

**QUARTERLY REPORT 3**

**DEPARTMENT OF ENERGY**

**IMPLEMENTATION PLAN**

**FOR**

**DEFENSE NUCLEAR FACILITIES SAFETY BOARD**

**RECOMMENDATION 94-4**

**DEFICIENCIES IN CRITICALITY SAFETY  
AT THE OAK RIDGE Y-12 PLANT**

**REPORTING PERIOD  
JULY 1 THROUGH SEPTEMBER 30, 1995**

**TABLE of CONTENTS**

**EXECUTIVE SUMMARY ..... 1**

**TASK 1, ORGANIZATION ..... 5**

**TASKS 2 & 3, CSA/OSR IMPLEMENTATION AND CRITICALITY  
SAFETY PROGRAM ..... 6**

**TASK 4, CONDUCT OF OPERATIONS ..... 7**

**TASK 5, TECHNICAL COMPETENCE REVIEW ..... 9**

**ATTACHMENT A: COMMITMENT STATUS ..... 12**

**ATTACHMENT B: MONTHLY SCHEDULE OF DELIVERABLES .... 15**

**ATTACHMENT C: CORRECTIVE ACTION TRACKING ..... 15**

## **EXECUTIVE SUMMARY**

This Report for the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 94-4 Implementation Plan (Plan) covers the period from July 1 through September 30, 1995.

Operations in the Receipt, Storage, and Shipping (RSS) and Depleted Uranium Operations (DUO) mission areas were resumed at Y-12 on September 21, 1995 and September 29, 1995 respectively.

All activities scheduled for completion during the reporting period were completed as planned, with the exception of the EH training assessment plan (Commitment 5.1, Change 3). This plan and the EH training assessment report will be forwarded separately. For the quarter ending September 30, 1995, the Criticality Safety Program (Task 2/3) and the Defense Programs portion of the Training Program (Task 5) are proceeding on schedule and all commitments have been met. The Conduct of Operations Program (Task 4) assessments are scheduled for the period October 30 to November 8, 1995.

Activities completed during the third quarter calendar year (CY) 1995 are as follows:

### Commitment

### Description

- |       |   |
|-------|---|
| N.1.3 | Lockheed Martin Energy Services Inc. (LMES) provided a closure report to the Restart Authority validating and summarizing the closure of deficiencies in the Corrective Action Plan (CAP) associated with the first resumption area. LMES confirmed that all safety significant procedures, CSAs, and OSRs identified to support the first resumption for use within the next 12 months have been reviewed, revised as necessary, and validated. Procedures and CSA/OSRs which fall outside of the 12 month window have been controlled such that they are subject to the upgrade program prior to their use. |
| N.1.5 | LMES documented the use of compensatory measures related to CSA/OSR implementation (LMES report Y/NO-00007). The documentation discussed the nature of the compensatory measure and   |

the conditions necessary for its removal. Other descriptive information for compensatory measures included the identification of roles and responsibilities, training and qualification requirements, a monitoring process for effectiveness, and a long-term needs assessment for all personnel related compensatory measures.

- N.2.3 The DP line organization provided a report documenting its continued participation in the resumption process including a discussion of the line organization review activities on site; the scope and method of assessment; the results as determined with DP-30 technical assistance; the use of independent experts; and Readiness Assessment support.
- N.2.5 The Office of Environment, Safety, and Health (EH) assessed its role in oversight of Y-12 safety issues and provided recommendations and corrective actions.
- N.3.2 LMES documented the use of mentors as compensatory measures for of COOP requirements (LMES report Y/NO-00006). Qualifications, experience, and responsibilities for mentors were outlined. Minimum requirements necessary for mentor removal were defined.
- N.4.2 LMES and the Department submitted the completed documents listed in N.4.2 associated with the restart of the Receipt, Storage, and Shipment (RSS) mission area. The specific N.4.2 deliverables were: the LMES Line Management Certification Letter to commence the LMES readiness assessment (RA) of RSS; the LMES RSS RA Plan of Action, report Y/OA-6233; the LMES RSS RA Implementation Plan, report Y/AD-628; the LMES RA, report Y/AD-630; the LMES Readiness to Proceed Memorandum with endorsements; and the Department's Plan of Action and Implementation Plan for the RSS RA.
- 2.1 The Department's Task 2/3 Assessment Team prepared an Assessment Program to evaluate CSA/OSR implementation.
- 3.1 LMES developed criticality safety review program criteria based upon industry standards and DOE Order 5480.24. This activity was coordinated with the criteria development for independent review

discussed in Commitment 3.4.

