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#### Department of Energy

Washington, DC 20585

July 11, 1996

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

Dear Mr. Conway:

Enclosed for your information is the Department of Energy's Office of Defense Programs 90-2 Quarterly Status Report for October 1995 - December 1995 and January 1996 - March 1996, covering the first two quarters of FY 1996. This report provides: (1) a summary of Defense Programs programmatic activities for responding to the Defense Nuclear Facilities Safety Board Recommendation 90-2 and (2) individual 90-2 Quarterly Status Reports for the following sites:

- o Albuquerque
- o Nevada
- o Oakland
- o Oak Ridge
- o Savannah River

If you have any questions concerning this report, please contact Maurice Pitt at (301) 903-6582.

Sincerely,

Vietor Stello, Jr.

Principal Deputy Assistant Secretary

for Safety and Quality Defense Programs

Enclosure

cc:

Manager, Albuquerque Operations Office

Manager, Nevada Operations Office

Manager, Oak Ridge Operations Office

Manager, Oakland Operations Office

Manager, Savannah River Operations Office

M. Whitaker, S3.1

# DEPARTMENT OF ENERGY DEFENSE PROGRAMS (DP)

90-2 QUARTERLY STATUS REPORT

OCTOBER 1, 1995 - DECEMBER 31, 1995

AND

JANUARY 1, 1996 - MARCH 31, 1996

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- 4. Oak Ridge Operations Office
- 5. Savannah River Operations Office

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## SECTION A DP PROGRAMMATIC ACTIVITIES

#### A. DP PROGRAMMATIC ACTIVITIES

This report covers the period October 1995 through March 1996 for the implementation of DNFSB Recommendation 90-2 at sites and facilities of the Office of Defense Programs (DP). It address the following:

- (1) Order Compliance Self-Assessment (OCSA) of DOE Orders of interest to the DNFSB: and.
- (2) Standards/Requirements Identification Document (S/RID) development and implementation.

The OCSA program is essentially complete at sites and facilities of the Office of Defense Programs (DP). The S/RID process evolved in 1994 and was included as the second step of the Recommendation 90-2 implementation process. Since early-1995, the development and implementation of the standards program related to Recommendation 90-2 changed its focus from OCSA to S/RID development and implementation. Since mid-1995 S/RIDs have been developed to various degrees and implemented at DP sites and facilities.

The initial OCSA was performed for 52 DOE Orders identified as "of Interest to the Board" and listed in Table A.1. An additional nine DOE Orders for facilities that design, assemble, list and disassemble nuclear weapons (i.e., weapon sensitive Orders) have also been included in the OCSA. They are listed in Table A.2. Since mid-1995, the Department has developed and issued new Orders that cancel/supersede old Orders in part or in total. The phase out or cancellation of an old Order for a specific facility is contingent upon replacement with the provisions in a new Order based on a disciplined safety review as described in the interim policy, DOE P 450.2, "Identification, Implementation, and Compliance with Environment Safety and Health

Requirements" (October 6, 1995). The new DOE Orders that cancel/supersede old DOE Orders of Interest to the Board are listed in Table A.3.

The last year has been a period of intense transition for the Department with regard to nuclear safety management. Numerous initiatives continued that impacted progress in achieving the objectives of Recommendation 90-2. Changes to the directives system and the DP-HQ reorganization have effectively suspended DP-HQ self-assessment activities. In the interim, DP-45 staff have continued database management and software maintenance and development activities.

DOE ORDERS OF INTEREST TO THE BOARD					
ORDER (CHANGE)	Order (Change) Date	TITLE	NEW ORDER (0) CANCELLATION NOTICE (N)		
1. 1300.2A	05/19/92	Department of Energy Technical Standards Program			
2. 1360.2B	05/18/92	Unclassified Computer Security Program	· · · · · · · · · · · · · · · · · · ·		
3. 1540.2 (Chg 1)	12/19/88	Hazardous Materials Packaging for Transport - Administrative Procedures	0 460.1 0 460.2		
4. 1540.3A	07/08/92	Base Technology for Radioactive Material Transportation Packaging Systems	0 460.2		
5. <b>4</b> 330.48	02/10/94	Maintenance Management Program	0 430.1		
6. 4700.1 (Chg 1)	06/02/92	Project Management System	0 430 1		
7. 5000.3B (Chg 1)	07/02/93	Occurrence Reporting and Processing of Operations Information	O 232.1 N 251.4		
8. 5400.1 (Chg 1)	06/29/90	General Environmental Protection Program	0 231.11		
95400.2A (Chg 1)	01/07/93	Environmental Compliance Issue Coordination	O 231.1 <sup>1</sup> N 251.6		
10. 5400.3	02/22/89	Hazardous and Radioactive Mixed Waste Program	N 1321.139		
11. 5400.4	10/06/89	Comprehensive Environmental Response. Compensation, and Liability Act Requirements	N 251.6		
12. 5400.5 (Chg 2)	01/07/93	Radiation Protection of the Public and the Environment	0 231.11		
13. 5440.1E	11/10/92	National Environmental Policy Act Compliance Program	0 231.1 <sup>1</sup> 0 451.1 N 251.4		
14. 5480.1B (Chg 5)	05/10/93	Environment, Safety, and Health Program For Department of Energy Operations	N 251.4		
15. 5480.3	07/09/85	Safety Requirements for the Packaging and Transportation of Hazardous Materials, Hazardous Substances and Hazardous Wastes	0 231.1 <sup>1</sup> 0 460.1 N 251.4		
16. 5480.4 (Chg 4)	01/07/93	Environmental Protection, Safety, and Health Protection Standards	0 440.11		
17. 5480.5	09/23/86	Safety of Nuclear Facilities	N 1321.140		

Note 1: New Order cancels old Order partially

5/16/96

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#### TABLE A.1 DOE ORDERS OF INTEREST TO THE BOARD ame ORDER NEW ORDER (0) ORDER (CHANGE) (CHANGE) CANCELLATION NOTICE (N) DATE TO 18. 5480.6 09/23/86 Safety of Department of Energy-Owned N 251.4 Nuclear Reactors 19. 5480.7A 02/17/93 0 420.1 Fire Protection 0 440.1 N 251.4 20. 5480.8A 10/19/92 Contractor Occupational Medical Program 0 440.1 (Chg 1) N 251.4 21. 5480.9A 04/13/94 Construction Project Safety and Health 0 440.1 Management N 251.4 22. 5480.10 06/26/85 Contractor Industrial Hygiene Program 0 440 1 N 251.4 23. 5480.11 06/17/92 Radiation Protection for Occupational N 441.1 Workers (Chg 3) 24. 5480.15 12/14/87 Department of Energy Laboratory N 441.1 Accreditation Program for Personnel Dosimetry 10/05/88 N 251.4 25. 5480.17 Site Safety Representatives 26. 5480.188 08/31/94 Nuclear Facility Training Accreditation Program 27. 5480.19 05/18/92 Conduct of Operations Requirements for **DOE** Facilities (Chg 1) 28. 5480.20A 11/15/94 Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities 12/24/91 29. 5480.21 Unreviewed Safety Questions 30. 5480.22 09/15/92 Technical Safety Requirements (Chg 1) 31. 5480.23 03/10/94 Nuclear Safety Analysis Reports (Chg 1) 32. 5480.24 08/12/92 Nuclear Criticality Safety 0 420.1 N 251.4 33. 5480.25 11/03/92 Safety of Accelerator Facilities 34. 5480.26 01/15/93 Trending and Analysis of Operations 0 210.1 Information Using Performance Indicators 0 231.11 N 251.4 35. 5480.28 01/15/93 Natural Phenomena Hazards Mitigation 0 420.1

