



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

## Fall 2002 Board Meeting September 10, 2002

Alexis Park Hotel  
375 E. Harmon Avenue  
Las Vegas, NV 89109  
Tel: (702) 796-3300  
Fax: (702) 796-3354

- 8:00 a.m. Call to order and Introductory Statements**  
Michael Corradini, Chairman, Nuclear Waste Technical Review Board (NWTRB)  
Jared Cohon, Outgoing Chairman, NWTRB
- 8:25 a.m. Comments from the State of Nevada**  
Robert Loux, Executive Director  
Agency for Nuclear Projects
- 8:35 p.m. Questions, discussion*
- 8:45 a.m. Overview of Programmatic Developments**  
[Margaret Chu](#), Director  
Office of Radioactive Waste Management (OCRWM)  
Department of Energy (DOE)
- 9:00 a.m. Questions, discussion*
- 9:15 a.m. Yucca Mountain Project Plans**  
[Donald Horton](#), Deputy Project Manager  
Yucca Mountain Site Characterization Office, DOE
- 9:30 a.m. Questions, discussion*
- 9:45 a.m. BREAK**
- 10:00 a.m. Introduction to Session on Science and Engineering Topics**  
Paul Craig, Session Chair

**10:05 a.m. Science and Engineering Update**  
Mark Peters  
Bechtel SAIC Company, LLC/Los Alamos National Laboratory (BSC/LANL)

*10:40 a.m. Questions, discussion*

**11:05 a.m. Report on Proposed Science and Technology Program**  
Steve Brocoum, DOE

*11:20 a.m. Questions, discussion*

**11:35 a.m. Inyo County, CA, Regional Ground Water Monitoring Program**  
Andrew Remus, Inyo County  
Michael King, The Hydrodynamics Group, LLC

*11:50 a.m. Questions, discussion*

**12:05 p.m. LUNCH**

**1:15 p.m. Interim Report of the Igneous Consequences Peer Review Panel**  
Robert Budnitz, Panel Chair, Future Resources Associates, Inc. (FRA)  
Frank Spera, University of California at Santa Barbara

*1:30 p.m. Questions, discussion*

**1:45 p.m. Post-Closure Thermal Conditions: How Hot Should It Get?**  
William Boyle, DOE

*2:00 p.m. Questions, discussion*

**2:15 p.m. Update on Corrosion Testing**  
Gerry Gordon, BSC/Framatome Advanced Nuclear Power

*2:30 p.m. Questions, discussion*

**2:45 p.m. Update on Repository Design**  
Gordon Pedersen, BSC

*3:00 p.m. Questions, discussion*

**3:15 p.m. BREAK**

**3:25 p.m. Introduction to Session on Total System Performance Assessment (TSPA)  
and Barrier Analysis**  
Norman Christensen, Session Chair

**3:30 p.m. Electric Power Research Institute Performance Assessment and Barrier Analyses**  
John Kessler, Electric Power Research Institute (EPRI)

*Questions to the speaker*

- (1) What are the results of the TSPA and barrier analyses?
- (2) What are the driving assumptions and data?
- (3) How and why are they different from TSPAs of Yucca Mountain produced by other groups?

**3:50 p.m. Questions, discussion**

**4:10 p.m. DOE Performance Assessment and Barrier Analyses**  
Peter Swift BSC/Sandia National Laboratories (SNL)

*Questions to the speaker*

- (1) What are the results of the TSPA and barrier analyses?
- (2) What are the driving assumptions and data?
- (3) How and why are they different from the TSPAs and barrier analyses produced by other groups?

**4:30 p.m. Questions, discussion**

**4:50 p.m. Round Table Discussion of TSPA and Barrier Analyses**  
John Kessler (EPRI), Peter Swift (BSC/SNL), Abraham Van Luik (DOE), Steve Frishman (State of Nevada), Tim McCartin (NRC), John Garrick (Advisory Committee on Nuclear Waste), Robert Budnitz (FRA)

*Questions for the Round Table*

- (1) What are the main causes for differences among the TSPA results?
- (2) How significant are these differences and how do they affect confidence in TSPA results?
- (3) Can any common conclusions be drawn from the different barrier analyses?
- (4) What do these analyses say about the relative significance of natural and engineered barriers at Yucca Mountain?
- (5) Can the barrier analyses be improved? If so, how?

**5:30 p.m. Public Comments**

**6:00 p.m. Adjourn**