- 3.4 The Department's Task 2/3 Assessment Team developed a criticality safety review program to assess the performance objectives discussed in the DOE 94-4 Implementation Plan Task 3 Purpose section. Specific assessment criteria were generated for each objective.
- 5.4 The Department developed a Training Assistance Team Program to implement the evaluation of key contractor personnel involved with safety-related activities at defense nuclear facilities at Y-12 Plant.

Activities scheduled for the fourth quarter CY 1995 are as follows:

<u>Commitment</u>	<u>Description</u>
N.4.2	LMES and the Department will submit the completed documents from the list in N.4.2 associated with the restart of the Depleted Uranium Operations mission area.
2.2	The Task 2/3 Assessment Team will conduct an assessment of CSA/OSR implementation at Y-12 and prepare a final report.
3.2	LMES will evaluate the criticality safety program and integrate the results of CSA evaluations and the results of the previous 12 months of internal or external criticality safety assessments into the final report.
4.1	The Task 4 Conduct of Operations Assessment Teams will create an Assessment Program that identifies successful, current COOP elements. The Assessment Program will address appropriate past COOP improvement items and reasons for lack of success in COOP implementation.
4.2	The Task 4 Conduct of Operation Assessment Teams will establish the implementation level of COOP activities at Y-12 with separate LMES and DOE assessments and prepare reports.

- 5.2 **Training Assistance Teams (two teams, one to review EH personnel and the other to review remaining Federal personnel) will conduct assessments of key Federal personnel involved with safety-related activities at defense nuclear facilities at the Y-12 Plant and prepare reports.**
- 5.3 **The Department will review and respond to the Training Assistance Team and the EH Team reports indicating any resulting actions that will be taken.**

## TASK 1, ORGANIZATION

Task 1 established the leadership and management structure for the development and execution of the Plan.

Deliverable 1.1, which provided a strawman Plan , and Deliverable 1.2, which identified the Senior Steering Committee, the Senior Working Group, and Task Leaders, were forwarded to the Board on February 24, 1995.

The following change to the Department's management as depicted in Deliverable 1.2 occurred in the third CY quarter.

<u>Position</u>	<u>Outgoing</u>	<u>Oncoming</u>
Secretariat to the Senior Steering Committee	Radm Beers	Tom Seitz

## **TASKS 2 & 3, CSA/OSR IMPLEMENTATION AND CRITICALITY SAFETY PROGRAM**

During the quarter ending September 30, 1995, the following items were accomplished:

The Department's Criticality Safety Assessment Program, incorporating Commitments 2.1 and 3.4, was approved and issued in July as scheduled. Also in July, LMES approved and issued a criticality safety review program satisfying the requirements of Commitment 3.1.

Selected members of the Task 2/3 Assessment Team received root cause analysis training provided by subject matter experts from Yankee Engineering Services, Inc.

Activities planned for the next quarter include:

LMES will evaluate the criticality safety program and integrate the results of CSA evaluations and the results of the previous 12 months of internal or external criticality safety assessments into the final report (Commitment 3.2).

The Task 2 assessment (Commitment 2.2) will be conducted during the period October 16-25, 1995. The Task 2 assessment report is on schedule for completion by November 30, 1995.



## **TASK 4, CONDUCT OF OPERATIONS**

During the quarter ending September 30, 1995, the following items were accomplished:

In July, CDR John Colville, DP-24 Site Assistance Team Leader, was assigned as the Task 4 coordinator. He has extensive Navy nuclear experience. He is the Pantex Conduct of Operations (COOP) Program Manager and will subsequently assume a similar lead at Y-12 to track the COOP Corrective Action Plan.