Note 1: New Order cancels old Order partially 5/16/96

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N 251.4

TABLE A.1  DOE ORDERS OF INTEREST TO THE BOARD						
ORDER (CHANGE)	ORDER (CHANGE) DATE	ame	NEW ORDER (0) CANCELLATION NOTICE (N)			
36. 5480.29	01/15/93	Employee Concerns Management System				
37. 5480.30	01/19/93	Nuclear Reactor Safety Design Criteria	1			
38. 5480.31	09/15/93	Startup and Restart of Nuclear Facilities	O 425.1 N 251.4			
39. 5481.1B (Chg 1)	05/19/87	Safety Analysis and Review System	N 251.4			
40. 5482.1B (Chg 1)	11/18/91	Environment, Safety, and Health Appraisal Program				
41. 5483.1A	06/22/83	Occupational Safety and Health Program for DOE Contractor Employees at Government-Owned Contractor-Operated Facilities	0 231.1 <sup>1</sup> 0 440.1 N 251.4			
42. 5484.1 (Chg 7)	10/17/90	Environmental Protection, Safety, and Health Protection Information Reporting Requirements	0 225.1 <sup>1</sup> 0 231.1 <sup>1</sup>			
<b>43</b> . 5500.1B (Chg 1)	02/27/92	Emergency Management System	0 151.1			
44. 5500.2B (Chg 1)	02/27/92	Emergency Categories, Classes, and Notification and Reporting Requirements	0 151.1			
45. 5500.3A (Chg 1)	02/27/92	Planning and Preparedness for Operational Emergencies	0 151.1			
46. 5500.4A	06/08/92	Public Affairs Policy and Planning Requirements for Emergencies	0 151.1			
47. 5500.7B	10/23/91	Emergency Operating Records Protection Program	0 151.1			
48. 5500.10 (Chg 1)	02/27/92	Emergency Readiness Assurance Program	0 151.1			
49. 5632.11	09/15/92	Physical Protection of Unclassified Irradiated Reactor Fuel in Transit	Cancelled by 5632.1C (07/15/94)			
<b>50</b> . 5700.6C	08/21/91	Quality Assurance				
51. 5820.2A	09/26/88	Radioactive Waste Management				
52. 6430.1A	04/06/89	General Design Criteria	0 420.1 <sup>1</sup> 0 430.1			

Note 1: New Order cancels old Order partially 5/16/96 WWS96038.wpd Partially

TABLE A.2

DOE WEAPON SENSITIVE ORDERS UNDER BOARD RECOMMENDATION 93-1

	TICE MEAPON SENSITIVE URDERS UNDER BOARD RECOMMENDATION 93-1						
ORDER (CHANGE)	ORDER (CHANGE) Date	TINE	CONNENT				
1. 5530.1A	09/20/91	Accident Response Group	Weapon Sensitive Order				
2. 5530.2	09/20/91	Nuclear Emergency Search Team	Weapon Sensitive Order				
3. 5530.3 (Chg 1)	04/10/92	Radiological Assistance Program	Weapon Sensitive Order				
4. 5530.4	09/20/91	Aerial Measuring System	Weapon Sensitive Order				
5. 5600.1	06/27/79	Management of Department of Energy Weapon Program and Weapon Complex	Weapon Sensitive Order				
6. 5610.10	10/10/90	Nuclear Explosive and Weapon Safety Program	Weapon Sensitive Order				
7. 5610.11	10/10/90	Nuclear Explosive Safety	Weapon Sensitive Order				
8. 5610.12	07/26/94	Packaging and Offsite Transportation of Nuclear Components, and Special Assemblies Associated with the Nuclear Explosive and Weapon Sensitive Program	Weapon Sensitive Order				
9. 5610.13	10/10/90	Joint Department of Energy/Department of Defense Nuclear Weapon System Safety. Security, and Control Activities	Weapon Sensitive Order				

NEW C	ORDER	the complete of the control of the c	OLD ORDERS
0 151.1	9/25/95	Comprehensive Emergency Management System	5500.1B 5500.2B 5500.3A 5500.4A 5500.7B 5500.10
0 210.1	9/27/95	Performance Indicators and Analysis of Operations Information	5480.26
0 225.1	9/29/95	Accident Investigations	5484.1 <sup>1</sup>
0 231.1	9/30/95	Environment, Safety, and Health Reporting (Note: Manual M 231.1-1 applies to this Order)	5400.1 <sup>1</sup> 5400.2A <sup>1</sup> 5400.5 <sup>1</sup> 5440.1E <sup>1</sup> 5480.3 <sup>1</sup> 5480.26 <sup>1</sup> 5483.1A <sup>1</sup> 5484.1 <sup>1</sup>
0 232.1	9/25/95	Occurrence Reporting and Processing of Operations Information (Note: Manual M 232.1-1 applies to this Order)	5000.3B
0 420.1	10/13/95	Facility Safety	5480.7A 5480.24 5480.28 6430.1A <sup>1</sup>
0 425.1	9/29/95	Startup and Restart of Nuclear Facilities	5480.31
0 430.1	8/24/95	Life-Cycle Assessment Management	4330.4B 4700.1 6430.1A
0 440.1	9/30/95	Worker Protection Management	5480.4 <sup>1</sup> 5480.7A 5480.8A 5480.9A 5480.10 5483.1A
0 451.1	9/11/95	National Environmental Policy Act Compliance Program	5440.1E
0 460.1	9/27/95	Packaging and Transportation Safety	1540.2 5480.3
0 460.2	9/27/95	Departmental Materials Transportation and Packaging Management	1540.2 1540.3A
0 472.1	9/25/95	Personnel Security Activities	5632.1C <sup>1</sup>

Note 1: New Order cancels old Order partially

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## SECTION B 90-2 QUARTERLY STATUS REPORTS FOR INDIVIDUAL DP SITES

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#### B.1 ALBUQUERQUE OPERATIONS OFFICE

90-2 QUARTERLY STATUS REPORT

October 1995 - December 1995 and January 1996 - March 1996

## Albuquerque Operations Office

## 90-2 Defense Nuclear Facilities Safety Board Status Report

October 1, 1995 - March 30, 1996

Prepared by
Performance Assessment Division

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#### 1.0 Activity Summaries for Management & Operating Sites

The management and operating contractors (M&O) at their respective sites have completed or are currently working to, the Order module releases for their site-wide and facility-specific self-assessments as listed below.

Site

Working to Order Module

Los Alamos National Laboratory

October 1995

Pantex Plant

February 1995

Sandia National Laboratories

October 1995

#### 1.1 University of California - Los Alamos National Laboratory

#### **Order Assessment Status**

Appraisals conducted by Los Alamos National Laboratory (LANL) during the reporting period include the following:

Name of Appraisal	Inspecting Organization	Date	
Gas Generation/Matrix Depletion Project	AA-2	November 1995	
Empirical Sorption Measurement Project	AA-2	January 1996	
Microbial Study	AA-2	January 1996	
Analysis Source Term Waste Test Containers	AA-2	February 1996	
Source Term Waste Test Project	AA-2	February 1996	
TRU Waste Program	AA-2	February 1996	

#### Compliance Assessment Database Status

LANL is using the Standards/Requirements Information Database (STRIDE) in support of the necessary and sufficient activities at the site level, and testing the applications for loading laboratory-specific standards.

