

**[DOE LETTERHEAD]**

MAR 10 1995

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

Dear Mr. Conway:

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD (DNFSB) RECOMMENDATION 92-4  
IMPLEMENTATION PLAN QUARTERLY STATUS REPORT**

Enclosed herewith is the above subject report for the three month period ending December 31, 1994. This report discusses the status of commitments that were due during the 4th Quarter 1994 and forecast status of commitments due during the 1st Quarter 1995. This report is submitted in accordance with Commitment No. 4.a in the 92-4 Implementation Plan.

If you should have any questions, please contact Chris P. Bader, Director, Program Integration Division, on (509) 373-9109.

Sincerely,

***Jackson E. Kinzer,  
Assistant Manager  
Office of Tank Waste Remediation System***

Enclosure

cc w/encl:  
G. Roberson, EM-36, HQ  
M. Whittaker, EH-6, HQ  
H. Dalton, EM-20, HQ

QUARTERLY REPORT ON DEFENSE NUCLEAR FACILITIES SAFETY BOARD  
RECOMMENDATION 92-4 FOR THE PERIOD OCTOBER 1 - DECEMBER 31, 1994

TABLE OF CONTENTS

EXECUTIVE SUMMARY

1.0 INTRODUCTION

1.1 Purpose

1.2 Quarterly Highlights

1.3 Report Format

2.0 STATUS: COMMITMENTS DUE/OVERDUE DURING 4TH QUARTER 1994 AND  
FORECAST FOR 1ST QUARTER 1995.

QUARTERLY REPORT ON DEFENSE NUCLEAR FACILITIES SAFETY BOARD  
RECOMMENDATION 92-4 FOR THE PERIOD OCTOBER 1 - DECEMBER 31, 1994

1.0 INTRODUCTION

1.1 PURPOSE

This quarterly report provides a status of the activities underway from October 1 to December 31, 1994 at the Hanford Site and at DOE-Headquarters regarding the topics contained in the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 92-4. In November 1994, Revision 1 of the 92-4 Implementation Plan was submitted to the DNFSB. The plan was accepted by the DNFSB on December 13, 1994. The status of each commitment made in that plan is described in Section 2.0 of this report.

1.2 QUARTERLY HIGHLIGHTS

- o The TWRS Multi-Year Work Plan (MYWP) representing the TWRS Work Scope, Cost, and Schedule baseline was completed.
- o The Richland Operations Office (RL) procedures for staff qualification and training were completed and initial training of RL and HQ personnel was started.
- o The TWRS Program Management System Description and its policy annexes were issued. This document and annexes provides the fundamental guidance and description of the management systems that will be employed on the program.

1.3 REPORT FORMAT

The quarterly report documents the progress of activities initiated in response to the DNFSB Recommendation 92-4. The report is arranged in the same order as the DNFSB Recommendation 92-4 Implementation Plan, Attachment B (DOE 1994), i.e., Site-Wide Commitments, TWRS Program Commitments, and TWRS Project Commitments. Each commitment that was due or overdue during the October through December 1994 quarter and the next quarter (January through March 1995) is identified followed by a description of the status of each commitment. Topics for each reported commitment are:

- o Completion status of commitments due during quarter and date deliverable was submitted to the Board
- o Forecast completion for commitments due in the subsequent quarter
- o Other information as required to explain commitment status

In addition to this information, a Table of Commitments lists all DNFSB commitments contained in the plan. Shading on commitments indicate those commitments that have been submitted to the Board.

