

**Department of Energy**

Washington, DC 20585

May 5, 1995

RECEIVED

MAY -8 PM 2:33

DNF SAFETY BOARD

The Honorable John T. Conway  
Chairman  
Defense Nuclear Facilities Safety Board  
625 Indiana Avenue, N.W., Suite 700  
Washington, D.C. 20004

Dear Mr. Chairman:

Enclosed is the sixth quarterly status report for the Defense Nuclear Facilities Safety Board Recommendation 93-4 Implementation Plan. This report is being provided to you in accordance with the Department of Energy Initiative 1 as identified in the accepted Defense Nuclear Facilities Safety Board Recommendation 93-4 Implementation Plan.

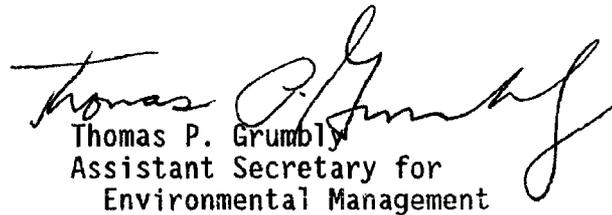
As indicated in the enclosed report, three actions identified in the Defense Nuclear Facilities Safety Board Recommendation 93-4 Implementation Plan remain open. Foremost of the three remaining actions to be completed is the action associated with the restart of the Fernald Uranyl Nitrate Hexahydrate Project. On March 10, the Ohio Environmental Protection Agency was notified of Department approval to proceed with the in-situ neutralization of six tanks of Uranyl Nitrate Hexahydrate solution. The Ohio Environmental Protection Agency considers this process to be the "start of neutralization." In-situ neutralization began ahead of schedule on Friday, March 24, 1995, with magnesium oxide being introduced into Tanks F1-302 and F1-303, which are located in the hot raffinate building. In addition to this activity, the Department is investigating an alternative to utilize an additional vendor to treat 100,000 gallons of the Uranyl Nitrate Hexahydrate solution. We will continue to keep your staff informed of the progress of these actions.

Additionally, as indicated in the last quarterly report, a copy of the Uranyl Nitrate Hexahydrate safety analysis report will be transmitted to your office following its finalization.

Other activities that remain open include Action 934.F.2.A, the qualification of Fernald Facility Representatives, scheduled for completion by August 15, 1995; and Action 934.C.2.D, delivery of the revised DOE Order 4700.1, once it becomes available.

As specified in the 93-4 Implementation Plan, the Department will continue to keep the Board apprised of our progress by providing future quarterly status reports and by providing the documentation associated with the deliverables for each action specified in the Plan.

Sincerely,

  
Thomas P. Grumbly  
Assistant Secretary for  
Environmental Management

Enclosure

## ACTION TRACKING DNFSB RECOMMENDATION 93-4

Item Number	Description	Deliverable	Milestone	Assignee	Status
934.IP.1	Prepare Draft Implementation Plan	Draft Implementation Plan	September 30, 1993	Susan Peterman 513-865-3982	Completed.
934.IP.2	EM Provide Draft Implementation Plan to DNFSB	Implementation Plan	September 30, 1993	Dave Kozlowski 301-427-1712	Completed.
934.IP.3	DNFSB Staff Comments on Implementation Plan		October 15, 1993	DNFSB	Completed.
934.IP.4	Begin concurrence process		October 22, 1993	Dave Kozlowski 301-427-1712	Completed.
934.IP.5	Submit IP to Executive Secretary for Secretary's signature		October 29, 1993	Dave Kozlowski 301-427-1712	Completed.
934.IP.6	Submit IP to Board		November 5, 1993	Dave Kozlowski 301-427-1712	Completed.

Item Number	Description	Deliverable	Milestone	Assignee	Status
934.A.2.(1)	A Technical Management Plan will be developed for Fernald	Technical Management Plan for Fernald	December 18, 1993	Susan Peterman 513-865-3982	Completed. Revised Fernald TMP was submitted as an enclosure to the third quarterly report.
934.A.2.(1).a	Reviewing the Environmental Restoration Program, EM-40 Management Plan (DOE/EM/RM/02) and Project Management Plan outline from DOE Order 4700.1 Project Management System to develop model for Technical Management Plan		November 15, 1993	Susan Peterman 513-865-3982	Completed.
934.A.2.(1).b	Establishing an outline of contents for the Technical Management Plan	Outline of Technical Management Plan	November 15, 1993	Susan Peterman 513-865-3982	Completed. Revised outline was accepted by the DNFSB with minor revisions on February 17, 1994.
934.A.2.(1).c	Identifying qualified key personnel at DOE Fernald Field Office and Headquarters for technical direction, monitoring, and oversight of contractor performance for inclusion in the Technical Management Plan including necessary training to meet current performance expectations		December 18, 1993		Completed. The final generic TMP was submitted to the DNFSB on July 5, 1994, and the revised Fernald TMP was submitted as an enclosure to the third quarterly report. These Plans identify the key personnel at both DOE Headquarters and at Fernald.
934.A.2.(2)	A Technical Management Plan for Hanford will be developed	Technical Management Plan for Hanford	January 18, 1994	Roger Freeburg 509-376-6628	Completed. The revised Hanford TMP was submitted as an enclosure to the third quarterly report.
934.A.2.(3)	Assess initial compliance of Fernald with the Technical Management Plan; and develop corrective action/implementation plan including schedule, as required	Submit documented results of assessment	September 30, 1994. (date changed in April 1994 status report)	Team	Completed. The initial compliance assessment of the Fernald Area Office TMP was conducted October 20-21, 1994. The final report for the assessment was completed and submitted to FN on November 8, 1994. A copy of the assessment report is included as an enclosure to the fifth DNFSB Recommendation 93-4 IP quarterly status report.
934.A.2.(4)	A generic Technical Management Plan will be developed for future contracts	Generic Technical Management Plan	December 18, 1993	EM-424/Dave Kozlowski 301-427-1712	Completed. The final generic TMP was submitted to the DNFSB on July 5, 1994.