A preassessment scoping visit was conducted at the Y-12 Plant on September 27/28, 1995 to familiarize the team leaders with the Plant and to develop the COOP Assessment Plan. The plan will be completed in October.

The following personnel will conduct the COOP assessment.

### Federal Assessment Team

David Chaney (Team Leader)	Pantex Team Ldr, DOE DP-24
Carl Everatt	Director, Reactor and Spent Fuel Division, DOE SRO
James Grise	Senior Executive Consultant, Systematic Management Services, Inc, Germantown, MD
Edward Stafford	Senior Principal Engineer, Stone Webster Engineering Corp, SRS
David States	Operations Assessment Engineer, DOE EM-25

### LMES Assessment Team

James Angelo	Division Manager, Manufacturing, Mason & Hanger, Pantex
Daniel Branch (Team Leader)	Executive Consultant, Kaiser-Hill, Rocky Flats
David Butler	Dept Mgr, Ops Support, Mason & Hanger, Pantex
William Condon	Area Mgr, Receiving Basin for Offsite Fuels & Reactor Facilities, Westinghouse, SRS
Gary Francis	Executive Consultant, Kaiser-Hill, Rocky Flats

Operations in the Receipt, Storage, and Shipping (RSS) and Depleted Uranium Operations (DUO) mission areas were resumed at Y-12 on September 21, 1995 and September 29, 1995 respectively. The Task 4 assessments will be conducted during the period October 30 to November 8, 1995.

The Conduct of Operations Assessments at Y-12, primarily focusing on RSS and DUO, will provide the basis for determining the implementation of COOP at the floor level at Y-12. A COOP Corrective Action Plan, similar to Pantex, will be developed from the assessment results.

## **TASK 5, TECHNICAL COMPETENCE REVIEW**

During the quarter ending September 30, 1995, the following items were accomplished:

A Training Assistance Team visited the Oak Ridge Y-12 Plant on August 14-18, 1995, and the Headquarters Office of Site Operations (DP-24) to evaluate the technical competence of key Federal personnel supporting the Y-12 Plant. The Team Leader for the visit was Roy Schepens, the Deputy Assistant Manager for High Level Waste at the Savannah River Site. The team used the *Training Assistance Team Program For Key Federal Personnel At The U.S. Department of Energy Oak Ridge Y-12 Plant* as guidance with the exception that EH conducted a separate review of the EH oversight personnel.

*The Assistance Team Visit For Federal Workers Supporting The Department Of Energy Oak Ridge Y-12 Plant* reported that the base level of key Federal personnel technical expertise and competency at the Y-12 Site has significantly increased since the September 1994 event. In order to achieve continued improvement in technical staff facility, knowledge, and expertise, the following four recommendations relating to technical competence were identified.

1. Line management (DP-24, ORO, and YSO) ownership and commitment to training needs to be strengthened;
2. The Training and Development Division (TDD) at ORO needs to be aggressive in identifying and supporting line management needs;
3. YSO, with support from TDD, needs to expedite development of site-specific training for Facility Representatives and technical support personnel; and
4. YSO needs to provide timely follow-up and closure of deficiencies and commitments from LMES to ensure improvement is continually achieved.

*The Training Assistance Team Program For Key Contractor Personnel At The U.S. Department of Energy Oak Ridge Y-12 Plant* was issued in September 1995. This Program outlines the approach and guidelines for the Training Assistance Team visit to assess contractor personnel at the Oak Ridge Y-12 Plant.

Activities planned for the next quarter include the following:

The Training Assistance Team report assessing the technical competence of key Federal personnel, except those from EH, will be delivered in October 1995.

EH will complete their report assessing the technical competence of the EH Site Representatives supporting the Oak Ridge Y-12 Plant. The EH report will be forwarded separately.

The Department management supporting Oak Ridge Y-12 Plant will issue a Corrective Action Plan to respond to the Training Assistance Team recommendations. Many of these items were actively being resolved in September 1995.

Planning and team selection will be finalized for the Training Assistance Team review of contractor personnel supporting the Oak Ridge Y-12 Plant. This visit and associated report are due in February 1996.

