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| Change Number M-40-95-01 | Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small> | Date June 1, 1995 |
| Originator M. F. Jarvis/ M. A. McLaughlin | Phone (509)376-4550/(509)376-4084 | |
| Class of Change <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Project Manager <input type="checkbox"/> III - Unit Manager | | |
| Change Title Delete Milestones M-40-04-T02 and M-40-04 | | |
| Description/Justification of Change Delete the following milestones related to removal of the organic layer from tank 241-C-103: M-40-04-T02 Remove Organic Layer Directly to Double Shell July 1996 Tank System. M-40-04 Complete Removal of Floating Organic Layer December 1996 From Tank 241-C-103... Hanford Federal Facility Agreement and Consent Order Change Control Form (Change Request) M-40-94-05, approved October 12, 1994, established targets M-40-04-T01 and M-40-04-T02, as well as the completion date for Milestone M-40-04. (Continued on page 2) | | |
| Impact of Change This change deletes Target M-40-04-T02 and Milestone M-40-04. The organic layer in tank 241-C-103 will remain in place until the tank is interim stabilized. The change permits a safer approach for handling the floating organic layer by reducing personnel radiation exposure and potential exposure to noxious vapors. | | |
| Affected Documents Hanford Federal Facility Agreement and Consent Order - Appendix D, Work Schedule. | | |
| Approvals | | |
| DOE | <i>R. M. ...</i> 6/28/95 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved Date | |
| EPA | <i>Douglas R. Sheppard</i> 6/29/95 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved Date | |
| Ecology | <i>Roger ...</i> 6-28-95 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved Date | |

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Description/Justification of Change (cont.)

As provided in Change Request M-40-94-05, the parties agreed to delete Interim Milestone M-40-04 and Target Milestone M-40-04-T02 by June 30, 1995, if the decision was made to proceed to interim stabilization without separate removal of the organic layer in the tank.

The following documents have been provided to Ecology in support of the M-40-04-T01 decision to proceed without separate removal of the organic layer; they constitute the technical basis for deletion of the remaining M-40-04 interim and target milestones:

WHC-SD-WM-PLN-092. Rev. 0. Removal of Floating Organic in Hanford Waste Tank 241-C-103 Restart Plan. Dated October 1994. ✓

WHC-SD-WM-SARR-034. Rev. 0. Safety Evaluation for the Interim Stabilization of Tank 241-C-103. Dated April 1995.

WHC-SD-WM-SARR-001. Supplement 1. Risk from Organic Solvent Fires in C-103 Following Interim Stabilization. Dated April 1995. 36817

WHC-EP-0862. Recommended Alternative for Interim Stabilization of Tank 241-C-103. Dated April 1995.

WHC-SD-SARR-001. Rev. 0. Safety Basis for Interim Storage of Floating Organic Liquid in Tank 241-C-103. Dated January 1994. 36817

PNL-10412. Permeation of Tank C-103 Sludge Simulant by Organic Solvent. Dated March 1995. ✓

Foster Wheeler Environmental Corporation. Requirements and Actions for Pumping the Tank 241-C-103 Organic Layer to a Double-Shell Tank. March 1995. ✓

The assessment of options completed in fulfillment of Target M-40-04-T01 considered the following criteria: public health and safety, worker safety, environmental compliance, engineering feasibility, and cost. All of the options evaluated meet safe storage requirements for the waste currently stored within Tank 241-C-103.

In addition, the technical safety basis, methodology and conclusion which formed the basis of the decision were reviewed and discussed with the Department of Energy's Tank Advisory Panel Subcommittee on Chemical Reactions, and the Defense Nuclear Facilities Safety Board Technical Staff during March 1995. Consequently, the technical safety analyses lead to the decision to proceed with interim stabilization of Tank 241-C-103 without separate removal of the organic layer from the tank.