



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

Agenda  
1995 Summer Board Meeting

Exploratory Studies Facility Update  
Repository Operation and Conceptual Design  
Repository Licensing

Little America Hotel  
500 South Main Street  
Salt Lake City, UT 84101  
Tel: (801) 363-6781  
Fax: (801) 596-5911

July 11-12, 1995  
Ballroom C

**Tuesday, July 11, 1995**

- 8:30 A.M.**                    **Welcome and opening remarks**  
John Cantlon, Chairman  
Nuclear Waste Technical Review Board (NWTRB)
- 8:35 A.M.**                    **Opening remarks from the Department of Energy (DOE)**  
Russ Dyer or Wes Barnes, DOE
- 8:45 A.M.**                    **Session introduction**  
Edward Cording, NWTRB
- 8:50 A.M.**                    **"Independent Management and Financial Review, Yucca Mountain Project"**  
Jim Kelley, Joe Kellogg, John Reiss, Charles Wilkins  
Peterson Consulting Limited Partnership
- 9:40 A.M.                    *Discussion/comments*
- 10:10 A.M.**                    **BREAK (15 minutes)**
- 10:25 A.M.**                    **Exploratory studies facility (ESF) update**  
[Richard Craun](#), DOE
- Recent progress and projected excavation
  - Subsurface construction lessons learned
    - Ground support

**Tuesday, July 11 — continued**

- Excavation through fractured zones
- Portland tunnel boring machine
- Concurrent operations, alcove #2
- Conveyor status
- Board of consultants
- Surface facilities status
- Management issues
  - Restructured management and operating contractor (M&O) organization
  - New procurement organization
- Ventilation issues

*11:10 A.M. Discussion/comments*

**11:40 A.M.**

**Calico Hills update**

[Michael Cline](#), M&O

Woodward-Clyde Federal Systems

- North ramp extension alternatives evaluation
- Calico Hills system study

*12:10 P.M. Discussion/comments*

**12:25 P.M.**

**LUNCH (1 hour)**

**1:25 P.M.**

**ESF geologic conditions**

[Dennis Williams](#), DOE

- Geotechnical reports on predicted and as-found conditions
- Faults
- Stratigraphic contacts
- Rock quality

*1:40 P.M. Discussion/comments*

**Tuesday, July 11 — continued**

**1:55 P.M.**

**ESF testing**

[Ned Elkins](#)

Los Alamos National Laboratory

- ESF activities
  - Mapping and sampling
  - Construction monitoring
  - Saturation
  - Alcoves 1 through 4
  - Diesel emissions test
  - Current thermal testing concept

*2:25 P.M.*

*Discussion/comments*

**2:40 P.M.**

**Repository operational concepts**

[Kal Bhattacharyya](#), M&O

Morrison Knudsen Corporation (MK)

- Functions related to waste disposal
- Phases of mined geologic disposal system operations
- Operational concepts, alternatives, and key issues
  - Construction
  - Development
  - Emplacement
  - Retrieval
  - Permanent closure

*3:25 P.M.*

*Discussion/comments*

**3:40 P.M.**

**Repository advanced conceptual design**

[Daniel McKenzie](#), M&O (MK)

- Controlled design assumptions
  - Changes resulting from the program plan
- Repository layouts
  - Major features
  - Alternatives
- Retrievability
  - Issues
  - Ongoing and planned design activities

*4:10 P.M.*

*Discussion/comments*

**Tuesday, July 11 — continued**

**4:25 P.M.**                      **BREAK (15 minutes)**

**4:40 P.M.**                      **Repository engineering studies**  
[Daniel McKenzie](#), M&O (MK)

- 100-year ground support
- Backfill
- Rockfall recovery

*5:25 P.M.*                      *Discussion/comments*

**5:40 P.M.**                      **Recess until 8:30 A.M., Wednesday, July 12**

**Wednesday, July 12, 1995**

REPOSITORY LICENSING

**8:30 A.M.**                      **Session introduction**  
Garry Brewer, NWTRB

**8:35 A.M.**                      **High-level waste licensing process**  
[Joe Holonich](#), et al.  
Nuclear Regulatory Commission (NRC)

- NRC perspective on licensing
- Overall licensing process for a repository
- Prelicensing interactions and activities

*10:35 A.M.      Discussion/comments*

**10:45 A.M.**                      **BREAK (15 minutes)**

**Wednesday, July 12 — continued**

**11:00 A.M.**                      **Program approach to repository licensing**  
[Stephan Brocoum](#), DOE

- DOE philosophy on geologic repository licensing

*11:30 A.M.      Discussion/comments*

**11:40 A.M.**                      **License application annotated outline status**  
[April Gil](#), DOE

- Intent and process
- Associated NRC guidance documents
- Status and schedule
- Use for resolution of issues

*12:25 P.M.      Discussion/comments*