## **TASK 6, CORRECTIVE ACTIONS**

Task 6 provides for the management and tracking of issues and corrective actions and periodic status reports to the Board.

In this task, the Senior Working Group integrates findings from previous task areas and oversees development of corrective action plans.

Attachment C provides corrective action status for all corrective action plans submitted to date, which include Commitments N.1.2, N.2.2, N.2.4, and N.3.1. This status will be formally reported in each Quarterly Report. Also, working versions will be provided to the Board staff on a monthly basis.

## ATTACHMENT A: COMMITMENT STATUS

COMMITMENT	DUE DATE	ACTUAL DATE	COMMENTS
N.1.1	APR 95	26 APR 95	
N.1.2	MAY 95	30 MAY 95	
N.1.3	1st START	25 AUG 95*	Submit with LMES certification (Commitment N.1.5)
N.1.4	MAR 95	27 MAR 95	
N.1.5	1st START	30 AUG 95*	Part of LMES Line Management Certification Letter
N.2.1	NOV 94	18 NOV 94	
N.2.2(a)	OCT 94	13 OCT 94	
N.2.2(b)	APR 95	28 APR 95	
N.2.3	1st START	18 SEP 95*	
N.2.4(a)	APR 95	26 MAY 95	
N.2.4(b)	JUN 95	30 JUN 95	
N.2.5(a)	APR 95	12 JUL 95*	
N.2.5(b)	MAY 95	12 JUL 95*	
N.3.1	MAY 95	30 MAY 95	
N.3.2	1st START	29 AUG 95*	Submit with LMES Certification Letter.
N.4.1	MAR 95	27 MAR 95	

## ATTACHMENT A: COMMITMENT STATUS

COMMITMENT	DUE DATE	ACTUAL DATE	COMMENTS
N.4.2(a)	1st START	13 SEP 95*	All items for RSS restart have been submitted except the DOE closure validation report.*
N.4.2(b)	2nd START		Depleted Uranium Operations is the 2nd resumption area.*
N.4.2(c)	TBD		Follow-on Resumptions
1.1	DEC 94	2 DEC 94	
1.2	JAN 95	JAN 95	
2.1	JUL 95	28 JUL 95*	
2.2	DEC 95		Or within 60 days of 2nd resumption; whichever is earlier.
2.3	FEB 96		
3.1	JUL 95	28 JUL 95*	
3.2	DEC 95		Or within 60 days of 2nd resumption; whichever is earlier.
3.3	FEB 96		
3.4	JUL 95	28 JUL 95*	
3.5	MAR 96		Within 30 days of LMES CAP (Commitment 3.3).
3.6	MAY 96		Within 60 days of report from Commitment 3.5.
4.1	NOV 95		30 days following 2nd resumption or Nov 95 whichever is earlier. Two separate program plans.
4.2	DEC 95		60 days following 2nd resumption or Dec 95 whichever is earlier. Teams evaluating DOE and LMES each report.
4.3	FEB 96		60 days following issuance of reports in 4.2. One combined CAP.

## ATTACHMENT A: COMMITMENT STATUS

COMMITMENT	DUE DATE	ACTUAL DATE	COMMENTS
5.1	JUN 95	30 JUN 95	
5.2	OCT 95		EH to conduct its own evaluation of EH personnel which will be reported separately.*
5.3	DEC 95		
5.4	SEP 95	28 SEP 95*	
5.5	FEB 96		
5.6	APR 96		
6.1	QTRLY		Submit with Quarterly Reports of Commitment 7.1.
7.1(a)	APR 95	28 APR 95	Interim report.
7.1(b)	QTRLY		Submit quarterly commencing in July 95.
8.1	AS REQ'D		