#### Standards\Requirements Identification Documents (S/RID)

Los Alamos National Laboratory has made the decision to utilize the Department of Energy's Necessary and Sufficient Closure Process (N&S) to select, develop, and establish performance-based standards for Facilities, Operations, and Management. The standards developed by the Laboratory include performance measures that will be utilized by the Laboratory and DOE for performance-based assessments. The standards development process is based on an N&S process that requires definition of the work to be performed, identification and assessment of hazards associated with that work, and development of those standards that are necessary and sufficient to assure, when implemented, the desired performance associated with accomplishment of work. Standards development includes a review of the appropriate body of knowledge for needed standards topics, including DOE Orders (old and new), national and international consensus standards, applicable laws and regulations, and known best management practices, thus exceeding the intent of the DOE's Standards/Requirements Identification program.

The DOE has revised their basis for governance of the Laboratory's environment, safety and health (ES&H) performance through establishment of "hew" directives. These directives will be part of the body of knowledge upon which the N&S sets of standards will be established in accordance with the process discussed above. Facilities [management] standards are under development now. Most of the directives of interest will be reviewed in the Operations leg of the project, with "Training" considered under the Management leg of the project. These two arenas are anticipated to be developed beginning in early calendar year 1997, with standards development completion expected by Summer 1997. There is uncertainty about how or when the new directives will be formally incorporated into the University of California/DOE contract for management of the Laboratory. These ES&H directives have not yet been formally communicated to the University for consideration for contract incorporation.

Requests For Approval None.

Issues/Concerns
None.

Schedule Changes None.

#### 1.2 Mason & Hanger, Silas Mason Co., Inc. - Pantex Plant

#### **Order Assessment Status**

Phase 1 Order Compliance Assessment

Mason & Hanger has submitted to DOE Site-Wide Compliance Assessment Reports for 46 Orders of interest to the Board to DOE for validation.

- Eighteen Assessments have been accepted by DOE.
- Seven Assessment Reports have been modified based on DOE comments and have been resubmitted for additional review.
- Twenty-one Assessment Reports are being revised based on comments generated by DOE during their validation.

#### Phase 2 Adherence Assessments

Mason & Hanger has performed three self-assessments during the reporting period. These included an assessment in Waste Management activities to meet the requirements of NVO-325, High Explosive Operations, and the Configuration Management program.

#### Compliance Assessment Database Status

STRIDE v1.1 is being used as an input to the Mason and Hanger Compliance Assurance Office System (CAOS), which is used to support their Essential Standards Program.

#### Standards/Requirements Identification Documents

The site-wide S/RID development effort continues. The performance objectives and criteria that have been developed as part of the S/RID development will be submitted to DOE for review in April 1996, pending DOE review of the performance objectives and criteria.

#### Requests For Approval

During the reporting period, two Compliance Schedule Agreements (CSAs) were closed and the corrective actions validated by DOE. Four new CSAs were approved by DOE. Two are currently being revised based on comments received by DOE and two others have been submitted for DOE approval. One other CSA remains open. An implementation plan for DOE 5480.28 is currently being prepared based on the newly issued DOE Technical Standard.

Three exemption requests have been approved by DOE. An additional five have been submitted and are currently in review by DOE.

#### Issues/Concerns

Facility-specific order compliance Phase 1 assessments were conducted by the Facility Managers and completed in March 1995. Validations of these efforts indicate that the results are not accurate and will require a significant amount of rework to provide confidence that the data is both accurate and adequate. Lessons learned indicate that it is not cost effective to recover from these problems as a focused facility-specific effort. That is, more resources are required to classify the requirements and re-perform the assessment for each facility than are needed to develop S/RIDs. The Standards Based Management Strategic Plan recognizes this and identifies the need to properly classify (such as, site versus facility) requirements during S/RID development. Mason & Hanger has proposed to DOE/Amarillo Operations Office (AAO) that the facility-specific order compliance activities be discontinued, that the site-wide Phase 1 validation efforts continue, and that efforts be focused on the S/RID development program.

The lessons learned from the facility-specific order compliance self-assessment effort have indicated that to ensure success in the S/RID for the bays and cells, a valid site-wide S/RID must first be established. However, resources do not allow for the development of a site-wide S/RID as well as S/RIDs for the bays and cells (disassembly activities) in time to meet the current commitment of December 1995. Schedule changes are currently being negotiated with DOE/AAO.

#### Schedule Changes

Future plans for the facility-specific order compliance self-assessments are being negotiated with DOE/AAO. Schedule delays to the development of the S/RID for the bays and cells are being negotiated with DOE/AAO through development of the Standards Based Management Strategic Plan.

#### 1.3 Lockheed Martin - Sandia National Laboratories

#### **Order Assessment Status**

The remaining activity for this program is the Requests for Approval (RFA)/CSAs (see summary below).

#### **RFA Status**

Orders of Interest to the DNFSB					
Status	Count				
Returned for revision	5				
Approved by DOE, pending completion	12				
Completed, closure requested	30				
Canceled	25				
Closed	0				
Total	72				

#### Compliance Assessment Database Status

Team members attended the annual STRIDE and S/RDAC Meeting in Nashville, Tennessee on March 26-28, 1996. SNL is currently implementing STRIDE v2.0. Due to incompatible data fields and program language between SNL RISC and STRIDE, ACRR/SPR assessment data must be input manually into STRIDE.

#### Standards/Requirements Identification Documents

SNL submitted an S/RID Implementation Plan to the Kirtland Area Office (KAO) in October 1995. Several meetings concerning the Implementation Plan have occurred between SNL, KAO and AL. In the near future, the Implementation Plan will be resubmitted to KAO for review and approval.

#### 2.0 Activity Summaries for Albuquerque Operations Office and Area Offices

DOE/AL and its Area Offices have completed, or are currently working to, the following Order module releases for their site-wide self-assessments.

AL Site
Albuquerque Operations Office
Amarillo Area Office
Kirtland Area Office
Los Alamos Area Office

Working to Order Module
October 1995
February 1995
June 1993
June 1993

#### 2.1 Albuquerque Operations Office

#### **Order Assessment Status**

#### FAR Manual

AL is in the process of reviewing the latest draft of the FAR Manual and is preparing to develop a similar document that defines the roles and responsibilities of the AL divisions versus the Area Offices.

#### Transition to New ES&H Orders

AL is in the process of transitioning to the new (three-digit) ES&H Directives. In an effort to comply with DOE P 450.2, AL developed a Process for Order Transition at AL (PORTAL) to perform integrated safety reviews before the adoption of new Orders. The crosswalks for the Orders were recently received and AL has commenced some of the integrated safety reviews.

#### Compliance Assessment Database Status

A STRIDE v2.0 training class was held on March 11-13, 1996. The Department of Energy, Headquarters, Defense Programs (HQ/DP) sponsored TRESP personnel from Oak Ridge to provide instruction. Five attendees from the AL complex received training on STRIDE v2.0. All agreed that v2.0 was a step forward, offering significant improvements over the previous version.

