



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

Final Agenda
Winter Board Meeting

January 10-11, 1996

**Holiday Inn Crowne Plaza
4255 South Paradise Road
Las Vegas, Nevada 89109
Tel: (702) 369-4400
Fax: (702) 369-3770**

Wednesday, January 10

- 8:30 A.M.** **Welcome and opening remarks**
John Cantlon, Chair
Nuclear Waste Technical Review Board (NWTRB)
- PROGRAMMATIC AND TECHNICAL UPDATES
- 8:35 A.M.** **Session introduction**
Edward Cording, NWTRB
- 8:45 A.M.** **Office of Civilian Radioactive Waste Management (OCRWM)
program priorities**
Wesley Barnes, YMSCO for
[Daniel Dreyfus](#), Director
- Overall budget
 - Program realignment
 - Research priorities
- 9:25 A.M. *Questions/discussion*
- 9:45 A.M.** **Yucca Mountain Site Characterization Office (YMSCO) program
activities update**
Wesley Barnes, Project Manager ([no handouts](#))
- 10:05 A.M. *Questions/discussion*
- 10:15 A.M.** **BREAK (15 minutes)**
- 10:30 A.M.** **Exploratory studies facility (ESF) construction update**
[Richard Craun](#)
Assistant Manager for Engineering and Field Operations (YMSCO)
- TBM performance/cost update
 - Fiscal year 1996 exploration and testing goals
- 10:50 A.M. *Questions/discussion*

Wednesday, January 10 — continued

11:00 A.M. Status update on waste containment and isolation strategy

[Jean Younker](#)

Manager, Suitability and licensing operations
TRW Environmental Safety Systems, Inc.
Management and Operating Contractor (M&O)

- Discussion of key hypotheses
- Possible adoption as a DOE document

11:10 A.M. Questions/discussion

11:15 A.M. Update on site investigations

[Dennis Williams](#)

Deputy Assistant Manager for Scientific Programs (YMSCO)

11:35 A.M. Questions/discussion

11:45 A.M. Update on site in-situ thermal tests

[William Boyle](#)

Geoengineering Team Leader (YMSCO)

- What have we learned from recent testing
- Yucca Mountain conceptual "plumbing system"
- In-situ thermal test facility — What near term tests are planned for the in-situ thermal test facility? When will data be available? • What are the key issues to which test results will be applied?
- Waste isolation strategy status, update.

12:20 P.M. Questions/discussion

12:30 P.M. LUNCH (1 hour)

REACTION TO THE NATIONAL ACADEMY OF SCIENCES (NAS) REPORT
ON THE TECHNICAL BASES FOR YUCCA MOUNTAIN STANDARDS

1:30 P.M. Session introduction
Garry Brewer, NWTRB

1:35 P.M. Nuclear Regulatory Commission (TALK CANCELLED)
Margaret Federline
Acting Director, Division of Waste Management

1:55 P.M.

- Concerns
- Plans for response

Questions/discussion

Wednesday, January 10 — continued

2:05 P.M. **Environmental Protection Agency (TALK CANCELLED)**
Ray Clark

- Summary of comments received
- Plans for action

2:25 P.M. *Questions/discussion*

2:35 P.M. **BREAK (15 minutes)**

UPDATE ON INTERNATIONAL PROGRAMS

2:50 P.M. **British nuclear waste management program**
[Michael Folger](#)
Managing Director, UK NIREX, Ltd.
Great Britain
3:10 P.M. *Questions/discussion*

3:30 P.M. **Chinese nuclear waste management program**
[Ju Wang](#)
Vice Director, Environmental Research Center
Beijing Research Institute of Geology
Chinese National Nuclear Corporation
3:50 P.M. *Questions/discussion*

