



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  
(775) 885-9000  
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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**