



Department of Energy  
National Nuclear Security Administration  
Washington, DC 20585



APR 29 2011

The Honorable Peter S. Winokur  
Chairman  
Defense Nuclear Facilities Safety Board  
625 Indiana Avenue, NW, Suite 700  
Washington, DC 20004

Dear Mr. Chairman:

The Department of Energy has completed Deliverable 5.4.3 of the Department's Implementation Plan (IP) for Recommendation 2009-2, *Los Alamos National Laboratory Plutonium Facility Seismic Safety*. The enclosure documents the basis for completion of the installation of an automatic seismic shutdown capability for non-vital laboratory room electrical loads in the Plutonium Facility that provides an engineered control to reduce laboratory room electrical ignition sources following an earthquake.

If you have any questions, please contact me at (202) 586-4379.

Sincerely,

James J. McConnell  
Assistant Deputy Administrator  
for Nuclear Safety, Nuclear Operations,  
and Governance Reform  
Office of Defense Programs

Enclosure

cc: M. Campagnone, HS-1.1  
K. Smith, LASO



# memorandum

National Nuclear Security Administration  
Los Alamos Site Office  
Los Alamos, New Mexico 87544

DATE: APR 14 2011  
REPLY TO:  
ATTN OF: Kevin W. Smith  
SUBJECT: Plutonium Facility Seismic Safety – Recommendation 2009-2, Deliverable 5.4.3

TO: James J. McConnell, Assistant Deputy Administrator for Nuclear Safety, Nuclear Operations and Governance Reform, National Nuclear Security Administration, NA-17, HQ/FORS

References:

1. U.S. Department of Energy – *Implementation Plan for Defense Nuclear Facilities Safety Board Recommendation 2009-2*, July 2010 (LASO COR-SO-3.9.2011-328833)
2. LANS letter AD-NHHO:11-063, from Robert L. McQuinn, AD-NHHO, LANS, to Charles Keilers, AM-SO, LASO, Subject: “*Submittal of Evidence for Early Completion of Milestone 5.4.3 of DOE Implementation Plan for DNFSB 2009-02, FY11 PBI 7.4.2, 7.4.3, and 18.4A,*”, dated February 23, 2011 (LASO COR-FO-2.24.2011-325583)

Deliverable 5.4.3 of Reference (1) is completed. Reference (2) documents the completion of the installation of an automatic seismic shutdown capability for Plutonium Facility non-vital laboratory room electrical loads; this capability provides an engineered control to reduce laboratory room electrical ignition sources.

The installation is complete and has passed functional testing. The laboratory is tracking the remaining actions required to credit the system as a safety-class engineered control, including but not limited to: completing relay shaker-table testing, developing maintenance and calibration requirements, updating drawings and maintenance documentation, and updating the safety basis.

If you have any questions regarding this memorandum, you may contact C. Keilers at (505) 606-1944.



Kevin W. Smith  
Manager

cc:

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