#### Requests for Approval

None.

#### Standards/Requirement Identification Documents

AAO and Mason and Hanger presented a joint training session for AL on the development of the Mason and Hanger S/RID for the Pantex Plant. AL will present training next quarter to AAO and AL subject matter experts on the review and approval of the Mason and Hanger S/RID for the Pantex Plant.

#### Issues/Concerns

None.

#### Schedule Changes

None.

#### 2.2 Amarillo Area Office

#### **Order Assessment Status**

Phase 1 Order Compliance Assessment

The validation of the AAO procedures is continuing combined with an analysis of potential modification to incorporate the revised DOE Orders as needed. This has delayed the revision of some of the procedures.

#### Phase 2 Adherence Assessments

AAO has completed three self-assessments during the reporting period, including Management Systems, Industrial Hygiene, and the Environmental Restoration programs.

#### Compliance Assessment Database Status

STRIDE v1.1 is currently being used to capture Phase 1 compliance information using the February 1995 Order module. Plans are underway to convert to STRIDE v2.0.

#### Requests for Approval

The construction of the new Emergency Operations Center continues for AMAO-DOE-5500.2B-CSA-11 and AMAO-DOE-5500.1B-CSA-30.

#### Standards/Requirements Identification Documents

The review of the performance objectives and criteria is being coordinated with the planning for the annual ES&H appraisal by AL. The appraisal will be conducted using a selected sample of the performance objectives and criteria developed for the site-wide S/RID. The appraisal process will provide additional information on the utility and completeness of the set of performance objectives and criteria to the S/RID approval process. Based on the appraisal schedule and other factors, the approval for the site wide S/RID is targeted for early September 1996.

#### Issues/Concerns

None.

#### Schedule Changes

None.

#### 2.3 Kirtland Area Office

#### **Order Assessment Status**

None.

#### Compliance Assessment Database Status

KAO switched to STRIDE v2.0.

#### Requests for Approval

None.

#### Standards/Requirement Identification Documents

None.

#### Issues/Concerns

The KAO staff dedicated to Order Compliance and S/RIDs is extremely limited. KAO is working with AL to determine SNL's path forward.

#### Schedule Changes

None.

#### 2.4 Los Alamos Area Office

**Order Assessment Status** 

None.

Compliance Assessment Database Status

None.

Requests for Approval

None.

Standards/Requirements Identification Documents

LAAO has been working with LANL on the application of the Necessary and Sufficient Process.

Issues/Concerns

None.

Schedule Changes

None.

#### 3.0 Program Activities Status

AL has continued to work with laboratory and contractor personnel on standards-based initiatives. AL hosted an AL Standards Program Meeting and Workshop to share standards related activities between sites and to develop the framework for the AL Standards Program. The meeting focused on acceptable methods to tailor standards for a site. The methods include the 1) Directives Process (exemptions), 2) S/RIDs, and 3) Necessary and Sufficient Process.

The AL Standards Program is being integrated with the AL Contractor Performance Assessment Program such that the sets of standards developed for each site will be used as the basis for the sites annual assessment. The first test of the integration will be during the Pantex Plant's annual ES&H Appraisal in August 1996.

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### Pantex Plant Request for Approval Status

CSA Number	Status	Comments
MHPP-DOE-5480.8A-CSA-71B	Open	DOE Approval - 8/16/94
MHPP-DOE-5480.8A-CSA-74C	Closed	DOE Validated Closure - 11/9/95
MHPP-DOE-5480.8A-CSA-75A	Closed	DOE Validated Closure - 10/10/95
MHPP-DOE-5480.8A-CSA-77B	Open	DOE Approval - 2/16/96
MHPP-DOE-5480.7A-CSA-80	Open	DOE Approval - 3/5/96
MHPP-DOE-1300.2A-CSA-90	Open	DOE Approval - 1/8/96
MHPP-DOE-1300.2A-CSA-92	Open	DOE Approval - 1/8/96
MHPP-DOE-5483.1A-CSA-83	Being Revised	DOE Reviewed 12/5/95
MHPP-DOE-1300.2A-CSA-91	Being Revised	DOE Reviewed - 10/10/96
MHPP-DOE-5480.7A-CSA-94	Submitted	Being Reviewed
MHPP-DOE-5482.1B-CSA-85A	Submitted	Being Reviewed

Exemptions	Status	Comments
MHPP-DOE-5480.7A-EX-79	Approved	10/3/95
MHPP-DOE-5480.7A-EX-2	In Review	
MHPP-DOE-5610.11-EX-3	Approved	11/17/95
MHPP-DOE-5400.1-EX-5	In Review	
MHPP-10CFR835.1304-EX-7	Approved	1/5/96
MHPP-DOE-5480.7A-EX-8	In Review	
MHPP-DOE-5480.7A-EX-9	In Review	
MHPP-DOE-5480.7A-EX-10	In Review	

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#### **B.2 NEVADA OPERATIONS OFFICE**

90-2 QUARTERLY STATUS REPORT

October 1995 - December 1995 and January 1996 - March 1996

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#### DOE NEVADA OPERATIONS OFFICE

#### Section 1: Orders of Interest to the DNFSB

1. Sites Included:

DOE Nevada Operations Office (DOE/NV)

EG&G Energy Measurements, Inc. (EG&G/EM)

Raytheon Services Nevada (RSN)

Reynolds Electrical & Engineering Co., Inc. (REECo)

Bechtel Nevada (BN)

Wackenhut Services, Inc. (WSI)

2. Report Type:

90-2 Quarterly Status Report

3. Report Period:

October 1, 1995 - March 31, 1996

#### 4. Summary of Activities:

- \* Phase 1 completion percentages, for all DOE/NV sites, for all Orders of the original release of Orders and for all new, updated, changed and replacement Orders are indicated in the table below.
- \* The 64 Orders of interest to the DNFSB are listed in Attachment 1. Attachment 1 also identifies the Orders for which a Phase 1 self-assessment has been completed.
- \* The status of RFAs for all DOE/NV sites is shown in Attachment 2.
- \* All data for completed assessments has been entered into the site database. In-process assessments will be entered as the assessments are completed.
- \* EG&G/EM, RSN & REECo have all closed out their database and assessment process due to the contract being awarded to Bechtel Nevada on January 1, 1996.
- \* WSI is currently working on Phase II assessments and is evaluating the impact of the new orders.
- \* Bechtel Nevada is in the process of evaluating the Order Compliance System and requirements necessary to fulfill it's obligations to the new contract based on the available resources and funding.
- \* DOE/NV, Bechtel and WSI all recently attended the STRIDE 2.0 workshop in Nashville, TN.
- \* DOE/NV and Bechtel will host a STRIDE 2.0 Training Seminar April 15 17, in Las Vegas.

; ORDERS	DOEANV	EG&G/EM	REECO	RSN	WSI
Original Order Release	100%	100%	100%	100%	100%
New, updated, changed or replacements.	75%	77%	70%	75%	75%

#### 5. Status of Standards/Requirements Identification Documents

DOE/NV, Bechtel and WSI are currently evaluating N&S and S/RIDs. Due to the transition of the contract to Bechtel Nevada, and other associated activities involved in the transition to the new contract not much activity has taken place. The CREATES Database has completed its final beta testing phase and has initiated a training plan and class for users. Available funding may impact the future of this project.

