



UNITED STATES
NUCLEAR WASTE TECHNICAL REVIEW BOARD
2300 Clarendon Boulevard, Suite 1300
Arlington, VA 22201

Draft Agenda

Joint Meeting of Site Characterization and Repository Panels On Seismic Issues

Best Western Tuscany Suites and Casino
255 East Flamingo Road
Las Vegas, NV 89109
Phone: 702-947-5918 Fax: 702-732-2564

Monday, February 24, 2003

- 8:00 a.m.** **Call to order and introductory comments**
Priscilla Nelson, Meeting Chair
Nuclear Waste Technical Review Board (NWTRB)
- 8:05 a.m.** **Department of Energy (DOE) approach to Yucca Mountain seismic issues**
William Boyle
Office of Repository Development, Department of Energy (ORD)
- 8:15 a.m.* *Questions, discussion*
- 8:25 a.m.** **Probabilistic Seismic Hazard Analysis (PSHA) for Yucca Mountain**
J. Carl Stepp
Bechtel SAIC Company, Earthquake Hazards Solutions (BSC/EHS)
- 8:45 a.m.* *Questions, discussion*
- 9:05 a.m.** **Summary of geotechnical investigations and site conditions at Yucca Mountain**
Ivan Wong, BSC/URS Corporation (URS)
- 9:20 a.m.* *Questions, discussion*
- 9:35 a.m.** **DOE approach to preclosure analysis and design**
Richard Pernisi, BSC

- 9:50 a.m. *Questions, discussion*
- 10:05 a.m. BREAK**
- 10:20 a.m. Proposed ground motions for preclosure seismic design and analysis**
Walt Silva, BSC/Pacific Engineering and Analysis (PEA), and Ivan Wong,
BSC/URS
- 10:35 a.m. *Questions, discussion*
- 10:50 a.m. Preclosure seismic design and analysis**
Richard Pernisi, BSC
- 11:05 a.m. *Questions, discussion*
- 11:20 a.m. General postclosure seismic approach**
Mike Gross, BSC/Beckman and Associates (BA)
- 11:35 a.m. *Questions, discussion*
- 11:50 p.m. LUNCH**
- 12:50 a.m. Proposed ground motions for postclosure analysis and additional studies**
Walt Silva, BSC/PEA, and Ivan Wong, BSC/URS
- 1:15 p.m. *Questions, discussion*
- 1:40 p.m. Geological observations bearing on limiting ground motions**
James Brune
University of Nevada at Reno (UNR)
- 1:55: p.m. *Questions, discussion*
- 2:10 p.m. Drift Stability: seismic and thermal**
Mark Board, BSC
- 2:35 p.m. *Questions, discussion*
- 2:55 p.m. Response of the waste package, drip shield and other structural components**
to seismic events and their incorporation into Total Systems Performance
Assessment (TSPA)
Mike Gross, BSC/BA, and M. J. Anderson, BSC
- 3:15 p.m. *Questions, discussion*

3:35 p.m. BREAK

3:50 p.m. Round table
Mark Board (BSC), William Boyle (ORD), James Brune (UNR), C. Allin Cornell (BSC/Stanford University), Mike Gross (BSC/BA), Robert P. Kennedy (BSC/RPK, Structural Mechanics Consulting), Jerry King (BSC), Walt Silva (BSC/PEA).

Moderator: Daniel Bullen, NWTRB

Topics for Discussion

- (1) Current ground motion estimates for Yucca Mountain**
- (2) Alternate approaches to developing low-probability ground motions**
- (3) Use of ground motions in preclosure and postclosure design and analyses**
- (4) Alternate approaches to preclosure and postclosure design and analyses**

5:20 p.m. Public comments

5:40 p.m. Adjourn session
Priscilla Nelson, NWTRB