TABLE OF COMMITMENTS: SITE-WIDE COMMITMENTS [TO FOLLOW ARE 4-PAGES OF COMMITMENT TABLES (CHARTS); FOR A HARDCOPY, PLEASE CALL THE HYPERTEXT MANAGER AT (202) 586-1857]

## 2.0 STATUS: COMMITMENTS DUE/OVERDUE DURING 4TH QUARTER 1994 AND FORECAST FOR 1ST QUARTER 1995.

### 2.1 SITE-WIDE COMMITMENTS

#### 2.1.1 COMMITMENT 2.2.b(1): SYSTEMS ENGINEERING IMPLEMENTATION PLAN BASED ON FY 1995 MULTI-YEAR PROGRAM PLAN (MYPP) LOGIC AND PLANNING FOR THE SITE. (DUE: 11/15/94)

STATUS: An draft Site Systems Engineering Implementation Plan was submitted by WHC to DOE-RL on 11/15/94. As a result of this submittal and impacts of the RL workforce restructuring, the entire site systems engineering program is undergoing a complete review by DOE-RL. The Implementation Plan must be revised. A new date will be established and coordinated with the staff of the DNFSB in late January or early February.

#### 2.1.2 COMMITMENT 2.2.b(2): LETTER OF DIRECTION TO AFFECTED SITE PARTICIPANTS TO INCLUDE USE OF SYSTEMS ENGINEERING IN ACCORDANCE WITH DOE POLICY TO DEVELOP THE TECHNICAL BASELINES THAT WILL BE USED AS THE BASIS FOR MYPP UPDATES. (DUE: 3/31/95)

STATUS: Currently on schedule. However, the date may be impacted due to delay in issuing the Site Systems Engineering Implementation Plan. (See Section 2.1.1, above).

2.1.3 COMMITMENT 3.6.a: HANFORD SITE MANAGEMENT SYSTEM DIRECTIVES.  
(DUE 2/1/95)

STATUS: 17 out of 28 directives have been issued. The remaining directives are in work. The structure of the directives may change due to the work restructuring that is occurring at Hanford.

2.1.4 COMMITMENT 3.7.e: FINAL SITE SYSTEMS ENGINEERING MANAGEMENT PLAN. (DUE: Pending Completion of External Review)

STATUS: Work on this deliverable is on hold pending completion of review of the site systems engineering effort. (See Section 2.1.1, above).

2.1.5 COMMITMENT 3.7.f: DRAFT SITE SEMP IMPLEMENTING PROCEDURES.  
(DUE: 2/14/95)

STATUS: Same status as Section 2.1.4, above.

## 2.2 TWRS PROGRAM COMMITMENTS

2.2.1 COMMITMENT 2.4.c: TWRS TOP-LEVEL SYSTEMS REQUIREMENTS REVIEW REPORT. (DUE: 1/31/95)

STATUS: This review report has been delayed because of the complexity of the review, required supplemental information to complete the review, and the extensive nature of the information and the review process. A draft report was submitted on 2/19/95 and the completed report is due to DNFSB by 4/28/95. DNFSB staff has been notified and is receptive of the delay. A formal letter notifying DNFSB is in concurrence for EM-1 signature.

2.2.2 COMMITMENT 2.4.d: TWRS TECHNICAL REQUIREMENTS REVIEW REPORT.  
(DUE: 3/31/95)

STATUS: The Technical Requirements Reviews will be performed incrementally in accordance with priorities established for the TWRS projects. The schedule for these reviews is currently being developed. Upon completion, the schedule for the incremental reviews and review reports will be submitted to the Board to meet this commitment.

2.2.3 COMMITMENT 3.3.a: DOE-RL AND HANFORD CONTRACTOR STAFF QUALIFICATION AND TRAINING PROCESS. (DUE: 10/31/94)

STATUS: Complete. The procedure for this process was completed on schedule and submitted to the Board on November 17, 1994. This procedure will be used by the TWRS program until it is superseded or modified by the formal issuance of an

RL Implementing Directive (RLID) that incorporates the requirements being developed under the 93-3 Implementation Plan.

2.2.4 COMMITMENT 3.3.b: HANFORD PERFORMANCE-BASED TRAINING AND QUALIFICATION PROCESS. (DUE: 10/31/94)

STATUS: Complete. The procedure for this process was completed on schedule and submitted to the Board on November 17, 1994. This procedure will be used by the TWRS program until it is superseded or modified by the formal issuance of an RL Implementing Directive (RLID) that incorporates the requirements being developed under the 93-3 Implementation Plan.

