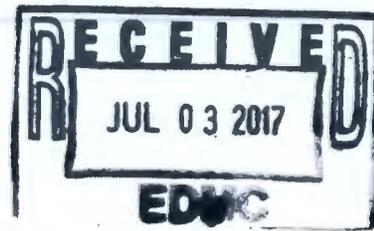


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Change Number M-92-17-01	Federal Facility Agreement and Consent Order Change Control Form Do not use blue ink. Type or print using black ink.	Date 06/22/17																		
Originator Al Farabee		Phone (509) 376-8089																		
Class of Change <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Executive Manager <input type="checkbox"/> III - Project Manager																				
Change Title Establish One Interim Milestone for the Management of Cesium and Strontium (Cs/Sr) Capsules																				
Description/Justification of Change <p>This Change Control Form documents the completion of interim milestone M-092-05 and establishes a new interim milestone for the management of Hanford Site Cs/Sr capsules.</p> <p>M-092-05 was created in 1996 to include the 1,929 Cs/Sr capsules in the Phase II Waste Treatment Plant (WTP) request for proposals. Tri-Party Agreement Change Control Form M-92-03-02 modified milestone M-092-05 by authorizing the Department of Energy (DOE) to assess the viability of directly disposing the Cs/Sr capsules at the Yucca Mountain Nuclear High Level Waste (HLW) repository as an alternative to vitrification. Work on the Yucca Mountain Nuclear HLW Repository ended on April 14, 2011 as a result of an amendment to a U.S. Department of Defense appropriations action. This leaves DOE without a viable disposal option for spent nuclear fuel and high-activity wastes, such as the Cs/Sr capsules.</p> <p>DOE continues to work on disposal options for radioactive waste that includes the Cs/Sr capsules. Until a final disposal option is available, it will be necessary to provide safe, compliant and cost effective interim storage of the capsules.</p> <p><i>Description/Justification of Change continued on next page.</i></p>																				
Impact of Change This Change Control Form establishes a new interim milestone M-092-20 and completes interim milestone M-092-05.																				
Affected Documents The Hanford Federal Facility Agreement and Consent Order (HFFACO), as amended, and Hanford Site internal planning management and budget documents.																				
Approvals <table border="0"> <tr> <td data-bbox="133 1522 243 1564">J.R. Franco DOE</td> <td data-bbox="259 1470 617 1585"><i>Joe Franco</i></td> <td data-bbox="641 1480 779 1564"><u>6/30/17</u> Date</td> <td data-bbox="803 1480 868 1543">✓</td> <td data-bbox="868 1522 966 1543">Approved</td> <td data-bbox="1031 1522 1144 1543">Disapproved</td> </tr> <tr> <td data-bbox="133 1617 178 1659">NA EPA</td> <td></td> <td></td> <td></td> <td>Approved</td> <td>Disapproved</td> </tr> <tr> <td data-bbox="133 1711 243 1753">A. K. Smith Ecology</td> <td data-bbox="276 1659 584 1743"><i>Amy Smith</i></td> <td data-bbox="657 1680 795 1753"><u>6/30/17</u> Date</td> <td data-bbox="828 1648 933 1722">✓</td> <td>Approved</td> <td>Disapproved</td> </tr> </table>		J.R. Franco DOE	<i>Joe Franco</i>	<u>6/30/17</u> Date	✓	Approved	Disapproved	NA EPA				Approved	Disapproved	A. K. Smith Ecology	<i>Amy Smith</i>	<u>6/30/17</u> Date	✓	Approved	Disapproved	Page 1 of 2
J.R. Franco DOE	<i>Joe Franco</i>	<u>6/30/17</u> Date	✓	Approved	Disapproved															
NA EPA				Approved	Disapproved															
A. K. Smith Ecology	<i>Amy Smith</i>	<u>6/30/17</u> Date	✓	Approved	Disapproved															

M-092-00
 M-092-05
 M-092-20



Description/Justification of Change (continued)

The new interim milestone, related to the treatment, storage, and disposal of the Cs/Sr capsules is:

- Milestone M-092-20 requires DOE to submit a disposition pathway evaluation for the cesium and strontium capsules by March 31, 2022, and every four years thereafter, until such time that disposition is determined.

As the work on evaluating disposal options continues, milestone M-092-20 will require DOE to evaluate the progress of this work and describe disposition pathways every four years, until a final date for completion of M-092-00 is established.

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
<p><u>M-092-20</u> <u>Lead Regulatory</u> <u>Agency: Ecology</u></p>	<p><u>Submit to Ecology a disposition pathways evaluation for the cesium and strontium capsules.</u></p> <p><u>This evaluation shall consider (1) current laws and regulations that affect disposal pathways, (2) potential changes to laws and regulations, (3) existing and reasonably possible options for the disposal of nuclear waste, (4) comparison of the baseline disposal scenario (i.e. vitrification at the Waste Treatment Plant (WTP)) and alternative disposal pathways, including direct disposal at a deep geological repository, (5) comparison of potential disposal site acceptance criteria for all reasonably possible disposal pathways, (6) capability to vitrify the capsules at WTP, and (7) comparison of the baseline interim storage scenario (i.e. dry storage at Hanford) with alternative interim storage options, including shipment to a treatment and storage facility, known as a TSD, off the Hanford Site.</u></p> <p><u>First evaluation is due March 31, 2022. Subsequent evaluations are due every four years thereafter until a final date for completion of M-092-00 is established.</u></p>	<p><u>03/31/2022</u> <u>And Every Four</u> <u>Years</u> <u>Thereafter</u></p>

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