



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

Preliminary Agenda Summer 2000 Board Meeting

Scientific and Technical Issues and Total System Performance Assessment

Piñon Plaza Resort
2171 Highway 50 East
Carson City, Nevada 89701
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Tuesday; August 1, 2000

- 8:30 a.m. Call to order and introductory comments**
Jared Cohon, Chairman
Nuclear Waste Technical Review Board (NWTRB)
- 8:40 a.m. Welcoming remarks**
Senator Lawrence E. Jacobsen, Chairman
Committee on High-Level Radioactive Waste
Nevada State Legislature
- 8:45 a.m. Program and Project update**
Ivan Itkin, Director, Office of Civilian Radioactive Waste Management
U.S. Department of Energy (DOE)
- 9:00 a.m. Questions, discussion*
- 9:15 a.m. Comments from State of Nevada**
Robert Loux, Executive Director, Agency for Nuclear Projects
State of Nevada
- 9:25 a.m. Questions, discussion*
- 9:35 a.m. Introduction to session on scientific and technical issues**
Richard Parizek, NWTRB, session chair
- 9:40 a.m. State of Nevada-sponsored research on Alloy 22**
Aaron Barkatt, Catholic University
Jeff Gorman; Dominion Engineering, Inc.
- 10:10 a.m. Questions, discussion*

- 10:25 a.m. BREAK (15 minutes)**
- 10:40 a.m. Scientific and engineering update**
Mark Peters, Management and Operating Contractor (M&O)/Los Alamos National Laboratory (LANL)
- 11:10 a.m. Questions, discussion*
- 11:30 a.m. Volcanism and volcanic hazard at Yucca Mountain**
Frank Perry, M&O/LANL, and Kevin Coppersmith, M&O
- 11:55 a.m. Questions, discussion*
- 12:10 p.m. Questions and comments from the public**
- 12:40 p.m. LUNCH (1 hour)**
- 1:40 p.m. Addressing coupled thermal-hydrological-chemical processes using high-performance, massively parallel computers**
William Glassley, Lawrence Livermore National Laboratories
- 2:00 p.m. Questions, discussion*
- 2:10 p.m. Introduction to session on total system performance assessment for site recommendation (TSPA/SR)**
Daniel Bullen, NWTRB, session chair
- 2:15 p.m. TSPA/SR: introduction, structure, results, and overall uncertainty**
Abe Van Luik, DOE, and Robert Andrews, M&O
- 2:55 p.m. Questions, discussion*
- 3:35 p.m. BREAK (15 minutes)**
- 3:50 p.m. TSPA/SR: components and sensitivity studies**
- Unsaturated zone flow and transport (30 minutes)
Bo Bodvarsson, Lawrence Berkeley National Laboratory (LBNL)
- Engineered barrier system environment (30 minutes)
Ernest Hardin, Lawrence Livermore National Laboratory (LLNL)
- Waste package and drip shield (30 minutes)
Pasu Pasupathi, M&O
- 5:20 p.m. Adjournment**
Jared Cohon, NWTRB

Wednesday; August 2, 2000

- 8:30 a.m. Introduction to continuation of session on TSPA/SR**
Paul Craig, NWTRB, session chair
- 8:35 a.m. TSPA/SR: components and sensitivity studies (continuation)**
- Waste form (30 minutes)
Christine Stockman, Sandia National Laboratories, M&O/SNL
- Saturated zone flow and transport (30 minutes)
Bruce Robinson, M&O/LANL
- Biosphere (15 minutes)
John Schmitt, M&O/Science Applications International Corporation (SAIC)
- Disruptive events (40 minutes)
Kathy Gaither, M&O/SNL
- 10:30 a.m. BREAK (15 minutes)**
- 10:45 a.m. TSPA/SR uncertainty**
Abe Van Luik, DOE
- 11:25 a.m. Questions, discussion*
- 11:45 a.m. LUNCH (1 hour and 15 minutes)**
- 1:00 p.m. Introduction to TSPA panel and session on repository safety strategy**
Norman Christensen, NWTRB, session chair
- 1:05 p.m. Questions for TSPA panel from Board**
Panel consisting of TSPA presenters on August 1 and August 2
- 3:15 p.m. BREAK (15 minutes)**
- 3:30 p.m. Repository Safety Strategy**
Dennis Richardson, M&O
- 4:00 p.m. Questions, discussion*
- 4:30 p.m. TSPA/SR summary**
Abe Van Luik, DOE
- 4:40 p.m. Questions, discussion*

4:50 p.m. Questions and comments from the public

5:20 p.m. Close of Meeting