MEETING AGENDA
Longstreet Inn
Amargosa Valley, NV 89020
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SEPTEMBER 27, 2006

9:00 A.M.  Opening Remarks
B. John Garrick, Chairman, U.S. Nuclear Waste Technical Review Board

9:30 A.M.  OCRWM Program and Project Overviews
Edward Sproat, Director,
Office of Civilian Radioactive Waste Management, DOE

9:50 A.M.  Discussion

10:10 A.M.  Break

10:30 A.M.  NRC Perspective on the Safety Case for Geologic Repositories
Lawrence Kokajko, U.S. Nuclear Regulatory Commission

11:00 A.M.  Discussion

11:30 A.M.  Lunch

12:30 P.M.  Overview of OCRWM’s Yucca Mountain Repository System Postclosure Safety Case
Russ Dyer, DOE/OCS

12:50 P.M.  Discussion

1:10 P.M.  Barrier Capability and the Assessment of System Performance
Peter Swift, Sandia National Laboratories
  . System performance assessment process: site characterization; features, events, and processes (FEPs); iterative modeling of components and data collection; identification of barriers; development of system model (i.e., TSPA)
  . Multiple barrier system concept: Quantitative estimates of the capabilities of specific barriers, quantitative estimates of overall system performance
  . Sources and types of uncertainty in system performance assessment
  . Representative quantitative examples of barrier performance

1:40 P.M.  Discussion

2:10 P.M.  Break
2:30 P.M.  **The Role of Analogues**  
*Pat Brady*, Sandia National Laboratories  
- The role of analogues in evaluating conceptual models, numerical models, and numerical model predictions  
- Insights into source term, unsaturated zone transport, and system modeling from the Peña Blanca natural analogue  
- Natural analogues in Probabilistic Volcanic Hazard Assessment, Probabilistic Seismic Hazard Assessment, and long-term climate predictions  
- Engineered system analogues

3:00 P.M.  **Discussion**

3:30 P.M.  **The Science and Technology Program**  
*Mark Peters*, Argonne National Laboratory  
- Overview of Science and Technology Program research in source term, engineered systems, and natural systems  
- Approach used to ensure that results from the S&T Program enhance the technical basis of (and confidence in) the performance estimates for a Yucca Mountain repository

4:00 P.M.  **Discussion**

4:30 P.M.  **Performance Confirmation and Long-Term Science and Monitoring**  
*Frank Hansen*, Sandia National Laboratories  
- Regulatory requirements for Performance Confirmation and Long-term Science and Monitoring  
- Performance Confirmation ongoing and planned activities  
- Long-term Science and Monitoring ongoing and planned activities

4:50 P.M.  **Discussion**

5:10 P.M.  **Concluding Remarks**  
*Peter Swift*, Sandia National Laboratories

5:15 P.M.  **Discussion**

5:20 P.M.  **Public Comments**

6:00 P.M.  **Adjourn Public Meeting**