



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

## Agenda

### Winter Board Meeting January 20-21, 1998

Longstreet Inn  
HCR 70, Box 559  
Amargosa Valley, NV 89020  
Tel: 702-372-1777  
Fax: 702-372-1280

#### Tuesday, January 20

- 1:00 p.m. CALL TO ORDER/welcome**  
Jared Cohon, Chair, Nuclear Waste Technical Review Board (NWTRB)
- 1:15 p.m. Nye County welcome**  
Cameron McCrae, Nye County Commission
- 1:30 p.m. Update on the high-level nuclear waste management program**  
[Lake Barrett](#), Acting Director, Office of Civilian Radioactive Waste Management (OCRWM)  
*2:00 p.m. Questions/discussion*
- 2:15 p.m. Update on Yucca Mountain surface and underground exploration**  
[Russell Dyer](#), Acting Project Manager  
Yucca Mountain Site Characterization Office (YMSCO)  
*2:45 p.m. Questions/discussion*
- 3:00 p.m. Update on Yucca Mountain environmental programs**  
[Wendy Dixon](#), Assistant Manager for Environment, Safety, and Health, YMSCO  
*3:30 p.m. Questions/discussion*
- 3:45 p.m. BREAK (15 minutes)**
- 4:00 p.m. Government Performance and Results Act (GPRA) session**  
Mike Carroll, NWTRB
- 4:45 p.m. Questions for the Board and staff from the public**  
Jared Cohon, Chair, NWTRB

Tuesday, January 20 - continued

- 5:30 p.m. DINNER (Reconvene at 7:00 p.m.)**
- 7:00 p.m. Government Performance and Results Act (GPRA) evening session**  
Mike Carroll, NWTRB
- 7:45 p.m. Questions for the Board and staff from the public**  
Jared Cohon, Chair, NWTRB
- 8:30 p.m. Recess until 8:00 a.m., Wednesday, January 21**

Wednesday, January 21

- 8:00 a.m. Saturated zone session introduction**  
Richard Parizek, Meeting Chair, NWTRB
- 8:05 a.m. Overview of the saturated zone program and its objectives**  
[William Boyle](#), YMSCO
- 8:15 a.m. Regional 3-D ground-water flow model of Death Valley Basin**  
[Frank D'Agnese](#), United States Geological Survey (USGS)  
*8:30 a.m. Questions/discussion*
- 8:40 a.m. Significance of hydrochemical domains in the saturated zone at Yucca Mountain**  
[Zell Peterman](#), USGS  
*8:55 a.m. Questions/discussion*
- 9:00 a.m. Model for major ion chemistry of saturated zone waters along flow lines through Yucca Mountain**  
[Arend Meijer](#), Los Alamos National Laboratory (LANL)  
*9:15 a.m. Questions/discussion*
- 9:20 a.m. Hydraulic and tracer testing at the C-well complex**  
[M.J. Umari](#), [Paul Reimus](#), and Jake Turin, USGS  
*9:45 a.m. Questions/discussion*
- 10:00 a.m. BREAK (15 minutes)**

**Wednesday, January 21 - continued**

**10:15 a.m. Preliminary 3-D finite-element ground-water flow model of the saturated zone at Yucca Mountain**

[John Czarnecki](#), USGS

*10:35 a.m. Questions/discussion*

**10:45 a.m. Current status of the saturated zone flow and transport model**

[Bruce Robinson](#), LANL

*11:05 a.m. Questions/discussion*

**11:15 a.m. State of Nevada studies of the saturated zone**

[Linda Lehman](#)

*11:35 a.m. Questions/discussion*

**11:45 a.m. Nye County proposed saturated zone EWDP**

Parviz Montazer

*11:55 a.m. Questions/discussion*

**12:00 p.m. Questions/discussion of the morning session**

**12:15 p.m. LUNCH (1 hour)**

**1:15 p.m. Saturated zone expert elicitation session introduction**

Richard Parizek, Meeting Chair, NWTRB

**1:20 p.m. Saturated zone flow and transport conceptual model and parameter issues affecting total system performance assessment**

[Robert Andrews](#), INTERA

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

**1:35 p.m. Saturated zone flow and transport expert elicitation: process and summary of results**

[Kevin Coppersmith](#), Geomatrix

*1:45 p.m. Questions/discussion*

**1:50 p.m. An expert opinion**

[Allan Freeze](#), R. Allan Freeze Engineering, Inc.

*2:20 p.m. Questions/discussion*

**Wednesday, January 21 - continued**

- 2:30 p.m. An expert opinion**  
[Lynn Gelhar](#), Massachusetts Institute of Technology  
*3:00 p.m. Questions/discussion*
- 3:10 p.m. BREAK (15 minutes)**
- 3:25 p.m. Saturated-zone flow and transport analyses in total system performance assessment for Yucca Mountain**  
[William Arnold](#), Sandia National Laboratories
- 3:45 p.m. Program activities at Yucca Mountain addressing key saturated zone issues**  
[Dwight Hoxie](#), USGS  
*4:00 p.m. Questions/discussion with Board members and Board consultants*
- 4:20 p.m. Thermal testing program update**  
[Rob Yasek](#), YMSCO  
*4:45 p.m. Questions/discussion*
- 5:00 p.m. Questions/comments from the public**  
Jared Cohon, Chair, NWTRB
- 5:30 p.m. Closing remarks/ADJOURNMENT**  
Jared Cohon, Chair, NWTRB