## ATTACHMENT B: MONTHLY SCHEDULE OF DELIVERABLES

### Schedule of Deliverables

\* = Target Date

Mo/Yr	Near Term Initiatives	Tasks
Mar 95	1.4*, 4.1*	
Apr	1.1*, 2.2, 2.4(a), 2.5(a)	7.1
May	1.2*, 2.5(b), 3.1*	
Jun	2.4(b)	5.1
Jul		2.1, 3.1, 3.4, 7.1
Aug	1.3*, 1.5, 2.3*, 3.2*, 4.2	
Sep		5.4
Oct		5.2, 7.1
Nov		4.1
Dec		2.2, 3.2, 4.2, 5.3
Jan 96		7.1
Feb		2.3, 3.3, 4.3, 5.5
Mar		3.5
Apr		5.6, 7.1
May		3.6
Jun		
Jul		7.1

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE I

N.1.2: CORRECTIVE ACTION PLAN FOR LMES EVALUATION OF CRITICALITY SAFETY PROGRAM AND CSA/OSRs. (LMES Report Y/NO-00002)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
Y/NO-00002 SECTION 2	<b>CORRECTIVE ACTIONS FOR FIRST MISSION AREA RESUMPTION</b>		
LESSON LEARNED 1	CSA/OSR requirement statements must be clear and concise.		
ACTION LL 1-1	Revise Procedure Y70-160, <i>Criticality Safety Approval System, Training Module 8836, Nuclear Criticality Safety Training for Y-12 Supervisors</i> , and Procedure Y50-66-CS-325, <i>Nuclear Criticality Safety Analysis, Approval, and Control System</i> .		22 MAY 95
ACTION LL 1-2	Additional changes in the CSA process have been made to improve clarity and conciseness of CSA requirements. RSS related CSAs have been revised. Revise Procedure Y70-160.	RSS RESTART	23 AUG 95*
ACTION LL 1-3	Develop new OSRs for RSS facilities and submit to DOE for approval.		8 MAY 95
LESSON LEARNED 2	The compliance methodology must be clearly articulated in CSAs/OSRs.		
ACTION LL 2-1	Develop and implement a CSA verification and validation process and a CSA implementation process to ensure compliance with the newly revised CSA administrative standards. These are procedurally controlled by Y70-01-150 (DSO) and Y70-37-19-071 (EUO).		22 MAY 95
LESSON LEARNED 3	Operating and technical support personnel must understand safety implications which require strict compliance with CSAs/OSRs.		

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE I

N.1.2: CORRECTIVE ACTION PLAN FOR LMES EVALUATION OF CRITICALITY SAFETY PROGRAM AND CSA/OSRs. (LMES Report Y/NO-00002)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
LESSON LEARNED 4	There must be an auditable path from CSA/OSR requirements to documentation which demonstrates compliance.		
ACTION LL 4-1	Issue a standing order by the DSO Manager identifying the required compensatory measures when using procedures that do not incorporate CSA requirements. (Action 3-4 addresses the long term corrective actions.)		22 MAY 95
LESSON LEARNED 5	An implementation plan which permits continuous compliance with effective CSAs/OSRs is required for new and revised CSAs/OSRs.		
ACTION LL 5-1	Revise Procedure Y70-160 to provide a period for implementation of new or revised CSAs.	RSS RESTART	23 AUG 95*
ACTION LL 5-2	Develop and approve surveillance procedures for the five new RSS OSRs. Conduct training and perform these procedures. Ensure operability of all required OSR-related systems and components before the OSRs become effective.		23 MAY 95
LESSON LEARNED 6	CSA/OSR noncompliances must be reported immediately.		
ACTION LL 6-1	Conduct awareness and Lessons Learned training on importance of following procedures and management expectations for nuclear operations personnel.		22 MAY 95

