Agenda

Combined HG&G/SG&G Panels:
Meeting on Thermal Management For A
High-Level Waste Repository

November 17-18, 1994

Dupont Plaza Hotel
1500 New Hampshire Ave., NW
Washington, DC 20036
1-800-841-0003
(202) 483-6000
Fax (202) 328-3265

Thursday, November 17, 1994

8:30 A.M. Welcome/introduction/overview
Edward Cording/Donald Langmuir
Nuclear Waste Technical Review Board (NWTRB)

DEPARTMENT OF ENERGY (DOE) PROGRAM APPROACH
THERMAL MANAGEMENT STRATEGY

8:45 A.M. Office of Civilian Radioactive Waste Management (OCRWM) program approach
Ron Milner, OCRWM
• Overview/five-year plan
• Waste acceptance, storage, and transportation
• Mined geologic disposal system
• Integrated milestones/schedules
Thursday, November 17 — continued

9:00 A.M. Overall compliance strategy
Stephan Brocoum, Yucca Mountain Site Characterization Project Office (YMSCO)
- Design/operations
- Waste isolation
- Expected thermal-loading positions
  - Technical site-suitability determination
  - Environmental impact statement
  - License application
  - Update to receive and possess
  - Amendment for permanent closure

THERMAL MANAGEMENT OPTIONS

9:30 A.M. Waste acceptance, storage, and transportation program objectives
Samuel Rousso, OCRWM

9:45 A.M. Waste acceptance requirements
Alan Brownstein, OCRWM

10:00 A.M. Multipurpose canister rationale
Jeffrey Williams, OCRWM

10:15 A.M. BREAK (15 min)

10:30 A.M. System thermal management strategy
Donald (Buz) Gibson, Management and Operating Contractor (M&O)
TRW Environmental Safety Systems, Inc. (TRW)

11:00 A.M. Mined geologic disposal system thermal options/goals
Steven Saterlie, M&O (TRW)
Thursday, November 17 — continued

SITE RESPONSE TO THERMAL LOAD

11:20 A.M.  Testing requirements for thermal-loading decisions in the proposed program approach  
Michael Voegele, M&O  
Science Applications International Company (SAIC)

12:00 P.M.  LUNCH (1 hour and 15 minutes)

1:15 P.M.  Coupled processes overview: thermal, hydrological, and mechanical  
Ardyth Simmons, YMSCO

1:30 P.M.  Site response to thermohydrologic, thermochemical, and thermomechanical couples  
Dale Wilder  
Lawrence Livermore National Laboratory (LLNL)

3:00 P.M.  How will the large block test aid the implementation of underground tests?  
Dale Wilder, LLNL

3:30 P.M.  BREAK (15 min)

3:45 P.M.  Round-table discussion  
All participants and attendees

5:15 P.M.  Comments from the audience

5:30 P.M.  Recess until 8:30 A.M., Friday, November 18
Friday, November 18, 1994

REVIEW OF ONGOING ANALYSES

8:30 A.M.  Thermal-loading system study update
Steven Saterlie, M&O (TRW)
- Parameters that affect assessments
- Monitoring approaches/thermal limits

8:55 A.M.  Total systems performance assessment (TSPA) updates
Robert Andrews, INTERA

9:55 A.M.  Status of the thermohydrologic review evaluation team
Ardyth Simmons, YMSCO

10:15 A.M.  BREAK (15 min)

IN SITU TESTING REQUIREMENTS

10:30 A.M.  Underground heater tests
William Halsey, LLNL
John Pott, Sandia National Laboratories
- Tests to be done
- Testing schedule
- Basis for spatial and temporal scaling
- Regulatory and design requirements to be addressed
- How test data will be used in decision making
- Data/analyses needed for low and high thermal-loading decisions

11:30 A.M.  Underground test coordination
William Boyle, YMSCO
- Construction, planning, and coordination of ESF tests
  — Test needs
  — Impacts on ESF design and construction
Friday, November 18 — continued

12:00 P.M.  LUNCH (1 hour and 30 min)

1:30 P.M.  Summary
Stephan Brocoum, YMSCO
- Decision-making process
- Management/regulatory controls
- DOE/M&O management (why, how, and when)

PERSPECTIVES

2:00 P.M.  State of Nevada

2:10 P.M.  Electric Power Research Institute

2:20 P.M.  Affected local units of government

2:30 P.M.  BREAK (15 min)

2:45 P.M.  Round-table discussion
All participants and attendees

4:15 P.M.  Comments from the audience

4:30 P.M.  Adjournment