



UNITED STATES
NUCLEAR WASTE TECHNICAL REVIEW BOARD
1100 Wilson Boulevard, Suite 910
Arlington, VA 22209

Agenda

Spring Board Meeting

April 21-22, 1993

Holiday Inn
1000 East 6th Street
Reno, Nevada 89512
(702) 786-5151

Wednesday, April 21, 1993

- 8:30 A.M.** **Welcome and Opening Remarks**
John Cantlon, Chairman
Nuclear Waste Technical Review Board (NWTRB)
- 8:35 A.M.** **Office of Civilian Radioactive Waste Management (OCRWM)**
Report on the Status of the Waste Management System
[Lake Barrett](#), OCRWM
- 8:50 A.M.** **Update on the Yucca Mountain Project**
Carl Gertz
Yucca Mountain Site Characterization Project Office (YMPO)
- 10:00 A.M.** **BREAK (15 minutes)**

RESOLVING DIFFICULT ISSUES
EXAMPLE: INFILTRATION AND FUTURE CLIMATES

THE PROCESS DEFINED

- 10:15 A.M.** **Session Introduction**
[Warner North](#), NWTRB

Wednesday, April 21, 1993 - continued

10:25 A.M. **Overview of the Yucca Mountain Program Process**
[Max Blanchard](#), YMPO

11:00 A.M. **Climate and Infiltration Issues in Assessing the Suitability of Yucca Mountain**
[Jeremy Boak](#), YMPO

11:45 A.M. **Integration of the Site Program**
[Dennis Williams](#), YMPO

Management & Operating (M&O) Contractor's Role in Integrating the Site Program
Thomas Statton, M&O

12:15 P.M. **LUNCH**

UPDATE ON STUDIES

1:30 P.M. **Session Introduction**
Patrick Domenico, NWTRB

1:30 P.M. **Integration and Use of Climate and Hydrologic Data and Models**
[Dwight Hoxie](#)
U.S. Geological Survey (USGS)

1:50 P.M. **Evidence of Past Climate Conditions**
[John Stuckless](#), USGS

2:20 P.M. **The Problem of Converting Precipitation into Infiltration**
[Martin Mifflin](#)
Mifflin & Associates, Inc.

3:20 P.M. **BREAK (15 minutes)**

Wednesday, April 21, 1993 - continued

- 3:35 P.M.** **A Scientific Perspective on Understanding Unsaturated Zone (UZ) Infiltration and Climate Change**
[Alan Flint](#), USGS
- 4:30 P.M.** **Percolation in the UZ**
[Joseph Rousseau](#), USGS
- 5:15 P.M.** **Discussion**
- 5:45 P.M.** **RECESS UNTIL THURSDAY, April 22**

Thursday, April 22, 1993

INTEGRATION OF DATA AND MODELS

- 8:00 A.M.** **Session Introduction**
Patrick Domenico, NWTRB
- 8:05 A.M.** **Modeling Can Have Nonunique Solutions**
[Linda Lehman](#)
L. Lehman & Associates, Inc.
- 8:35 A.M.** **Integration of Data and Models**
[Jean Younker](#), M&O
- 8:55 A.M.** **Modeling Flow in UZ Fractured Rocks**
[Edward Kwicklis](#), USGS
- 9:40 A.M.** **Three-Dimensional Site-Scale Model of UZ Flow at Yucca Mountain**
[Gudmundur Bodvarsson](#)
Lawrence Berkeley Laboratory (LBL)

Thursday, April 22, 1993 - continued

- 10:20 A.M.** **BREAK (15 minutes)**
- 10:35 A.M.** **Long-Term Climate Modeling**
[Starley Thompson](#)
National Center for Atmospheric Research
- 11:05 A.M.** **Confidence Building for Models**
[Chin-Fu Tsang](#), LBL
- 11:50 A.M.** **Qualification of Software**
[Claudia Newbury](#), YMPO
- 12:10 P.M.** **Application of Existing Data**
[Susan Jones](#), YMPO
- 12:40 P.M.** **LUNCH**
- RESOLVING THE ISSUE*
- 1:40 P.M.** **Session Introduction**
Warner North, NWTRB
- 1:45 P.M.** **Deciding When Enough Is Enough**
[Russell Dyer](#), YMPO
- 2:30 P.M.** **Summation of the Process**
Max Blanchard, YMPO
- 2:45 P.M.** **Discussion**
- 3:45 P.M.** **Closing Remarks and Adjournment**
John Cantlon, Chairman, NWTRB