2.2.5 COMMITMENT 3.3.c: DOE-RL QUALIFICATION AND TRAINING EVALUATION AND ASSESSMENT PROCESS. (DUE: 10/31/94)

STATUS: Complete. The procedure for this process was completed on schedule and submitted to the Board on November 17, 1994. This procedure will be used by the TWRS program until it is superseded or modified by the formal issuance of an RL Implementing Directive (RLID) that incorporates the requirements being developed under the 93-3 Implementation Plan.

2.2.6 COMMITMENT 3.3.d: REPORT OF INDEPENDENT ASSESSMENT OF RL AND WHC TWRS QUALIFICATION AND TRAINING PROCESS. (DUE: 10/21/94)

STATUS: Complete. This report was completed on schedule and submitted to the Board on October 25, 1994.

2.2.7 COMMITMENT 3.4.a: DOE-HQ (EM-36) PRELIMINARY STAFF ANALYSIS REPORT. (DUE: 3/31/94)

STATUS: Commitments 3.4.a and 3.4.b (RL and HQ Preliminary Staff Analysis Reports will not be submitted to the DNFSB because they will be replaced by the Final Staff Analysis document (Commitment 3.4.g). A letter to the DNFSB describing this status is in the DOE signature process.

2.2.8 COMMITMENT 3.4.b: RL TWRS PRELIMINARY STAFF ANALYSIS REPORT. (DUE: 8/26/94)

STATUS: See Section 2.2.7, above.

2.2.9 COMMITMENT 3.4.c: DOE-HQ (EM-36 INDIVIDUAL DEVELOPMENT PLANS. (DUE: 10/31/94)

STATUS: Commitments 3.4.c and 3.4.d (RL and HQ Individual Development Plans) will not be submitted to the DNFSB because of Privacy Act concerns. These documents

are complete and available at HQ and RL for DNFSB review.

2.2.10 COMMITMENT 3.4.d: RL TWRS IDPs (TRAINING REQUIREMENTS MATRIX) [TRM]. (DUE: 10/31/94)

STATUS: Complete. The Training Requirements Matrix was completed on schedule and submitted to the Board on November 17, 1994. Technical Qualification Standards that are in development under the 93-3 Implementation Plan will be integrated into the Position Standards and Training Requirements Matrix when they become available.

Recent assessments by the RL Office of Performance Assessment (OPA) and by the Edgerton, Germehausen, and Grier (EG&G) Training Coordination and Assistance Program (TCAP) have identified issues that affect the TWRS training program. Resolution of these issues are being coordinated with the RL Office of Training (OTR) and will result in a continuously improved training program.

2.2.11 COMMITMENT 3.4.e: RL TWRS ORIENTATION REPORT DOCUMENTING STATUS AND INITIATION OF ORIENTATION. (DUE: 10/31/94)

STATUS: Complete. The initiation of orientation and the RL TWRS Orientation Report was completed on schedule. The Orientation Report was submitted to the Board on November 17, 1994. The initial orientation was designed to familiarize DOE Headquarters, Office of Hanford Waste Management Operations (EM-36) and RL TWRS technical management and staff with the TWRS Management System requirements. The orientation will be revised as the products of the 92-4 Implementation Plan mature. This specific commitment is complete.

2.2.12 COMMITMENT 3.4.f: HQ (EM-36) ORIENTATION REPORT DOCUMENTING STATUS AND INITIATION OF ORIENTATION. (DUE: 10/31/94)

STATUS: Complete. Headquarters personnel were included in the initial orientation training provided to the RL personnel. See Section 2.2.11, above .

2.2.13 COMMITMENT 3.4.q: FINAL STAFF ANALYSIS DOCUMENT. (DUE: 90 days after 93-3 Qualification Standards Delivery)

STATUS: Constrained by delivery of the Qualification Standards issued as a deliverable under DNFSB Recommendation 93-3 Implementation Plan.