#### 6. Issues and/or Concerns

With the transition to a new type of contract and a new contractor, there is some concern over the value-added and the applicability of consolidating the data from the three old contractors into one database for the new contractor. Bechtel is debating the merit of doing a complete phase I of the orders as they now apply to the new contractor (Bechtel Nevada).

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## DOE/NV PHASE 1 COMPLIANCE ASSESSMENT STATUS FOR ORDERS OF INTEREST TO THE DNFSB

#	ORDER	CHANGE,	DOENV	REECO	eg <b>ag/em</b>	RSN	WSI
1.	1300.2A	•	X	X	x	X	X
2.	1360.2B	•	X	X	X	Х	х
3.	1540.2	1*	X	X	X	X	Х
4.	1540.3A	•	x	x	X	Х	х
5.	4330.4B	·	х	Х	Х	Х	X
6.	4700.1	1	X	X	X	Х	X
7.	5000.3B	1	Х	X	X	Х	
8.	5400.1	1*	х	х	Х	X	X
9.	5400.2A	1*	Х	Х	X	Х	х
10.	5400.4	•	X	X	X	х	X
11.	5400.5	2*	X		X	X	X
12.	5440.1E	•	X	X	Х	X	X
13.	5480.10	•	Х	X	X	х	X
14.	5480.11	3*	X	Х	X	Х	X
15.	5480.15	+*	X	X	Х	х	X
16.	5480.17	•	x	Х	Х	Х	X
17.	5480.18B		X	X	X	х	X
18.	5480.19	1*	х	х	X	Х	X
19.	5480.1B	5*	х	х	х	Х	X
20.	5480.20A		X		X	Х	х
21.	5480.21	•	X	X	Х	X	X
22.	5480.22	1*	X	X	Х	Х	X
23.	5480.23	1	х	X	Х	Х	X
24.	5480.24	•	X	X	X	Х	X
25.	5480.25	•	х	X	· X	Х	X
26.	5480.26	•	X	X	Х	Х	X
27.	5480.28	•	Х	X	Х	х	X
28.	5480.29	•	X	X	Х	х	х
29.	5480.3	+*	X	х	Х	х	X
30.	5480.30	•	Х	Х	Х	х	<b>X</b> .
31.	5480.31		X	X	X	х	Х
32.	5480.4	4*	Х	Х	Х	х	х
33.	5480.6	•	Х	X	Х	Х	х
34.	5480.7A	•	X	X	X	X	X
35.	5480.8A	. 1*	X	X	Х	Х	X
36.	5480.9A		X		Х	X	X
37.	5481.1B	1+*	Х	X	X	X	X
38.	5482.1B	1*	X	X	X	x	Х

## DOE/NV PHASE 1 COMPLIANCE ASSESSMENT STATUS FOR ORDERS OF INTEREST TO THE DNFSB

*	ORDER	CHANGE	DOENV	REECO	eg&gæm	RSN	*WSI
39.	5483.1A	•	x	x	X	X	X
40.	5484.1	7*	X	x	X	X	X
41.	5500.10	1*	x	X	X	X	X
42.	5500.1B	1*	x	X	X	X	X
43.	5500.2B	1*	X	X	X	х	Х
44.	5500.3A	1*	X	X	X	X	X
45.	5500.4A	•	х	X	Х	X	X
46.	5500.7B	•	X	X	X	X	X
47.	5700.6C	•	X	X	X	X	X
48.	5820.2A	•	x	X	X	X	X
49.	6430.1A		X	X	X	X	Х
50.	M232.1-1						
51.	N441.1						
<b>52</b> .	N5484.1						
53.	O151.1						
54.	O210.1						
55.	O225.1						
58.	O231.1						
57.	O232.1						
58.	O425.1						
59.	O430.1						
60.	O440.1						
61.	O440.2						
62.	O451.1						
63.	O460.1						
64.	0472.1						

# DOE/NA STATUS OF RFAS

			BEING VAVRDED TO BECHTEL NEVADA  • THESE REEC AND RSN RFA 5 WILL BE CLOSED DUE TO CONTRACT		
	V/N	£6/81/9	HEALTH STATUS REVIEW	M2I-NA-2480'8-2LC2-HK-09	KES
	V/N	£6/L/¥	PHYSICAL CHEMICAL AND BIOLOGICAL AGENTS	M2I-NA-2480'8-21C2-E2\$H-04	YES
•	V/N	<del>16/1/11</del>	CONDUCT OF OPERATIONS	EZN-DOE-13480'18-C2V-03	YES
•	V/N	7/2/63	LECHNICYT ZLYNDYKDZ BKOCKYW	KEEC-DOE-1300'3V-C2V-10	YES
•	V/N	7/2/63	INFORMATION REPORTING REQUIREMENTS  ENVIRONMENTAL PROTECTION SAFETY & HEALTH PROTECTION	KEEC-DOE-2484'1-C2V-00	KES
•	V/N	£6/L/¥	RADIATION PROTECTION FOR OCCUPATIONAL WORKERS	REEC-DOE-5480.11-CSA-07	YES
CVNCETED	V/N	£6/81/9	MAINTENANCE MANAGEMENT PROGRAM	KEEC-DOE-1330'1V-C2V-00	<b>LES</b>
\$6/11/11	V/N	5/2/63	QUALITY ASSURANCE	KEEC-DOE-2100'16CC2V-04	<b>AE</b> 2
CVNCETED OBDEK	V/N	76/ <i>L</i> /71	MAINTENANCE MANAGEMENT PROGRAM	ECCE-DOE-1330'4V-C2V-03	YES
CVICETED OKDEK	V/N	76/ <i>L</i> /71	SITE SAFETY REPRESENTATIVES	NAEO-DOE-2480'11-C2V-04	<b>LE</b> 2
CVNCETED OKDEK	V/N	76/1/71	WYINLENYNCE WYNYCEWENL BROCKYM	NAEO-DOE-1330'1V-C2V-05	<b>LE2</b>
\$6/L7/11	V/N	76/ <i>L</i> /71	GUALITY ASSURANCE	NAEO-DOE-2100'9C-C2V-01	<b>XE2</b>
31VA	<b>JAVORAGA</b>	SOVALE VERNONVE LOOEVINA		A SAMUNAS A SAM	EKES I MESB

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## **B.3 OAKLAND OPERATIONS OFFICE**

90-2 QUARTERLY STATUS REPORT

October 1995 - December 1995 and January 1996 - March 1996

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#### DOE/Oakland Operations Office Lawrence Livermore National Laboratory 90-2 Order Compliance Status Report March 31, 1996

1. Site: Lawrence Livermore National Laboratory (LLNL)

2. Subject: 90-2 Quarterly Report

3. Period: October 1, 1995 - March 31, 1996

4. Overall Summary of Standards/Requirements (S/R) Activities:

#### a. DOE/Oakland Operations Office (OAK):

The current Department and Laboratory initiatives such as the Necessary & Sufficient process, Order Reduction, Standard-Based Management, Integrated Safety Management, Pilot Oversight program, and the issuance of DNFSB Recommendation 94-5, and subsequently, Recommendation 95-2, necessitated an evaluation of the ongoing activities with Recommendation 90-2 and 93-1 at DOE/OAK. These changes within the Department may affect the continual need for and/or scope of Recommendation 90-2 and 93-1. Our efforts in responding to the recommendations to date have been proven to be costly and time consuming with questionable value added. As a result, DOE/OAK will limit the scope of our implementation efforts.

