



Department of Energy

Germantown, MD 20874-1290

April 4, 2002

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

Dear Mr. Chairman:

The Department of Energy Implementation Plan for Defense Nuclear Facilities Safety Board Recommendation 2000-2, *Configuration Management Vital Safety Systems*, includes a number of commitments related to assessments of safety systems. As we have reported to you, Phase I assessments of safety systems at facilities listed in Appendix E of the implementation plan have been completed. Commitment 6 calls for evaluation of the results of the Phase I assessments and identification of facilities or systems that will receive Phase II assessments. Over the past several months, we have reviewed the Phase I results, selected systems and schedules for Phase II assessments, and discussed these Phase II plans with your staff.

This letter forwards the list and expected completion dates for Phase II assessments, and in conjunction with our periodic briefing to the Board on April 10, 2002, constitutes the deliverable under Commitment 6. The list includes many confinement ventilation systems, as Secretary Abraham discussed in his letter to you dated March 21, 2002. It also contains a few program attribute reviews, such as configuration management, maintenance, system engineering and drawing control, at some sites whose Phase I results indicated a need for assessment under Phase II.

One of the most significant outcomes of fulfilling the Implementation Plan has been the recognition, and subsequent development, of enduring institutional programs that will continue to assess the operability of safety systems, with particular attention to aging-related degradation. Sites are incorporating appropriate elements of the Phase II assessment criteria into ongoing safety system assessment programs.

If you have questions in this regard, please contact me at (301) 903-0124.

Sincerely,

A handwritten signature in black ink that reads "E. B. Blackwood".

Edward B. Blackwood
Director, Office of Environment, Safety and
Health Inspections

Enclosure



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**Phase II Assessments and Completion Dates
Defense Nuclear Facilities Safety Board Recommendation 2000-2**

Environmental Management	National Nuclear Security Administration
Carlsbad	ORNL
Waste Handling Building HVAC (12/01)	Building 3019 Cell Off-gas Ssystem (4/02)
INEEL	LANL
CPP-659 (NWCF) Confinement Ventilation (1/02)	TA-48, RC-1 Confinement Ventilation (4/02) Fire Sprinkler System and associated management systems (5/02) ¹
CPP-603B (IFSF) Confinement Ventilation (1/02)	TA-55, PF-4 Fire Alarm System and associated management systems (5/02) ¹
CPP-780/6 Tank Farm Confinement Ventilation (5/02)	Site Wide Fire Alarm System (7/02) Maintenance Program - attribute (4/02)
LLNL	LLNL ^{2,3}
Building 625 Fire Protection (5/02)	Configuration Management Program - Attribute (5/03)
Nevada	Nevada
WEF Confinement Ventilation (5/02)	DAF Fire Suppression and Detection (5/02)
RFETS	Oak Ridge Y-12
Building 371 Confinement Ventilation (3/02)	Building 9215 Stack 3 Exhaust System (5/02)
Building 371 Fire Protection (3/02)	Building 9204-2E CAAS (9/02) BWXT System Engineering Program - attribute (7/02)

Environmental Management	National Nuclear Security Administration
<p style="text-align: center;">Hanford</p> <p>PFPP Confinement Ventilation (7 Systems) (3/02)</p> <p>CWC Fire Protection (3/02)</p> <p>T-Plant Confinement Ventilation (6/02) ⁴</p> <p>Bldg 222-S Lab Confinement Ventilation (4/02) ⁴</p>	<p style="text-align: center;">Pantex</p> <p>Zone 4 Thermal Monitoring (9/02)</p> <p>System Drawing Program - attribute (4/02)</p>
<p style="text-align: center;">River Protection</p> <p>Transfer Leak Detection (3/02)</p> <p>Primary Tank Leak Detection (4/02)</p> <p>AN Primary/Secondary Ventilation (5/02)</p>	<p style="text-align: center;">SNL</p> <p>ACRR High Bay Ventilation (5/02)</p>
<p style="text-align: center;">SRS ²</p> <p>F-Canyon Confinement Vent. System Fans 2 & 3 (4/02)</p> <p>HB-Line Backup Power via ORR (5/02) ⁴</p> <p>HLW Multiple Systems via SAR review (6/02) ⁴</p>	<p style="text-align: center;">SRS</p> <p>Tritium facilities Fire Water Supply system (4/02)</p>

Footnotes:

1: Certain LANL Phase II assessments are being completed in cooperation with DOE/EH as part of the DOE Fire Safety Initiative.

2: Pilot Phase II assessments were completed at LLNL (Building 332 - glove box exhaust) and SRS (H-Canyon - canyon exhaust system).

3: LLNL is evaluating the feasibility of downgrading the B-332 emergency power system from safety class to safety significant. If the system is determined to be safety significant, DOE will re-evaluate the need for an assessment or review at that time. In the event this downgrade is not possible, LLNL will conduct a Phase II assessment of the B-332 emergency electrical power system by August 2003. If the Phase II assessment is performed, the LLNL Phase II attribute review on configuration management would be postponed until May 2004.

4: Results of these Hanford and SRS assessments may be incorporated in other reports instead of a full stand-alone Phase II report.