



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

Agenda

Progress with Yucca Mountain Exploration and Testing and the Underground Repository Conceptual Design

Days Inn Crystal City
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Arlington, Virginia 22202
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NEAREST METRO STATION:
Crystal City (Yellow/Blue lines)

October 9-10, 1996

JEFFERSON BALLROOM

WEDNESDAY, OCTOBER 9

- 8:30 A.M.** **Call to order and welcome**
Edward Cording
Nuclear Waste Technical Review Board (NWTRB)
- 8:40 A.M.** **Update on the Yucca Mountain program**
[Daniel Dreyfus](#), Director
Office of Radioactive Waste Management (OCRWM)
U.S. Department of Energy (DOE)
- Fiscal year 1997 plans and priorities
 - Viability assessment
- 9:00 A.M.* *Questions/discussion*

YUCCA MOUNTAIN PROGRAM EXPLORATION AND TESTING

- 9:15 A.M. Session** **introduction**
Edward Cording, NWTRB

Wednesday, October 9 (continued)

9:20 A.M. **Fiscal year 1997 activities as they relate to the 1998 viability assessment and the 2002 license application**
[Stephan Brocoum](#)
 Yucca Mountain Site Characterization Project Office (YMSCO) (DOE)

10:15 A.M. *Questions/discussion*

10:30 A.M. **BREAK (15 minutes)**

10:45 A.M. **Fiscal year 1997 activities as they relate to the 1998 viability assessment and the 2002 license application (continued)**

11:20 A.M. *Questions/discussion*

11:45 A.M. **LUNCH (1 hour, 15 minutes)**

1:00 P.M. **Conceptual model of flow in the unsaturated zone: new insights**
[Dennis Williams](#), YMSCO (DOE)
 • Interpretation of chlorine-36 and other recent data
 • Integrated evaluation of the conceptual model

2:00 P.M. *Questions/discussion*

2:25 P.M. **Significance of alternative conceptualizations of unsaturated zone flow to system performance**
[Abe Van Luik](#), YMSCO (DOE)
 • Description of the U.S. Geological Survey/Lawrence Berkeley Laboratory unsaturated zone model case
 • Description of the reasonably conservative and optimistic cases evaluated
 • Drinking water dose results for 5 and 30 km distances from the potential repository
 • Implications of results
 • Other evaluations planned or in progress

2:45 P.M. *Questions/discussion*

Wednesday, October 9 (continued)

2:55 P.M. BREAK (15 minutes)

3:10 P.M. Preparations for a fully integrated and comprehensive TSPA-VA
[Abe Van Luik](#), YMSCO (DOE)

- The TSPA-VA plan
- The abstraction process
- The role of expert elicitation and peer review
- TSPA-VA activity schedule

3:30 P.M. Questions/discussion

REPOSITORY OPERATIONS

3:45 P.M. Overview of mined geologic disposal system operations
[Richard Snell](#), Fluor Daniel, Inc. (F-D)
Management and operating contractor (M&O)
and
Jack Bailey, TRW Environmental Safety Systems, Inc. (TRW) M&O

- Physical characteristics
- Operations
- Key design issues

4:45 P.M. Questions/discussion

5:15 P.M. Public comment/discussion

5:45 P.M. Recess until 8:30 A.M., Thursday, October 10

THURSDAY, OCTOBER 10

8:30 A.M. **Reconvene**
Edward Cording, NWTRB

REPOSITORY OPERATIONS (continued)

8:35 A.M. Retrievability **issues**
[Jack Bailey](#), TRW (M&O)

- Definition of approaches
- Methods of retrieval

9:05 A.M. Questions/discussion

9:20 A.M. **Waste package physical characteristics**
[Hugh Benton](#)
Framatome Cogema Fuels-M&O

- Interface requirements (size, weight)
- Shielding considerations
- Closure activities

9:50 A.M. Questions/discussion

10:05 A.M. **BREAK (15 minutes)**

10:20 A.M. **Subsurface remote handling**
[Alden Segrest](#)
Duke Engineering & Services, Inc. (Duke)-M&O

- Development of remote handling techniques
- Available technology
- Monitoring and off-normal operations

10:50 A.M. Questions/discussion

Thursday, October 10 (continued)

11:05 A.M. Drift stability and maintenance (long term)

Alden Segrest, Duke-M&O

- Ground support options
- Drift sizing
- Thermal considerations
- Accessibility
- Operational requirements

*11:35 a.m. Questions/discussion***11:50 a.m. Repository thermal management**

Richard Snell, F-D (M&O)

- Thermal-loading strategy
- Repository design

*12:20 p.m. Questions/discussion***12:35 p.m. Public comment/discussion****1:00 p.m. Closing statement and adjournment**

John Cantlon, NWTRB chair