

July 13, 2006

Mr. Mark H. Williams, Director  
Regulatory Authority Office  
Office of Civilian Radioactive Waste Management  
U.S. Department of Energy  
1551 Hillshire Drive  
North Las Vegas, NV 89134-6321

SUBJECT: SUMMARY OF THE JUNE 7, 2006, TECHNICAL EXCHANGE AND  
MANAGEMENT MEETING ON SEISMIC DESIGN METHODOLOGY AND  
PERFORMANCE DEMONSTRATION

Dear Mr. Williams:

Enclosed is the summary of the June 7, 2006, Technical Exchange and Management Meeting between the U.S. Nuclear Regulatory Commission (NRC) and the U.S. Department of Energy (DOE). The purpose of this meeting was to discuss preclosure seismic design methodology and performance demonstration. The discussions focused on the Draft Interim Staff Guidance, HLWRS-ISG-01, *Review Methodology for Seismically Initiated Event Sequences*, that was issued for public comment on May 22, 2006 (71 FR 29369). This guidance supplements the Yucca Mountain Review Plan, NUREG-1804, Revision 2, for review of seismically initiated event sequences in the pre-closure safety analysis of the proposed Yucca Mountain geologic repository. At this meeting, DOE made presentations on its approach for seismic analyses to demonstrate preclosure performance.

This meeting was held at the Atomic Safety and Licensing Board Panel Hearing Facility in Las Vegas, Nevada, and via videoconferencing to NRC Headquarters in Rockville, Maryland; the Bechtel SAIC Company, LLC facilities in Las Vegas, Nevada; and the Center for Nuclear Waste Regulatory Analyses in San Antonio, Texas.

If you have any questions regarding the meeting summary, please contact Robert Johnson at (301) 415-6900 or by e-mail at [RKJ@nrc.gov](mailto:RKJ@nrc.gov).

Sincerely,  
/RA/

Lawrence E. Kokajko, Deputy Director  
Technical Review Directorate  
Division of High-Level Waste Repository Safety  
Office of Nuclear Material Safety  
and Safeguards

Enclosures:

1. Summary
  2. Agenda
  3. List of Attendees
  4. Presentations
- cc: See attached list.

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Letter to M. Williams from L. E. Kokajko dated: July 13, 2006  
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