4:05 P.M. **Public comment period**

4:45 P.M. **Recess until 8:30 A.M., Thursday, January 11**

Thursday, January 11

EXPERT

JUDGMENT

- 8:30 A.M.** **Session introduction**
Jared Cohon, NWTRB
- 8:45 A.M.** **DOE views**
[Thomas Bjerstedt](#)
Geologist (OCRWM)
• Status of recommendations from 1992 meeting in New Mexico
• Position on expert judgment
9:05 A.M. *Questions/discussion*
- 9:15 A.M.** **NRC views**
[Aaron R. DeWispelare](#), CNWRA
• Position on the use of expert judgment in licensing
9:35 A.M. *Questions/discussion*
- 9:45 A.M.** **State of Nevada views**
Steve Frishman ([no handouts](#))
Technical Policy Coordinator
Nevada Nuclear Waste Projects Office
• Position on use of expert judgment
10:05 A.M. *Questions/discussion*
- 10:15 A.M.** **BREAK (15 minutes)**
- 10:30 A.M.** **Results of probabilistic volcanic hazard analysis (PVHA)**
[Kevin Coppersmith](#), GEOMATRIX
• Goals of the elicitation
• Discussion of the process
• Preliminary results
• Insights
11:00 A.M. *Questions/discussion*

Thursday, January 11 — continued

11:10 A.M. **Process used in PVHA**
Alexander McBirney ([no handouts](#))
Professor Emeritus, University of Oregon

- Initial expectations
- Validity and thoroughness of process
- Comparison with other experiences

11:25 A.M. *Questions/discussion*

11:30 A.M. **Expert judgment elicitation dealing with climate change**
[Aaron DeWispelare](#)
Waste Systems Engineering and Integration Element
Center for Nuclear Waste Regulatory Analysis

11:50 A.M. *Questions/discussion*

12:00 P.M. **Use of expert judgment in preparing TSPA 95**
[Robert Andrews](#)
Performance Assessment, INTERA (M&O)

12:20 P.M. *Questions/discussion*

12:30 P.M. **LUNCH (1 hour)**

TECHNICAL BASIS REPORT ON SURFACE PROCESSES

1:30 P.M. **Session introduction**
Clarence Allen, NWTRB

1:35 P.M. **National Academy of Sciences review of DOE technical basis report on surface processes**
[Ernest Smerdon](#), Chair
Committee for Yucca Mountain Peer Review: Surface Characteristics, Preclosure Hydrology, and Erosion

- Committee goals and objectives
- Conclusions
- Recommendations to the DOE
- Usefulness of the process

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

2:10 P.M. **State of Nevada response to the DOE report on surface processes**
[Carl Johnson](#)
Administrator of Technical Programs
Nevada Nuclear Waste Projects Office

2:30 P.M. *Questions/discussion*

Thursday, January 11 — continued

2:40 P.M. **DOE perspectives on the surface processes technical basis report**
[Steve Brocoum](#)

Assistant General Manager for Suitability and Licensing (YMSCO)

2:50 P.M. *Questions/discussion*

3:00 P.M. **BREAK (15 minutes)**

MANAGEMENT OF DEFENSE WASTE AND SURPLUS FISSILE MATERIALS

3:15 P.M. **Planning and coordination for defense waste acceptance and disposal**
[Diane Harrison](#), (YMSCO) for

Steve Gomberg

Systems Engineering Division (OCRWM)

- Integration: OCRWM and Environmental Management (EM)
- Update on key activities for defense waste acceptance

3:35 P.M. *Questions/discussion*

3:45 P.M. **Disposition of surplus weapons plutonium**
[William Danker](#)

Office of Fissile Materials Disposition (DOE)

- Update on disposition program issues and status
- Draft programmatic environmental impact statement on plutonium storage and disposition

4:05 P.M. *Questions/discussion*

4:15 P.M. **Repository-related technical analysis supporting the disposition of surplus weapons-usable plutonium**

[Diane Harrison](#)

Engineer (YMSCO)

- Waste form characteristics
- Criticality

4:35 P.M. *Questions/discussion*

4:45 P.M. **Public comment period**

5:30 P.M. **Closing remarks and adjournment**
John Cantlon, NWTRB