#### Order Compliance:

#### Assessments:

The status of the Orders of Interest are shown in Attachment #1.

## Request for Approvals (RFAs):

All of the 31 original RFAs generated corrective actions that required development or updating of DOE/OAK Management Directives (MDs). The non-compliant conditions were due primary to lack of written policy/procedure for specific requirement. Current Recommendation 90-2 instruction mandated that the requirements are to be incorporated in implementing

documents by reference, quotation, or correct paraphrase. The instruction contradicts the policy and guidance provided by the New Directive System Manual (12/93).

DOE/OAK is in the process of phasing out the OAK Management Directive (MD). It will be replaced by the OAK Supplemental Directives (SDs). Some DOE Orders, in order to be fully implemented may be supplemented by an OAK Supplemental Directive. Generally, the policy for issuing supplemental directives will be when they demonstrate the following:

- a) adds value and is cost effective;
- b) does not contain non-essential requirements;
- c) does not contradict, alter or circumvent a basic DOE directive;
- d) does not repeat the DOE directive or guidance document;
- e) adds DOE/OAK "unique" implementing policies and procedures; and,
- f) delineates DOE/OAK cross-cut matrix responsibilities.

## b. Lawrence Livermore National Laboratory (LLNL)

During the third quarter of 1995, LLNL submitted the final DOCSA Project Quarterly Report detailing B-332 close-out status of current pending items, corrective actions and progress towards the development of a Standards/Requirements Identification Document (S/RID).

## Order Compliance:

#### Assessments:

Attachment #2, B-332 SAR Orders List, provides the current status of Orders that apply to B-332 (Plutonium Facility). All Orders have been reviewed and completed except for facility reviews of the indicated four Orders.

## Request for Approvals (RFAs):

Attachment #3, LLNL Corrective Action Status, shows the current activity of LLNL RFAs:

28 have been approved to date.

• 14 are currently at DOE/OAK for review and approval or validation.

## **Completed Corrective Actions:**

The following CSAs were validated complete by DOE/OAK during this reporting period:

- 1. LLNL-DOE-5400.1-CSA-041
- 2. LLNL-DOE-5480.8A-CSA-079A
- 3. LLNL-DOE-5480.8A-CSA-080A
- 4. LLNL-DOE-5480.8A-CSA-081A
- 5. LLNL-DOE-5480.19-CSA-058A
- 6. LLNL-DOE-5610.11-CSA-044A
- 7. LLNL-DOE-5480.20-CSA-022A
- 8. LLNL-DOE-5480.20-CSA-052B
- 9. LLNL-DOE-5500.3A-CSA-025
- 10. LLNL-DOE-5500.3A-CSA-026
- 11. LLNL-DOE-5480.20-CSA-053B

#### S/RID Development Process:

LLNL hired a project leader in April 1995 to coordinate the S/RID development effort. Approximately fifty percent of the S/RID chapters have been drafted. The LLNL effort with regard to the development of Standards/Requirements Identification Document (S/RID) has diminished significantly since October 1995 (S/RID milestone date, Implementation Plan 90-2). LLNL has requested incremental funding of \$1.1M for the development of S/RID for B-332 (Plutonium Facility). Additional justification for the funding request was also provided on January 31, 1996 by LLNL. The justification included listing of high priority initiatives that are currently underway at B-332. Most of them are commitments made to DOE/OAK in association with the implementation of Safety Analysis Report/Technical Safety Requirements or are part of the Laboratory's integrated safety management program.

In February 1996, the S/RID project leader left his position. The replacement of this position will not be determined until the funding issues are resolved.

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## Baseline Orders Complete of Interest to the DNFSB: 41

Order	Title	Being Assessed	Bolag Rassessed	In Dots Entry	In Beselles Medule	Added to Bessites	Junton	Connects
1540.2 C1	HAZMAT Packaging				x		Complete	
1540.3	Rad Mat Transp				X		Complete	Supercoded by A
1540.4	Protection of Rx Fuel				×	MA	Complete	Superceded by 5632.11
4330.4B	Maintenance Management				X		Complete	·
4700.1 CI	Project Management				X		Complete	
5000.3A	Occurenos Reporting				x		Complete	Separated by B
5400.1	Environmental Protection				x		Complete	
5400.2A	Environmental Compliance				х		Complete	
5400.3	Hazardous and Radioactive Waste				X	۵, .	Complete	
5400.4	CERCLA Requirements				X	. •	Complete	· ,
5400.5	Radiation Protection of the Public				X		Complete	
5440.1D	NEPA Program				x		Complete	Supercoded by B
5480.10	Contractor Industrial Hygiene Program				x		Complete	
5480.11	Radiation Protection				x		Complete	
5480.15	DOELAP				x		Complete	
5480.17	Site Safety Representatives				x		Complete	
5480.18A	Training Accreditation				×		Complete	
5480.19	Conduct of Operations				x		Complete	
5480.1B	ES&H Program				x		Complete	·
5480.3	Packaging and Transportation of HAZMAT				×		Complete	
5480.4	Environment, Safety and Health Standards				х		Complete	
5480.5	Safety of Nuclear Pacilities				x		Complete	NA
5480.7	Fire Protection				x		Complete	Supercoded by A
5480.9	Construction Safety and Health Program				x		Complete	
5481.1B	Safety Analysis and Review System				X		Complete	
5482.1B	ES&H Appraisal Program				x		Complete	
5483.1A	OSHA				х		Complete	
5484.1	ES&H Reporting				x		Complete	
5484.1 C7	ES&H Reporting				x		Complete	
5500.10	Emergency Readiness Assurance				х		Complete	
5500.1B	Emergency Management System				×		Complete	
	أحنان بالقائد الأكران والمستهم والمناز والمناز والمناز والمراوي والمناط والمناز والمناز والمناز والمناز							

Attachment #1

# Baseline Orders Complete of Interest to the DNFSB: 41

Order	Title	Boing Assessed	Boing Rossmend	In Don Baty	In Baseline Module	Added to Bessiles	Status	Composts
5500.2B	Emergency Categories				×		Complete	
5500.3A	Planning & Preparedness				x		Complete	
5500.4	Public Affairs Policy				x		Complete	Supercoded by A
5500.7B	Emerg Ops Records Prot				х		Complete	WA
5610.11	Nuclear Explosive Safety				X		Complete	
5610.11A	Nuclear Exiosive Safety				x		Complete	
5632.11	Protection of Uncla RX Fuel				x		Complete	10
5700.6C	Quality Assurance				X ·		Complete	·
5820.2A	Radioactive Waste Management				x	•	Complete	
6430.1A	General Design Criteria				X.		Complete	

# Baseline Orders Incomplete of Interest to the DNFSB: 3

Boing Assessed	Boing Rossmood	In Deen Beary	la Bessiina Modale	Added to Beauty	States	Comments
	×		×		Pending	MD Cancelled
	х		ж .		Punding	
	x		х		Pending	
	Boing Assessed	Being Asserted Suing Recurrend  X  X  X				X X Pending