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE I

N.1.2: CORRECTIVE ACTION PLAN FOR LMES EVALUATION OF CRITICALITY  
SAFETY PROGRAM AND CSA/OSRs. (LMES Report Y/NO-00002)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
ACTION LL 6-2	Organizations responsible for OSR compliance develop and approve specific procedures that provide guidance for completing LCO actions when equipment does not meet LCO requirements. (Required by RSS resumption POA)		JUN 95
LESSON LEARNED 7	Facilities and operations involving CSAs/OSRs must be controlled to meet the expectation that activities are performed within the approved safety basis.		
ACTION LL 7-1	Implement a rigorous conduct of operations program through the RSS resumption POA and the 94-4 Implementation Plan. A specific detailed schedule coordinating implementation and assessment is part of the RSS resumption.	RSS RESTART	CSA-137B* 21 SEP 95
Y/NO-00002 SECTION 3	<b>CONTINUED IMPLEMENTATION OF THE UPGRADE PROGRAM</b> (Note: Continued implementation of the upgrade programs will be influenced by the assessments and CAPs resulting from the execution of Tasks 2-5 of the 94-4 Implementation Plan.)		
ACTION 3-1	LMES management apply the programmatic corrections described in Section 2 of Y/NO-00002 throughout the resumption process for Y-12 nuclear operations.	TBD	
ACTION 3-2	Upgrade the OSRs and CSAs for continuing nuclear operations to the new standards.	TBD TASKS 2/3 CAPs	

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE I

N.1.2: CORRECTIVE ACTION PLAN FOR LMES EVALUATION OF CRITICALITY SAFETY PROGRAM AND CSA/OSRs. (LMES Report Y/NO-00002)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
ACTION 3-3	Upgrade the CSAs and OSRs for each subsequent mission area prior to resumption of normal operations.	PRIOR TO EACH MISSION AREA RESTART	* RSS 21 SEP 95 DUO N/A
ACTION 3-4	Complete new operating procedures incorporating revised CSA requirements	TBD TASK 4 CAPs	
ACTION 3-5	Develop a configuration management system to supplement or replace the change control and document control processes in place for resumption.	MAR 97*	
ACTION 3-6	Develop a standard describing the process for writing OSRs at Y-12.	JUN 95	28 JUL 95*
ACTION 3-7	Upgrade individual OSRs as required by Phase II of the Safety Analysis Report Update Program (SARUP) refinement of their technical basis.	PHASE II SARUP SCHEDULE	
ACTION 3-8	Develop and implement the Nuclear Criticality Safety Improvement Program (NCSIP) to support 94-4 Implementation Plan Tasks 2 and 3.	94-4 TASK 2 & 3 ASSESSMENT DATES	

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE II

N.2.2: CORRECTIVE ACTION PLAN FOR ORO ROLE IN Y-12 INCIDENT.  
(ORO R.J. Spence Memorandum dated 28 April 95)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
ACTION 1-1	Performance Indicators and Analyses: Review existing monthly data to determine if new performance indicators should be added or old ones deleted. Review completed and recommended changes forwarded for processing as outlined in attachment 1 to Spence memo.	VARIOUS THRU NOV 95	28 SEP 95*
ACTION 1-2 / 1-3	Distribution of performance indicators is limited. Update and expand the distribution list. Distribute over LAN.		31 MAR 95
ACTION 2-1	ORO Oversight not Consistently Challenging Laxity: Develop a Conduct of Operations self-study course which would emphasize attention to detail and the standards based approach.	JUN 95	30 JUN 95
ACTION 2-2	Modify ORO appraisal training to include conduct of operations as the responsibility of everyone.	AUG 95	28 JUL 95*
ACTION 3-1	Inadequate staffing of the Facility Representative (FR) Program at YSO. Hire six more FRs.		3 APR 95
ACTION 4-1	Facility Representatives were unsure as to their shutdown authority. Issue ORO wide policy on shutdown authority.		6 OCT 94
ACTION 4-2	Facility Representatives were unsure as to their shutdown authority. Revise YSO procedure 1.6		13 DEC 94
ACTION 5-1	Incorporating Conduct of Operations into ORO internal value system requires upper management support. Brief Senior Management Board on Conduct of Operations.	AUG 95*	22 AUG 95*
ACTION 6-1	ORO must improve its ability to anticipate problem areas and conduct subsequent mitigation planning. Develop issues management tracking system and program.	SEP 95*	28 AUG 95*
ACTION 7-1	HQ funding and support to implement conduct of operations must be adequate. This will be evaluated as part of Task 4 to the 94-4 Implementation Plan.	NOV 95*	

