



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

Draft
Fall 2002 Board Meeting
September 10, 2002

Alexis Park Hotel
375 E. Harmon Avenue
Las Vegas, NV 89109
Tel: (702) 796-3300
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- 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
Department of Energy (DOE)
Office of Radioactive Waste Management (OCRWM)
- 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/Los Alamos National Laboratories (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

11:50 p.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 (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

2:30 p.m. Questions, Discussion

2:45 p.m. Update on Repository Design
Larry Trautner, DOE

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

What are the results of the TSPA and barrier analyses?

What are the driving assumptions and data?

How and why are they different than 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

What are the results of the TSPA and barrier analyses?

What are the driving assumptions and data?

How and why are they different than 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), Abe 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 between 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