



Department of Energy
National Nuclear Security Administration
Washington, DC 20585



November 30, 2007

The Honorable A. J. Eggenberger
Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, NW, Suite 700
Washington, D.C. 20004-2901

Dear Mr. Chairman:

I have been asked by the Administrator to inform you that the National Nuclear Security Administration (NNSA) has completed Phase 1 and Phase 2 assessments of the Safety Management Programs (SMP) and safety related Structures, Systems, and Components (SSC) at the Device Assembly Facility (DAF) at the Nevada Test Site. The enclosed letter from the Manager of the Nevada Site Office (NSO) summarizes and reports the completion of tasks committed in the related April 26, 2006 letter, from NNSA to the Defense Nuclear Facilities Safety Board (Board). The assessments resulted in the identification of a number of important safety issues that were addressed by resultant corrective action plans.

The NSO regularly briefed your staff during the conduct of the SMP assessments and provided your staff with copies of all assessment reports. We would be happy to set up a briefing to the Board should you desire further dialogue on DAF, the SMP assessments, and resultant corrective actions. If you have questions, please contact me or Michael Thompson of my staff at (301) 903-8064.

Sincerely,

Martin J. Schoenbauer
Principal Assistant Deputy Administrator
for Operations
Defense Programs

Enclosure

cc:
M. Whitaker, HS-1.1



Department of Energy
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Thomas P. D'Agostino, Administrator, National Nuclear Security Administration,
NNSA/HQ (NA-1) FORS

**NNSA NEVADA SITE OFFICE (NNSA/NSO) CLOSURE OF THE SAFETY ISSUES
MANAGEMENT SYSTEM (SIMS) COMMITMENTS FOR THE DEVICE ASSEMBLY
FACILITY (DAF)**

References: (1) A. J. Eggenberger to Linton Brooks, dtd 11/28/2005
(2) Letter, Linton Brooks to A. J. Eggenberger, dtd 4/26/2006

In reference (1) the Defense Nuclear Facilities Safety Board (DNFSB) requested the National Nuclear Security Administration (NNSA) to "reconsider the current strategy and adopt a more proactive and comprehensive approach to the review and assessment of important safety management programs and vital safety systems at the DAF." In reference (2) NNSA committed to the performance of an extensive series of assessments to determine the baseline level of compliance (Phase I) and performance (Phase II) of DAF Safety Management Programs (SMP).

For vital safety systems at the DAF, NNSA committed to (1) compile and review existing design documentation, (2) conduct field verification (via physical walk-down) to validate the accuracy and completeness of the design information, (3) review the adequacy of each system's existing design and operational history in meeting performance requirements derived through formal hazard and accident analysis, and (4) identify design changes required to achieve an acceptable level of safety performance. The vital safety system assessments would also be conducted in "phases" and would be prioritized and completed based upon the relative level of safety importance assigned to each system (i.e., safety class systems would be reviewed first, followed by safety significant systems, and then important to safety systems).

NNSA's commitments to the DNFSB contained in Reference (2) were entered into the Department of Energy's SIMS for tracking purposes as shown below:

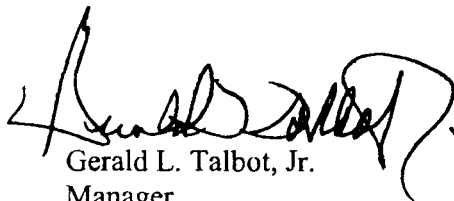
SIMS Commitment Title	Commitment Identification
Complete Safety Class Safety Structures, Systems, and Components (SSCs) SMP Assessments	L06-505, 1-3
NNSA/NSO Complete Phase II SMP Assessments	L06-505, 1-2
NNSA/NSO Review of Safety Significant SSCs	L06-505, 1-4
Complete Defense-in-Depth SSCs Assessments	L06-505, 1-5

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The purpose of this memorandum is to advise you that we have now completed all of the DAF SMP and vital safety system assessments. The assessments were completed by NNSA/NSO staff with support from the NNSA Service Center. Approximately 6000 man-hours have been expended in this effort to date. This included planning, conducting, and documenting the assessments and follow-up through review and approval of contractor corrective action plans or resolution of comments received during factual accuracy reviews with the contractor. All findings and corrective actions are being tracked by DAF and NNSA/NSO processes.

The attached report reflects the completion date for each assessment and identifies the corresponding SIMS commitment. Based upon our completion of all the DAF assessments, the four commitments being tracked in SIMS should be formally closed by NNSA.

If you have any questions or need additional information, please contact me at (702) 295-3211 or R. T. Brock at (702) 295-0892.