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE III

N.2.4 (b): CORRECTIVE ACTION PLAN FOR ADDRESSING DP-24 LINE MANAGEMENT ISSUES ASSOCIATED WITH ITS ROLE AT Y-12.  
(D. Rhoades Memorandum dated 30 June 95)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
SECTION A	FUNCTIONS, ASSIGNMENTS, AND RESPONSIBILITIES		
ACTION A.1	FAR compliance. DP-24 continue to monitor progress in addressing noncompliances with the FAR Manual as identified by the ongoing DP-31 assessment.	DEC 95	
ACTION A.2	Revise the Defense Programs Operations Manual (DPOM).	DEC 95	
ACTION A.3	Carry out management and oversight activities specified in Chapter 7 of the DP-24 Process Manual.		30 JUN 95
SECTION B	NUCLEAR SAFETY ISSUES		
ACTION B.1	DP-24 establish a Site Assistance Team to conduct assistance visits to Defense Programs sites including Y-12.		30 JUN 95
ACTION B-2	Develop an issue database for the DP-24 Action Tracking System that includes issues from assist visits, audits and assessments performed at Y-12, SRS Tritium Facility, and Pantex.	OCT 95	

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE III

N.2.4 (b): CORRECTIVE ACTION PLAN FOR ADDRESSING DP-24 LINE  
MANAGEMENT ISSUES ASSOCIATED WITH ITS ROLE AT Y-12.

(D. Rhoades Memorandum dated 30 June 95)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
SECTION C	BUDGET PROCESS		
ACTION C-1	Develop office procedures which assure that ES&H measures are incorporated during the planning for activities involving stockpile support facility operations. (DP-24 Process Manual, Section 5.1)		MAR 95
ACTION C-2	Establish an Integrated Multi-Year Program Plan to implement guidance and direction for programmatic execution of the National Security Strategic Plan (NSSP)		30 JUN 95
ACTION C-3	Conduct program reviews on selected issues at each nuclear weapons facility on a quarterly basis.		30 JUN 95
SECTION D	DP-24 PROCESS MANUAL		
ACTION D-1	Complete development of the Process Manual.	NOV 95	
ACTION D-2 (a)	Develop and implement a training program on the Process Manual for DP-24 management and staff.	NOV 95	
ACTION D-2 (b)	Complete training for all DP-24 personnel on the Process Manual.	JAN 96	



## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE IV

N.3.1: LMES ASSESSMENT OF THE CURRENT CONDUCT OF OPERATIONS POSTURE INCLUDING PROPOSED NEAR-TERM CORRECTIVE AND/OR COMPENSATORY ACTIONS. (LMES Report Y/NO-00003)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
Y/NO-00003 SECTION 3	NEAR TERM ACTIONS THAT ADDRESS THE ROOT CAUSE		
ACTION 3-1	All OSRs, CSAs, and implementing primary procedures supporting the RSS Mission Area are in the final phase of approval. Complete the approval process. (para. 3.2.2)	RSS RESTART	21 SEP 95*
ACTION 3-2	Employee training on all revised procedures will be completed shortly after approval. Train employees. (para. 3.2.2)	RSS RESTART	21 SEP 95*
ACTION 3-3	Issue revised OSRs, CSAs, and implementing primary procedures. (para. 3.2.2)	RSS RESTART	21 SEP 95*
ACTION 3-4	Upgrade surveillance procedures supporting the initial resumption Mission Area. (para. 3.3.1)		25 MAY 95
ACTION 3-5	Revise the procedure use categorization process. (para. 3.4.1)		25 MAY 95
ACTION 3-6	Properly categorize existing operating and surveillance procedures in resumption mission area and train personnel to the new definitions-of-use. (para. 3.4.2)	PRIOR TO EACH MISSION AREA RESTART	* RSS -21 SEP DUO -29 SEP
ACTION 3-7	Upgrade the procedure verification and validation process. (para. 3.4.3)		25 MAY 95

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE IV

**N.3.1: LMES ASSESSMENT OF THE CURRENT CONDUCT OF OPERATIONS POSTURE INCLUDING PROPOSED NEAR-TERM CORRECTIVE AND/OR COMPENSATORY ACTIONS. (LMES Report Y/NO-00003)**

