



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

Agenda
Meeting of the
Panel on the Engineered Barrier System (EBS)

Current and Planned EBS Research

March 10, 1994

**Sheraton Inn
5115 Hopyard Road
Pleasanton, CA 94588
(510) 460-8800**

8:30 A.M.

Welcome

Ellis Verink, panel chair
Nuclear Waste Technical Review Board (NWTRB)

OVERVIEW

8:35 A.M.

Impacts of evolving waste package/repository designs on EBS research

[William Simecka](#)

Department of Energy (DOE)
Yucca Mountain Site Characterization Project Office

[David Stahl](#)

Management & Operating Contractor (M&O)
B&W Fuel Company (BWFC)

9:05 A.M.

Overview of OCRWM-sponsored activities at Lawrence Livermore National Laboratory (LLNL)

[Willis Clarke](#), LLNL

9:35 A.M.

Large Block Test Materials Study Plans

[Dale Wilder](#), LLNL

10:00 A.M.

BREAK (15 minutes)

Continued

WASTE PACKAGE PERFORMANCE ASSESSMENT

- 10:15 A.M.** **Session introduction**
Dennis Price, session chair, NWTRB
- 10:20 A.M.** **Corrosion models in performance assessment**
[William Halsey](#), LLNL
- 10:45 A.M.** **Zircaloy cladding as a disposal barrier**
[Kevin McCoy](#), M&O (BWFC)
- 11:10 A.M.** **Zircaloy cladding performance in dry storage**
[William O'Connell](#), LLNL
- 11:35 A.M.** **Criticality control in a repository**
[Thomas Doering](#), M&O (BWFC)
- 12:00 P.M.** **LUNCH (1 hour, 15 minutes)**

WASTE PACKAGE MATERIALS RESEARCH

- 1:15 P.M.** **Session introduction**
Ellis Verink, session chair, NWTRB
- 1:20 P.M.** **Current and planned materials research**
[R. Daniel McCright](#), LLNL
- 1:50 P.M.** **Thermogravimetric studies**
[Gregory Gdowski](#), LLNL
- 2:15 P.M.** **Accelerated stress corrosion cracking studies**
[Jangyul Park](#)
Argonne National Laboratory
- 2:40 P.M.** **BREAK (15 minutes)**

WASTE PACKAGE ENVIRONMENT RESEARCH

- 2:55 P.M.** **Session introduction**
Donald Langmuir, session chair, NWTRB

Continued

- 3:00 P.M.** **Impact of introduced materials on repository performance**
[Annemarie Meike](#), LLNL
- 3:25 P.M.** **Hydrous pyrolysis of diesel fuel**
[Kenneth Jackson](#), LLNL
- 3:50 P.M.** **Microbially influenced corrosion in an unsaturated repository**
[Penny Amy](#)
University of Nevada at Las Vegas
- 4:20 P.M.** **BRIEF BREAK (10 minutes)**

PUBLIC COMMENT, ROUND-TABLE DISCUSSION, AND CLOSING REMARKS

- 4:30 P.M.** **Comments from the public**
Members of the audience
- 4:45 P.M.** **Charge to the round-table participants**
Ellis Verink, NWTRB
- 4:45 P.M.** **Round-table discussion**
Participants will include today's speakers and members and staff of the Panel on the Engineered Barrier System.
- 5:25 P.M.** **Closing remarks**
Ellis Verink, NWTRB
- 5:30 P.M.** **ADJOURN**