2.2.14 COMMITMENT 3.5.a: WHC TWRS STAFFING ANALYSIS AND POSITION QUALIFICATION STANDARDS. (DUE: 1/27/95)

STATUS: WHC has requested a two month extension on the completion of these commitments. Due to dramatic funding reductions and resulting impacts on

workforce restructuring, these deliverables will be of little value at this time. A two month extension will allow attainment of more valid and useful data.

2.2.15 COMMITMENT 3.5.b: WHC TWRS INDIVIDUAL QUALIFICATION AND TRAINING PLANS. (DUE: 2/28/95)

STATUS: Same status as Section 2.2.14, above.

2.2.16 COMMITMENT 3.5.c: WHC TWRS SELECTION PROCESS REPORT DOCUMENTING STATUS AND COMPLETION. (DUE: 3/17/95)

STATUS: Same status as Section 2.2.14, above.

2.2.17 COMMITMENT 3.6.b: TWRS MANAGEMENT SYSTEMS DESCRIPTION (MSD) DOCUMENT AND POLICY ANNEXES. (DUE: 11/30/94)

STATUS: Complete. The MSD and Policy Annexes were completed on schedule and submitted to the Board on December 13, 1994. The DOE Order 4700.1 is being revised to enhance program-level and Major System Acquisition (MSA) policies. The TWRS is a Major System Acquisition. Therefore, when the revised DOE Order is issued, the PMSD and Annexes will be updated to reflect changes caused by that Order. The revised MSD and Annexes will be resubmitted to the Board.

2.2.18 COMMITMENT 3.6.c: SCHEDULE FOR DEVELOPMENT AND ISSUANCE OF THE WHC TWRS MANAGEMENT PLAN AND ASSOCIATED DOCUMENTATION. (DUE: 12/30/94 -- 30 days after issuance of the PMSD + annexes)

STATUS: This commitment is due 30 days after the PMSD and annexes are issued to WHC. The PMSD + annexes was issued to WHC on 12/16/94. The WHC commitment is on schedule.

2.2.19 COMMITMENT 3.7.b: A LETTER REPORT SUMMARIZING THE SYSTEMS ENGINEERING COMPARISON ANALYSIS. (DUE: 10/31/94)

STATUS: Complete. The letter report was completed on schedule and submitted to the Board on November 10, 1994.

2.2.20 COMMITMENT 3.7.c: DOE-FM REPORT ON DOD SYSTEMS ENGINEERING STANDARD REVIEW. (DUE: 3/31/95)

DOE-HQ (TWRS) has notified DOE-FM of the deliverable due date.

2.2.21 COMMITMENT 3.7.h: TWRS SEMP IMPLEMENTING PROCEDURES SCHEDULE. (DUE: Included in Commitment 3.6.c)

STATUS: On schedule.

2.2.22 COMMITMENT 3.7.i: REVISED TWRS SEMP SCHEDULE. (DUE: Included in Commitment 3.6.c)

STATUS: On schedule.

2.2.23 COMMITMENT 3.9.a: TWRS MULTI-YEAR WORK PLAN. (DUE: 9/30/94)

STATUS: Complete. The deliverable was submitted to the Board on December 13, 1994. Changes to this baseline document will be submitted to the Board as changes are approved to ensure that the Board's copy is maintained in a current condition.

2.2.24 COMMITMENT 3.10.a: TWRS QUALITY MANAGEMENT POLICY ANNEX. (DUE: 11/30/94)

STATUS: Complete. This Annex was completed on schedule and submitted to the Board as part of the TWRS Program Management Systems Description document on December 13, 1994 (See Section 2.2.17).

2.2.25 COMMITMENT 3.10.b: TWRS HEALTH AND SAFETY MANAGEMENT POLICY ANNEX. (DUE: 11/30/94)

STATUS: Complete. This Annex was completed on schedule and submitted to the Board as part of the TWRS Program Management Systems Description document on December 13, 1994 (See Section 2.2.17).

2.3 TWRS PROJECT COMMITMENTS.

2.3.1 COMMITMENT 2.4.k: SCHEDULED DATES FOR EACH PROJECT INDEPENDENT DESIGN REVIEW. (DUE: 1/31/95)

STATUS: On schedule.