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
ACTION 3-8	Develop a Conduct of Operations Manual with sections of the manual to be issued in accordance with an implementation plan schedule to support RSS. (para. 3.5)	RSS RESTART	21 SEP 95*
ACTION 3-9	Operations Areas will be defined to manage operations and maintain safety envelope integrity. The Operations Area for Bldg 9212 has been established and described in Chapter 1 of the Conduct of Operations Manual. Identify remaining Operations Areas. (para. 3.6.1)	PRIOR TO EACH MISSION AREA RESTART	* RSS - 21 SEP DUO - 29 SEP
ACTION 3-10	Four new positions are being established that will directly impact conduct of operations practices: Operations Manager, Shift Manager, Shift Administrative Assistant, and Shift Technical Advisor. Fill these positions. (para. 3.6.2)	PRIOR TO EACH MISSION AREA RESTART	* RSS - 21 SEP DUO - 29 SEP
ACTION 3-11	Develop and implement a training program for Shift Technical Advisors (STA). (para. 3.6.2)	SEP 96*	
ACTION 3-12	Develop a detailed and formalized self-assessment program to promote management identification of weaknesses in conduct of operations performance. (para. 3.7.1)	JAN 96	
ACTION 3-13	Develop and implement conduct of operations performance measures which will provide management with clear trends and a basis for corrective actions. (para. 3.7.1)	PRIOR TO EACH MISSION AREA RESTART	* RSS - 21 SEP DUO - 29 SEP

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE IV

N.3.1: LMES ASSESSMENT OF THE CURRENT CONDUCT OF OPERATIONS POSTURE INCLUDING PROPOSED NEAR-TERM CORRECTIVE AND/OR COMPENSATORY ACTIONS. (LMES Report Y/NO-00003)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
ACTION 3-14	For the RSS Mission Area, resumption supporting activities have been incorporated into a detailed logic driven integrated schedule. Remaining Mission Area Managers develop their integrated schedules. (para. 3.7.4)	PRIOR TO EACH MISSION AREA RESTART	* RSS - 21 SEP DUO - 29 SEP
Y/NO-00003 SECTION 4	LONG TERM ACTIONS THAT ADDRESS THE ROOT CAUSE		
ACTION 4-1	Expand the staff to the Manager, Nuclear Operations to provide him direct staff support in matters impacting on conduct of operations practices. (para. 4.1)	DEC 95	
ACTION 4-2	Assign an Assistant Manager to each Operations Manager (Depleted Uranium, Disassembly and Storage, and Enriched Uranium). (para. 4.1.1)	DEC 95	
ACTION 4-3	Hire for a newly approved position titled Qualification and Procedures Manager, who will ensure all department procedures are current and all affected employees are current in their respective qualification. (para. 4.1.2)		JUN 95
ACTION 4-4	Establish and fill a new position called Program Support Manager to coordinate key activities that influence implementation of a conduct of operations program. (para. 4.1.3)		25 MAY 95
ACTION 4-5	Establish a continuing training program that will ensure that proficiency and requalification are performed in accordance with DOE Order 5480.20A. (para. 4.2.2)	TBD 94-4 TASK 5 CAP & 5480.20 TIM	

## ATTACHMENT C: CORRECTIVE ACTION TRACKING

TABLE IV

N.3.1: LMES ASSESSMENT OF THE CURRENT CONDUCT OF OPERATIONS POSTURE INCLUDING PROPOSED NEAR-TERM CORRECTIVE AND/OR COMPENSATORY ACTIONS. (LMES Report Y/NO-00003)

REFERENCE NUMBER	CORRECTIVE ACTION PLAN (CAP) ITEM	PLANNED CLOSURE	ACTUAL DATE
ACTION 4-6	Implement and integrate administrative processes for configuration control, work control, document control, and other site-wide processes. (para. 4.3.3)	MAR 97*	
ACTION 4-7	Train line managers to assess conduct of operations performance by observations/evaluations at the working level. (para. 4.4.1)	JAN 96	