

Change Number M-45-99-02	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date November 5, 1999
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Originator **G.H. Sanders** **Phone** **(509) 376-6888**

Class of Change I - Signatories II - Executive Manager III - Project Manager

Change Title
 Interim Stabilization of the 244-AR Vault. Deletion of obsolete interim milestone and target dates M-32-06 and M-32-06-T01. Corresponding addition of new Tri Party Agreement Interim Milestones M-45-11 and M-45-11A.

Description/Justification of Change
 The 244-AR Vault consists of a two-level, multi-cell, reinforced concrete structure that houses two single-walled 43,000-gallon tanks (TK-001 and TK-002) and two 4785-gallon tanks (TK-003 and TK-004). No waste transfers to the 244-AR Vault have been made since 1978 (estimated).

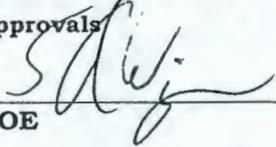
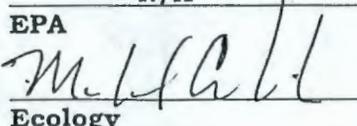
The four tanks contain a total of some 16,000 gallons of high-level radioactive mixed waste and are arranged within three cells. All three cells have experienced liquid accumulations believed to be from snowmelt/rainwater intrusion. Currently, there is no liquid in Sump #1 or Sump #2. Sump # 3 currently contains some 2800 gallons of liquid of unknown character. The 244-AR vault is regulated as a storage facility subject to RCRA, Washington's Hazardous Waste Management Act (HWMA), and their implementing regulations. The vault and its tanks are not in compliance with interim status standards including requirements for double containment, assessment of containment integrity, and the timely characterization and removal of liquids discovered within the containment system.

Earlier planning regarding the 244-AR vault were based on the assumption that vault waste transfer operations would eventually be restarted. The Parties have since agreed that the vault will not be utilized as an active waste transfer facility, does not require an operating permit, and should eventually undergo final closure under the Agreement's M-45-00 milestone series. This Change Form establishes commitments between the Parties governing the interim stabilization of the vault prior to final closure. These modifications are made in partial response to concerns raised by Ecology within its August 19, 1999 letter to DOE (Reference 1). (cont.)

Impact of Change
 This change establishes appropriate milestones and associated compliance commitments governing interim stabilization of the 244-AR Vault prior to final closure under M-45-00.

Affected Documents
 Hanford Federal Facility Agreement and Consent Order, Appendix D, as amended. DOE's annual Land Disposal Restrictions Report, and Hanford site internal planning, management, and budget documents (e.g., DOE and DOE contractor Baseline Change Control documents; Multi Year Work Plans; sitewide systems engineering control documents, Project Management Plans; and the Hanford Site Integrated Priority List (IPL).

Approvals

 DOE	11/8/99 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
N/A EPA	_____ Date	<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved
 Ecology	11/10/99 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved



Description/Justification of Change (cont.)

Approval of this Change Form constitutes resolution of Dispute in this matter as noted within DOE's July 12, 1999 correspondence to Ecology (99-EAP-398), its subsequent August 11, 1999 correspondence elevating this dispute to the Parties Inter Agency Management Integration Team (IAMIT) (99-EAP-436), and associated documentation.

Agreement Interim Milestone and Target Date deleted on approval of this M-45-99-02 Change Form are as follows:

M-32-06	COMPLETE 244-AR VAULT INTERIM STATUS TANK ACTIONS	PRIOR TO RESTART
M-32-06-T01	COMPLETE AND SUBMIT INTEGRITY ASSESSMENT REPORT AND IDENTIFIED UPGRADES FOR 244-AR VAULT INTERIM STATUS TANK SYSTEM (EXCEPT THAT DST TRANSFER LINES THAT PENETRATE THE 244-AR VAULT WILL CONTINUE TO BE USED). PROVIDE A SCHEDULE TO ADDRESS ANY DEFICIENCIES DESCRIBED IN THE REPORT RELATED TO TANK SYSTEM COMPLIANCE.	PRIOR TO RESTART

Agreement Interim Milestones established on approval of this M-45-99-02 Change Form are as follows:

M-45-11	COMPLETE 244-AR VAULT INTERIM STABILIZATION.	09-30-03
M-45-11A	SUBMIT 244-AR VAULT INTERIM STABILIZATION PROJECT PLAN FOR ECOLOGY APPROVAL. INTERIM STABILIZATION ACTIVITY ENDPOINT CRITERIA WILL BE ESTABLISHED ON APPROVAL OF THE STABILIZATION PROJECT PLAN. AT MINIMUM THE PLAN SHALL ESTABLISH CRITERIA FOR, AND SCHEDULE INTERIM STABILIZATION ACTIVITIES INCLUDING: THE REMOVAL OF PUMPABLE LIQUIDS FROM 244-AR VAULT TANKS; THE REMOVAL OF PUMPABLE LIQUIDS FROM THE VAULT ITSELF AND ITS ASSOCIATED SUMPS; ISOLATION OF THE 244-AR VAULT; PROVISIONS FOR THE REMOVAL OF PUMPABLE LIQUIDS WHICH MAY ACCUMULATE IN THE FUTURE; INSTALLATION OF INTRUSION PREVENTION MECHANISMS AS MAY BE NECESSARY; AND ESTABLISHMENT OF PERIODIC LIQUID LEVEL MONITORING SYSTEMS FOR THE DETECTION OF ACCUMULATING LIQUIDS PRIOR TO FINAL CLOSURE. THE 244-AR VAULT INTERIM STABILIZATION PROJECT PLAN WILL BE ESTABLISHED AND MANAGED AS A PRIMARY DOCUMENT PURSUANT TO AGREEMENT ACTION PLAN 9.2.	04-30-00

Note: The M-45-11 "Complete 244-AR Vault Interim Stabilization" due date has been established prior to finalization of the planning basis for vault stabilization activities. Should new information affect completion of interim stabilization activities, appropriate modifications shall be made by agreement of the Parties pursuant to Agreement Action Plan, Section 12.0.

Reference: 1) Letter, A. Valero, Ecology, to G. Sanders, RL, "Re: 244-AR Vault System Change Control Request to Delete Tri-Party Agreement (TPA) Milestones M-32-06 and M-32-06-T01," dated August 19, 1999.



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

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DEPARTMENT OF ECOLOGY

NOV 08 1999

00-ORL-008

Mr. Mike Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504

Dear Mr. Wilson:

HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) CHANGE CONTROL FORM M-45-99-02 ADDRESSING NEW INTERIM MILESTONES FOR STABILIZATION OF THE 244-AR VAULT

- References:
- 1) Letter, from G. H. Sanders to M. A. Wilson, "Tri-Party Agreement Change Control Form M-32-99-02 Addressing Interim Milestone M-32-06 and Target Date M-32-06-T01, Initiation of Dispute Resolution," 99-EAP-398, dated July 12, 1999.
 - 2) Letter, from R. Stanley to G. H. Sanders, "Dispute Resolution: Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Change Control Form M-32-99-02 (Interim Milestone M-32-06 and Target Date M-32-06-T01)," dated October 28, 1999.

Enclosed for your approval is a signed Tri-Party Agreement Change Control Form M-45-99-02, which adds two new interim milestones addressing interim stabilization of the 244-AR Vault. The U.S. Department of Energy (DOE) and the State of Washington Department of Ecology (Ecology) have successfully reached mutual agreement prior to the November 11, 1999, deadline, which would require the Director of Ecology to provide a Final Determination. It is DOE's understanding that this change control form will constitute the final resolution of the M-32-99-02 Dispute Resolution Process, initiated on July 12, 1999, (Reference 1) prior to the need for a Director of Ecology's Final Determination.

This change control form was provided to DOE, by Ecology on October 28, 1999, (Reference 2), as a counter-offer to the three change requests previously submitted by DOE. In order to facilitate the closure of the Dispute Resolution Process, DOE has agreed to the attached Tri-Party Agreement change control form with only one modification. Because DOE is concerned with the lack of defined criteria that will be used to support the completion of M-45-11, "Complete 244-AR Vault Interim Stabilization" interim milestone, it is suggested that the parties work collaboratively during preparation of the plan to establish and document the appropriate activities, endpoint criteria, and schedule that will specifically satisfy the interim milestone M-45-11.

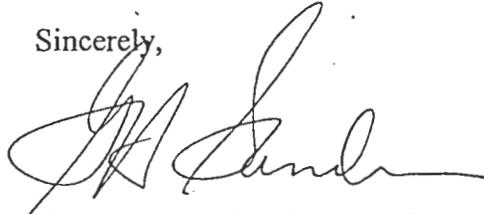
Mr. Michael A. Wilson
00-ORL-008

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If you have any questions regarding this change control form, please contact me on (509) 376-6888 or Dana Bryson, Director, Operations Program Division on (509) 372-0947.

Sincerely,



George H. Sanders, Program Manager
Office of Regulatory Liaison

ORL:HMR

Enclosure

cc w/encl:

J. R. Wilkinson, CTUIR
L. J. Cusack, Ecology
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Administrative Record