Agenda

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

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NEAREST METRO STATION:
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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)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/I. O.</th>
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<tr>
<td>9:20 A.M.</td>
<td>Fiscal year 1997 activities as they relate to the 1998 viability assessment and the 2002 license application</td>
<td>Stephan Brocoum Yucca Mountain Site Characterization Project Office (YMSCO) (DOE)</td>
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<td>10:15 A.M.</td>
<td><strong>Questions/discussion</strong></td>
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<td>10:30 A.M.</td>
<td><strong>BREAK (15 minutes)</strong></td>
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<td>10:45 A.M.</td>
<td>Fiscal year 1997 activities as they relate to the 1998 viability assessment and the 2002 license application (continued)</td>
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<td>11:20 A.M.</td>
<td><strong>Questions/discussion</strong></td>
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<td>11:45 A.M.</td>
<td><strong>LUNCH (1 hour, 15 minutes)</strong></td>
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<td>1:00 P.M.</td>
<td><strong>Conceptual model of flow in the unsaturated zone: new insights</strong></td>
<td>Dennis Williams YMSCO (DOE)</td>
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<td></td>
<td>• Interpretation of chlorine-36 and other recent data</td>
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<td>• Integrated evaluation of the conceptual model</td>
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<td>2:00 P.M.</td>
<td><strong>Questions/discussion</strong></td>
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<td>2:25 P.M.</td>
<td><strong>Significance of alternative conceptualizations of unsaturated zone flow to system performance</strong></td>
<td>Abe Van Luik YMSCO (DOE)</td>
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<td>• Description of the U.S. Geological Survey/Lawrence Berkeley Laboratory unsaturated zone model case</td>
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<td>• Description of the reasonably conservative and optimistic cases evaluated</td>
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<td>• Drinking water dose results for 5 and 30 km distances from the potential repository</td>
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<td>• Implications of results</td>
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<td>• Other evaluations planned or in progress</td>
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<td>2:45 P.M.</td>
<td><strong>Questions/discussion</strong></td>
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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