Gerald L. Talbot, Jr.
Manager

OMGR:RLA-717
DEF 4-1

Attachment:
As stated

cc w/atch:
M. J. Schoenbauer, NNSA/HQ (NA-10) FORS
D. H. Crandall, NNSA/HQ (NA-11) FORS
M. A. Thompson, NNSA/HQ (NA-17) FORS
M. B. Whitaker, Jr., DOE/HQ (HS-1.1) FORS
J. M. Heffner, DOE/HQ (HS-1.1) FORS
J. H. Davis, DOE/HQ (HS-1.1) FORS

ASSESSMENT STATUS REPORT

SAFETY MANAGEMENT PROGRAM							
System	Assessor	Phase 1 Report Approved	Phase 2 Report Approved	Findings Phase 1	Findings Phase 2	Date of Formal Report Transmitted to Contractor	Commitment Identification
Conduct of Operations	Tom Denny	11/17/06	12/20/06	2	1	Phase 1 12/04/06 Phase 2 02/05/07	L06-5-5, 1-2
Criticality Safety Phase	Tom Enyeart	09/27/06	12/20/06	0	2	Phase 1 12/04/06 Phase 2 02/05/07	L06-5-5, 1-2
Emergency Preparedness	Ricky Honaker	09/12/06	05/31/07	0	7	Phase 1 12/04/06 Phase II 08/08/07	L06-5-5, 1-2
Explosive Safety	Lori Plummer	03/06/07	07/11/07	8	5	Phase 1 04/06/07 Phase II 08/08/07	L06-5-5, 1-2
Fire Protection	Brian Fiscus	10/13/06	03/12/07	2	4	Phase 1 12/04/06 Phase 2 04/06/07	L06-5-5, 1-2
Maintenance Program	J. P. Martinez	08/06	08/06	0	4	Phases 1 & 2 12/04/06	L06-5-5, 1-2
Occupational Safety Program	Charles White	12/04/06	12/04/06	1	2	Phases 1 & 2 12/04/06	L06-5-5, 1-2
Quality Assurance	Michael Marelli	10/05/06	12/12/06	8	10	Phase 1 12/04/06 Phase 2 02/05/07	L06-5-5, 1-2
Radioactive Protection Program	Tom Enyeart	10/05/06	12/22/06	1	1	Phase 1 12/04/06 Phase 2 02/05/07	L06-5-5, 1-2
Safety Basis	Howard Goldin	05/17/07	05/17/07	4	3	06/28/07 Phases 1& 2	L06-5-5, 1-2
Training and Qualification Phase	Vickie Niemann	03/08/07	03/08/07	1	0	Phases 1 & 2 04/06/07	L06-5-5, 1-2
Waste Management	James Cebe	12/07/06	12/07/06	0	0	Phases 1 & 2 02/05/07	L06-5-5, 1-2

SAFETY CLASS STRUCTURES, SYSTEMS, AND COMPONENTS (SSCs)

System	Assessor	Report Approved	Findings	Date of Formal Report Transmitted to Contractor	Commitment Identification
Blast Doors	Bill Pulse	10/11/06	10	12/04/06	L06-505, 1-3
Blast Valves	Bill Pulse	10/04/06	10	12/04/06	L06-505, 1-3
Fire Suppression System	Brian Fiscus	10/04/06	12	12/04/06	L06-505, 1-3
Contaminated Waste Collection System	Dan Rivas	09/10/07	9	09/27/07	L06-505, 1-3
Facility Structure	Ron Alderson	05/30/07	7	06/28/07	L06-505, 1-3

SAFETY SIGNIFICANT SSCs

System	Assessor	Report Approved	Findings	Date of Formal Report Transmitted to Contractor	Commitment Identification
Resilient Flooring	Ron Alderson	04/02/07	12	04/06/07	L06-505, 1-4
Cranes and Hoists	Xavier Aponte	08/15/07	6	09/27/07	L06-505, 1-4
Emergency Lights	Randall Unger and David Lawson	07/11/07	7	08/08/07	L06-505, 1-4
Uninterruptible Power Supply	Randall Unger and David Lawson	07/11/07	7	08/08/07	L06-505, 1-4
Glovebox Confinement and Pressure Control	Ron Alderson	03/06/07	1	04/06/07	L06-505, 1-4
Downdraft Table Confinement Vent	Ron Alderson	02/13/07	1	04/06/07	L06-505, 1-4
Radiography Safety System	Tom Enyeart	01/10/07	7	02/05/07	L06-505, 1-4
High Efficiency Particulate Air Filters	Ron Alderson	08/15/07	4	09/27/07	L06-505, 1-4

IMPORTANT TO SAFETY SSCs

System	Assessor	Report Approved	Findings	Date of Formal Report Transmitted to Contractor	Commitment Identification
Dock Levelers	Xavier Aponte	09/05/07	1	09/27/07	L06-505, 1-5
Fork Lift Deadman Switch	Xavier Aponte	09/05/07	1	09/27/07	L06-505, 1-5
Radiation Airborne Monitoring System/ Heating, Ventilation, and Air Conditioning Interlock	Tom Enyeart	07/25/07	4	08/08/07	L06-505, 1-5
Backup Diesel Generator	Randall Unger and David Lawson	07/11/07	7	08/08/07	L06-505, 1-5
Fire Detection and Alarm	Brian Fiscus	05/30/07	8	06/28/07	L06-505, 1-5
Building Ventilation	Tom Enyeart	07/25/07	4	08/08/07	L06-505, 1-5
SYSTEM			PERCENT COMPLETION		
Safety Management Programs			100%	24/24	
Safety Class SSC			100%	5/5	
Safety Significant SSC			100%	8/8	
Important to Safety SSC			100%	6/6	