

**INTERIM SUMMARY OF THE
U.S. NUCLEAR REGULATORY COMMISSION AND U.S. DEPARTMENT OF ENERGY
QUARTERLY MANAGEMENT MEETING
ROCKVILLE, MARYLAND
SEPTEMBER 12, 2006**

Staff from the U.S. Nuclear Regulatory Commission (NRC) and the U.S. Department of Energy (DOE) held a Quarterly Management Meeting open to the public on September 12, 2006. The purpose of this meeting was to discuss current issues associated with the proposed geologic repository at Yucca Mountain, Nevada. The meeting was held at the NRC Headquarters in Rockville, Maryland, with teleconferencing to the Center for Nuclear Waste Regulatory Analyses in San Antonio, Texas, and the DOE office in Las Vegas, Nevada. Enclosure 1 is the meeting agenda; Enclosure 2 is a list of the meeting attendees; and Enclosure 3 contains slides of the presentations given by DOE personnel Messrs. Mark Williams, John Arthur, and Paul Harrington (other DOE presenters did not have presentation slides).

Mr. Jack Strosnider (NRC) provided opening remarks and discussed: (1) Revision to NRC regulations regarding the compliance period in the Environmental Protection Agency's standard for Yucca Mountain; (2) DOE's design activities and completion of DOE's Critical Decision (CD)-1 process; (3) DOE's Integrated Requirements Product Team regarding DOE's design control/requirements flowdown activities; (4) lead laboratory integration at Sandia National Laboratory (SNL); (5) update of DOE's actions regarding the U.S. Geological Survey (USGS)-developed Infiltration Model and SNL work in this same area; (6) issues regarding the USGS e-mails; (7) updates to DOE's corrective action program; and (8) the importance of NRC/DOE technical exchanges.

Mr. Bill Reamer (NRC) presented the NRC program update and discussed: (1) NRC's independent role during pre-licensing application activities; (2) the importance of good communication between NRC and DOE and the results of recent and upcoming technical exchanges; (3) communication with DOE regarding Transportation, Aging, and Disposal (TAD) Canisters and DOE's Probabilistic Volcanic Hazard Analysis; (4) NRC's Interim Staff Guidance; and (5) NRC staff's observation of DOE's audit of its QA program implementation and Bechtel SAIC's (BSC's) audit of seismic consequence abstraction and related activities.

Mr. Edward Sproat (DOE) provided opening remarks and discussed: (1) His expectations as Director; (2) status of filling top management positions; (3) management responsibilities in the development of the License Application; (4) steps he intends to follow to submit a high-quality License Application by June 30, 2008; (5) DOE and BSC responsibilities regarding design of the geologic repository; (6) implementation of DOE's quality assurance program; and (7) the status of DOE's investigation regarding USGS e-mail issues.

Mr. Mark Williams (DOE) discussed: (1) NRC/DOE interactions and technical exchanges; (2) description and status of DOE's License Application Project; (3) potential impacts of programmatic changes to Key Technical Issue Agreements; (4) and DOE's response to NRC's Observation Audit Report regarding Lawrence Livermore National Laboratory. Mr. John Arthur (DOE) discussed DOE's corrective action program (CAP) including: (1) Results of external and internal assessments of DOE's CAP; (2) current CAP performance and effectiveness; (3) DOE's CAP performance improvement management plan; and (4) future improvements in the CAP.

Mr. Russell Dyer (DOE) provided an update of Yucca Mountain Project science activities and discussed the lead laboratory transition status and plans regarding SNL. Mr. Paul Harrington

(DOE) discussed: (1) CD-1 design changes; (2) programmatic requirements regarding the geologic repository; (3) geologic repository site layout; (4) TAD performance specifications status; (5) design control and requirements management; and (6) DOE's pre-closure safety analysis reliability methodology. Mr. Michael Ulshafer (DOE) discussed: (1) implementation of Revisions 18 to the Quality Assurance Requirements and Description; (2) DOE's Office of Quality Assurance staffing; and (3) recent DOE and BSC audit activities.

Mr. Lawrence Kokajko (NRC) provided closing points regarding: (1) The need for additional technical exchanges with a focus on Key Technical Issue Agreements, NRC's Additional Information Needs, and engineering design topics; (2) the importance of the successful transition to SNL as the lead laboratory for the program; (3) the importance of effective design controls; and (4) continued emphasis on CAP improvement. Messrs. Strosnider and Williams provided closing remarks.

Enclosures:

- 1. Meeting Agenda**
- 2. Meeting Attendees**
- 3. DOE Presentation Slides**