

Change Number M-05-91-1	FEDERAL FACILITY AGREEMENT AND CONSENT ORDER CHANGE CONTROL FORM <small>Do not use blue ink. Type, or print using black ink.</small>	Date 9-6-91
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Class of Change
 I - Signatories (Section 13.0)
 II - Project Manager
 III - Unit Manager

Change Title
 INTERIM STABILIZATION MILESTONE CHANGES FOR FISCAL YEARS 1991 - 1996

Description/Justification of Change

See attached pages for description and justification of change.

Impact of Change

See attached pages for impact of change.



Affected Documents
 Hanford Federal Facility Agreement and Consent Order Action Plan Calendar Year 1990 Annual Update, Appendix D (Table D-3 and Figure D-1 Work Schedule).

Approvals	___ Approved	___ Disapproved
DOE <i>[Signature]</i>		9/9/91
	Date	
EPA		Date
Ecology		Date

Description/Justification of Change:

Revise the M-05-03 through M-05-09 interim milestones for the numbers of tanks to be interim stabilized, and the dates associated with that stabilization.

The change request M-05-90-02, approved September 1990, revised the number of interim stabilized tanks for fiscal year (FY) 1990 from five to four tanks. Schedule slippage during FY 90 and FY 91 caused by on-going safety concerns on ferrocyanide, flammable gas and high organic salts have impacted the planning and documentation needed to start pumping to meet FY 91 commitments. The physical and material condition of tank farm facilities and the lack of adequate accurate drawings and documentation has impacted the stabilization schedule. Of the 44 tanks remaining to be interim stabilized, only 18 tanks are considered free of safety concerns and are available for pumping. The other 26 tanks are currently restricted from pumping until resolution of the on-going safety concerns. The pumping required to meet the FY 91 milestone is further complicated by the risk for non-compliance with Public Law 101-510, Section 3137 (Wyden Amendment), "SAFETY MEASURES FOR WASTE TANKS AT HANFORD NUCLEAR RESERVATION." These delays and complications have impacted the stabilization activities to such an extent that the interim milestones leading to complete stabilization of the single-shell tanks (M-05-00) by the end of FY 1995 require modification.

The activities leading to the stabilization of four single shell tanks planned for the FY 91 milestone are in place. This effort can be completed within 45 days following the resolution of the issue involving the Wyden Amendment, assuming that no re-engineering of the waste transfer routes is required. The issues associated with the material condition of facilities leading to the FY 92 milestone will be resolved by November 30, 1991, and a schedule for resolving the safety issues in single shell tanks will be available by January 31, 1992.

Therefore, the immediate changes required for the stabilization and isolation are as follows:

CURRENT SCHEDULE (Per CHANGE # 05-90-03 REV. 1)

<u>Milestone</u>	<u>Due Date</u>	<u>Stabilization</u>
M-05-03	September 30, 1991	9
M-05-04	September 30, 1992	9
M-05-05	September 30, 1993	9
M-05-06	September 30, 1994	9
M-05-07	September 30, 1995	5
M-05-08	September 30, 1996	2
M-05-09	September 30, 1996	Complete all 149 SSTs
M-05-00	September 1995	Complete single-shell tank interim stabilization

REVISED

<u>Milestone</u>	<u>Due Date</u>	<u>Stabilization</u>
M-05-03	January 31, 1992	Develop Integrated Schedule for Stabilization Activities of Non-Watch-List Tanks.
M-05-03A	June 30, 1992	Develop Integrated Schedule for Stabilization Activities of Watch-List Tanks.
M-05-04	TBD	TBD
M-05-05	TBD	TBD
M-05-06	TBD	TBD
M-05-07	TBD	TBD
M-05-08	TBD	TBD
M-05-09	TBD	Complete all 149 SSTs
M-05-00	September 1995	Complete single-shell tank interim stabilization

Impact of Change

Currently, no change to the major milestone is being requested. DOE remains committed to improving safety of waste storage by stabilization of single-shell tanks. However, we must first ensure that safety concerns (e.g., ferrocyanide reactivity) are not compromised by stabilizing tanks.