October 4, 1985

Non-Baseline Orders Complete of Interest to the DNESB: 23

•							982	croper 4, 1
Political	Complete	x					Rediological Control	9.08
bodqafi	Complete	x					Imposition of Proposed Nuclear	2.08
	Complete	. x					ES & H Apprel as Program	71B CI
	Complete	. <b>x</b>					Contractor Occupational Medical Program	12 A8.0
	Complete	X					<b>n</b> oitestor¶ ग्रानी	<b>∀</b> £:0
	Complete	x					Environment, Safety and Health Standards	<b>&gt;&gt; &gt;</b> 0
	Complete	X					Етроусс Сопссти Малаветей Зужет	67.0
	Complete	x					Natural Phenomena Hazarda Minigation	82.0
	Complete	. <b>x</b>					Performance Indicators	97.0
	Complete	x					Salety of Accelerator Facilities	0.25
	ensiquico.	x					Auclest Criticality Safety	0.24
No PO Changes in Cl	e Selegeno O	x					Technical Safety Requirements	0.22 CI
	Complete	X					Technical Safety Requirements	52.0
	Complete	X					Ureviewed Salety Questions	15.0
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injush Of elf	Complete	X					Conduct of Operations	12 61 0
	Complete	X					Rediation Protection	ED 11.0
	Complete	×					META Program	0.1E
	Complete						Radiation Protection of the Public	0.5 C2
Supercoded by Cl	Ostaplate	×					Occurence Reporting	86.0
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	Ohmplete	×					Rad Mar Transp	<b>Λ</b> ξ.0
	Complete	×		ļ			Unclass Computer Security	O.2B
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## Attachment #1

# Non-Baseline Orders Incomplete of Interest to the DUESB: 5

MD Careabal	graphory	×			×		Public Affairs Policy	A4.0022
MD Carcelled	gaganal					×	Planning & Preparedaces	13 AE.0022
) (D) Carolled	galact				X		Emergency Categories	2200.2B CI
	gobref	¥			x		Startup and Restart of Muclear Faca	££.08 <b>≯</b> 2
	gnbrof	×			x		Nuclear Safety Analyzis Reports	5480.23
chemical Comments	rent	adant a babb	जनभर न्यानन्त व	You from Enery	betweenan galed	Besters Antonia	नगर	<b></b>

October 4, 1995

	Order on	
DOE Order	B332 closure	
Number	plan	Order Status
1540.2	No	No comments from Dennis Barrett- Assumed OK
4330.4A	No	Memo response- no changes- no work required
5000.3B chg 1	No	Order assessed 5/95- current- no work required
5400.1	Yes	Assessment complete- Review complete
5400.5	Yes	Assessment complete- Review complete
5480.1B	No	No contractor mandatory statements- no work required
5480.3	No	No comments from Dennis Barrett- Assumed OK
5480.4	No	List of regulations- not assessed- no work required
5480.7A	Yes	Assessment complete- Review complete
5480.8A chg 1	No	Order assessed 5/94- current- no work required
5480.10	Yes	Assessment complete- Review complete
5480.11	Yes	Assessment complete- Facility reviewing
5480.15	No	Assessment reviewed- no work required
5480.19	Yes	Assessment complete- Review complete
5480.20	Yes	Order update not required per Doug Eddy DOE/OAK 9/14/95

5480.21	Yes	Assessment complete- Review complete
5480.22	Yes	Assessment complete- Facility reviewing -
5480.23	Yes	Assessment complete- Review complete
5480.24	Yes	Assessment complete- Facility reviewing
5480.28	No	Awaiting acceptance into UC contract
5480.31	Yes	Assessment complete- Facility reviewing
5482.1B	No	Assessment complete- Review complete
5483.1A	No	Assessment reviewed- references in the order are current- no work required
5484.1	No	Assessment complete- Review complete
5500.1B chg 1	No	Assessment complete- Review complete
5500.2B chg 1	No	Assessment complete- Review complete
5500.3A chg 1	No	Assessment complete- Review complete
5500.4A	No	Assessment reviewed- references in the order are current- no work required
5500.9A	No	DOE considers NA to LLNL per J. van Guillory DOE/OAK
5500.10 chg 1	No	Assessment complete- Review complete
5530.5 chg 1	No	Assessment reviewed- references in the order are current- no work required
5610.1	No	Order canceled by 5610.12- 5610.12 has no contractor mandatory statements no work required

Memo response- no changes- no work required	oN	A1.0548
Assessment complete- Review complete	Yes	AS.0288
Order superseded by 10 CFR Part 830.120 for nuclear facilities	oN	5700,6C
Safeguard and Security classified CMS- controlled per 5610.11A		AE.EE33

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# CORRECTIVE ACTION STATUS

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## Attachment #3

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## Attachment #3

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## B.4 OAK RIDGE OPERATIONS OFFICE

90-2 QUARTERLY STATUS REPORT

October 1995 - December 1995 and January 1996 - March 1996

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Enclosure Letter, Gustavson to Spence Deted:

# Y-12 PLANT QUARTERLY STATUS REPORT FOR RECOMMENDATION 90-2 OCTOBER 1 - DECEMBER 31, 1995 JANUARY 1 - MARCH 31, 1996

Defense Programs (DP) Site/Facility;
 Department of Energy (DOE) Operations Office:
 Management and Operations Contractor.
 DP-Headquarter's Program Office

Y-12 Plant
Oak Ridge Operations
Lockheed Martin Energy Systems
DP-31

Report Period From October 1, 1995, to December 31, 1996 and From January 1, 1996, to March 31, 1996

III. Summary:

#### Oak Ridge Operations (ORO):

As of October 1, the DOE approved set of LMES/LMER Standards/Requiremens Identification Documents (S/RIDs) are the contractual basis for environment, safety, and health requirements. In addition to applicable laws, rules, and regulations, these approved S/RIDs contain all of the applicable requirements from the Defense Nuclear Facility Safety Board 51 Orders of interest. These requirements were included without adequacy determinations or housekeeping efforts to eliminate duplicate and conflicting requirements.

ORO is in presently using the Necessary and Sufficient (N&S) Process to revise its S/RIDs. This project for "Oak Ridge" includes Y-12, K-25, Oak Ridge National Laboratory (ORNL), and Environmental Restoration activities at Paducah, Kentucky and Portsmouth, Ohio. The application of the N&S Process at Oak Ridge will be managed through a project team. The primary project team consists of the Signature/Agreement Authorities, a Project Manager, an Executive Conviened Group, a Technical Conviened Group (TCG), and Process Leaders/Identification Teams. Additional support is being provided by the Oak Ridge Standards Management Group and a Department Standards Committee Process Coach. This is unquestionably a complex project and will be conducted in phases. The TCG is currently working to determine the scope of our initial application and we expect a decision on this by the end of April.

The facility group S/RIDs for Environmental Restoration Activities with Criticality Issues for K-25 Facilities, the Molten Salt Reactor, and the Nuclear Waste Management Facilities at Y-12 and

Enclosure
Letter, Gustavson to Spence
Dated:

ORNL low Level Waste System were approved on March 29, 1996 on schedule with commitments in the DOE Recommentation 90-2 Implementation Plan, Revision 5.

ORO is presently entering the Federal Adherence Assessment data into the STRIDe 2.0 database.

ORO continues to review and approve new and revised contractor Requests for Approval (RFAs) and close out contractor RFAs. All Federal RFA actions were completed by December 31, 1996.