Item Number	Description	Deliverable	Milestone	Assignee	Status
934.A.2.(5)	Interface with and provide input for rewriting of DOE Order 4700.1 Project Management System and with the Secretary's Contract Reform Team to incorporate the requirements for implementation of a technical management plan.		As required.	Mary McCune 301-427-1869	Completed. A copy of the final generic TMP was submitted to the DOE Order 4700.1 Rewrite Committee as well as to the Secretary's Contract Reform Implementation Team in a memorandum from the Acting Deputy Assistant Secretary for Environmental Restoration dated 7/94.
934.C.2.a	Interface with the committees during preparation of the technical management plans.		As required.		
934.C.2.b	Present completed technical management plans to the committees.		January 15, 1994	Mary McCune 301-427-1869	Completed. A copy of the final generic TMP was submitted to the DOE Order 4700.1 Rewrite Committee as well as to the Secretary's Contract Reform Implementation Team in a memorandum from the Acting Deputy Assistant Secretary for Environmental Restoration dated 7/94.
934.C.2.c	Work with the committees to incorporate lessons learned from this process into their activities.		As required.	Mary McCune 301-427-1869	
934.C.2.d	Copies of committee reports will be provided to the DNFSB.	Contract Reform Team final report  Revised DOE Order 4700.1	December 31, 1993  When Available	Mary McCune 301-427-1869	Completed. Public Draft of the Contract Reform Team Report was issued February 1994, and was transmitted to the DNFSB in a letter dated April 4, 1994 to the Chairman of the DNFSB from the Assistant Secretary for Environmental Management.  Final report for the DOE Order 4700.1 Rewrite Committee will be provided to the Chairman of the DNFSB when available. Open.
934.D.2.a	EH will complete their review of the Type B Investigation	Comments on Type B Investigation	October 15, 1993	Prakash Conjere 301-903-2443	Completed.
934.D.2.b	the EM-42 Deputy Office Director will lead the independent assessment	Initiate assessment	November 8, 1993	EM-42 Deputy Office Director 301-427-1746	Completed. Initial assessment was conducted the week of December 6, 1993. A follow-up to perform a root cause was completed the week of January 17, 1994.

Item Number	Description	Deliverable	Milestone	Assignee	Status
934.D.2.c	the Fernald site will be assessed on how they are addressing the corrective actions recommended in the Type B Investigation				
934.D.2.d	the assessment and recommendations for Fernald will be documented	Submit assessment	December 18, 1993	EM-42 Deputy Office Director 301-427-1746	Completed. An Interim Assessment Report was transmitted on December 20, 1993. The final assessment report was transmitted to the DNFSB on February 4, 1994.
934.D.2.e	the corrective action plan will be developed and monitored		As required.	Mary McCune 301-427-1869	Completed. A letter closing out this activity was sent to the Chairman of the DNFSB on May 16, 1994.
934.E.2.a	DOE will develop a restart procedure based on revised DOE Order 5480.31 and Operational Readiness Review Standard.	Restart procedure	December 31, 1993	Chris White 513-648-3172	On March 10, 1995, OEPA was notified of the DOE approval to proceed with neutralization. In-situ neutralization of six tanks of UNH solution began ahead of schedule on March 24, 1995. The Department is investigating an alternative to utilize an additional vendor to treat 100,000 gallons of the UNH solution. A copy of the SAR will be transmitted to the DNFSB following its finalization. Open.
934.E.2.b	Complete a study on tank integrity of UNH tanks and, as appropriate, factor those results into the start-up procedure and schedule.	Tank Integrity Study	March 31, 1994	Chris White 513-648-3172	Completed. The Tank Integrity Study was finalized December 31, 1993. This study was provided informally to the DNFSB staff at their visit to Fernald in February 1994. The Study is also provided along with the April, 1994, quarterly status report as a formal submittal to the Board.
934.E.2.c	Obtain approval by Assistant Secretary for Environmental Restoration and Waste Management for restart of the UNH process	Approval to restart	Upon completion of restart procedure	Chris White 513-648-3172	
934.F.2.a	Continue training and implementation of the proposed requirements for the Facility Representative Program as they are developed	Fully qualified Facility Representatives for Fernald	August 15, 1995 (date changed in April 1994 status report)	Wally Quaid 513-648-3137	The completion date for this activity is on schedule for August 15, 1995. Open.

Item Number	Description	Deliverable	Milestone	Assignee	Status
934.F.2.b	Develop procedure for Fernald Facility Representative program and training and qualification	Fernald Facility Representative Program and training and qualification procedure	February 15, 1994	Wally Quaider 513-648-3137	Completed. The Facility Representative Program and training and qualification procedure was finalized and is being transmitted formally to the Chairman of the DNFSB as an enclosure to the April 1994 quarterly status report.
934.G	Submit quarterly status reports	Quarterly Status Reports	Issue 15 days after close of quarter; initial report January 15, 1994	Dave Kozlowski 301-427-1712	In process.