#### Lockheed Martin Energy Systems, Inc.:

The facility group S/RIDs were completed on schedule. As part of the facility group S/RID development, the facilities also completed a Phase I assessment of the key and critical requirements of the Y-12 S/RID.

The Y-12 Plant continues to maintain the initial Phase I site assessments for the key and critical requirements identified in the S/RID. From October I through December 31, 1995, eleven new or revised RFAs were submitted to DOE, and four were closed or canceled. From January 1 through March 31, 1996, seven new or revised RFAs were submitted to DOE for approval, and five were closed or cancelled

Finally, the Y-12 Plant continues to use the results of the DOE surveillance program to provide additional adherence-based assessment data against these requirements. A process to reconcile the Y-12 corrective action tracking system and the Y-12 compliance management system adherence assessment data set is currently under way.

Table 1: Schedules for Standards/Requirements Program Milestones at the Y-12 Plant

Milestone			90-2 Implementation Plan, Revision 5, Schedule	Current Schedule	Comment		
1.	Order Compliance Assessment (OS) Assessments		Not Applicable (N/A).	N/A	Completed in January 1994.		
2.	Annual Phase 2 Assessment Plan		N/A	N/A	Since the Y-12 Plant is now assessing itself against an approved set of S/RIDs, no specific plar will be developed for OSCA.		
3.	3. OSCA Phase 2 Baseline Assessments		N/A	N/A	Initial set of assessments completed in March 1994		
4.	S/RID Development	Site	N/A	N/A	Site completed in March 1994.		
•		Facility	Footnote 1 of the 90-2 Implementation Plan indicates site S/RID will be updated based upon facility assessments.	11/95	Moderate hazard facility groups were completed on schedule.		
5.	S/RID Approval Site		N/A	N/A	DOE approval granted to site S/RIDs in November 1994.		
		Facility	Not in the implementation plan.	Detailed information follows.			
6.	S/RID Phase 1	Site	1/96	3/95	Assessments completed for the site.		
	Assessments	Facility	1/96	11/95	Assessments for the moderate-hazard facility group S/RIDs have been completed.		
7	S/RID Phase 2 Ba Assessments	iseline	Not in the implementation plan	Detailed information follows.			

#### IV. Detailed Information:

#### 1 Order Compliance Self-Assessment (OSCA) Phase 1 Assessments

In January 1994, the Y-12 Plant completed assessments for the 51 orders of interest at both the site-level and two moderate-hazard facilities, Buildings 9212 and 9720-5. Three months later, in March 1994, the Y-12 Plant completed the development of the initial set of RFAs.

Also in March 1994, the Y-12 Plant submitted its initial S/RIDs. At that time, the Y-12 Plant began to reorient its assessment program around the S/RID process.

#### 2. Annual Phase 2 Assessment Plan for OSCA Program

Since the Y-12 Plant has an approved set of S/RIDs, the annual Phase 2 assessment plan will be developed for the S/RID program only. See Section IV.7, "S/RID Phase 2 Assessment Plan," for further information.

#### 3. OSCA Phase 2 Baseline Assessments

An initial set of Phase 2 OSCA baseline assessments was completed in March 1994. Since the Y-12 Plant has an approved set of S/RIDs, further baseline assessments will be performed against the requirements established in the S/RIDs.

#### 4 S/RID Development

An initial set of S/RIDs for the Y-12 Plant was submitted to ORO in March 1994. In November 1995, the Y-12 Plant submitted the two identified facility group S/RIDs to the Y-12 Site Office (YSO) for their review and approval.

#### 5. S/RID Approval

On November 1, 1994, ORO approved the Y-12 Plant S/RIDs. In order to maximize the use of DOE resources, YSO has placed their approval of the facility group S/RIDs on hold pending completion of multiple related efforts: (1) the Necessary & Sufficient Process and (2) a parallel effort to revise certain existing S/RID functional area sections and develop the Standards and Control Management Plan for Enriched

Uranium Operations. These efforts have been discussed with appropriate Headquarters staff.

#### 6. S/RID Phase 1 Assessments

Site personnel have completed their assessment of the site S/RIDs. The facilities have also completed their assessment of the facility group S/RIDs.

## 7 S/RID Phase 2 Baseline Assessments

An assessment plan has been prepared but, as stated earlier, this plan focuses on resumption requirements rather than on the full array of S/RID requirements. To compensate for this shift in focus, assessment results are analyzed for S/RID compliance data. The results of this analysis are collected in the Y-12 compliance database and periodically reviewed to determine if programmatic deficiencies or adherence based trends exist. As appropriate, corrective action plans are developed.

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### B.5 SAVANNAH RIVER OPERATIONS OFFICE

90-2 QUARTERLY STATUS REPORT

October 1995 - December 1995 and January 1996 - March 1996

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#### 90-2 Quarterly Status Report

- 1. Savannah River Site (SRS)
- 2. Quarterly Report
- 3. November 1995 through March 1996
- 4. SRS 90-2 Program Activities

### DOE Savannah River Operations Office (SR)

SR has completed assessments for the applicable Orders that are of interest to the DNFSB in the 5/95 Module. SR will continue to maintain and upgrade the program to ensure compliance with current environment, safety, and health (ES&H) requirements.

There are 2 Exemptions (EXs) submitted and approved.

#### Westinghouse Savannah River Company (WSRC)

WSRC has completed all program and schedule commitments contained in Revision 5 of the "DOE Implementation Plan in Response to Recommendation 90-2." Specifically, the Site S/RID was submitted by Westinghouse Savannah River Company (WSRC) in May 1995 and was approved by the Savannah River Operations Office (SR) on August 29, 1995. Phase I assessments of the Site S/RID were completed in July 1995 and an integrated Phase II Assessment Plan was submitted in September 1995. SRS does not plan to develop facility-specific S/RIDs, as the site S/RID includes the requirements applicable to specific facilities.

As part of the S/RID pilot program, SRS developed a specific S/RID for the Defense Waste Processing Facility (DWPF), and this document was approved by the Department.

WSRC will continue to maintain, upgrade, and improve the program to ensure compliance with current ESAH standards. SR will also conduct technical assessments, as required, to ensure the adequacy of requirements and associated compliance assessments.

There are 25 Compliance Schedule Approvals (CSAs) submitted and approved. There are 30 EXs submitted and approved. There are 4 Implementation Plans (IPs) submitted with 1 approved (DOE 5700.6C, "Quality Assurance").

#### 90-2 Quarterly Status Report

The IPs for DOE 5480.22, "Technical Safety Requirements" and DOE 5480.23, "Nuclear Safety Analysis Reports" have been approved for HB-Line, Tank Farms, FB-Line, F-Canyon and In-Tank Processing Facilities. The IP for DOE 5480.24, "Nuclear Criticality Safety," has been approved for HB-Line, FB-Line, F-Canyon, and High Level Waste Facilities.

#### Wackenhut Services, Incorporated (WSI)

WSI has completed assessments for the Orders that are of interest to the DNFSB in the 5/95 Module. WSI will continue to maintain the program and update compliance information as necessary to reflect changes to the ES&H requirements baseline.

- 5. Request for Approval Status See above
- 6. Issues or Concerns None
- 7. Schedule Changes All schedule commitments have been completed.