



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

## Agenda

### Panel on Performance Assessment: TSPA-VA

**April 23-24, 1998**

Sheraton Uptown Albuquerque Hotel  
2600 Louisiana Blvd., NE  
Albuquerque, New Mexico 87110  
Tel: 505-881-0000  
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#### Thursday, April 23

- 8:00 a.m. Welcome**  
Daniel Bullen, Chair–Panel on Performance Assessment  
Nuclear Waste Technical Review Board (NWTRB)
- 8:15 a.m. Introduction to total system performance assessment for the viability assessment (TSPA-VA)**  
[Abe Van Luik](#), Department of Energy (DOE)
- 8:30 a.m. Basic structure, conceptual model, and results of the TSPA-VA**  
[Robert Andrews](#), Management and operating contractor (M&O), INTERA  
9:15 a.m. *Questions/discussion*
- 10:00 a.m. BREAK (15 minutes)**
- 10:15 a.m. Uncertainty analysis in the TSPA-VA**  
[Michael Wilson](#), M&O (Sandia National Laboratories)  
10:40 a.m. *Questions/discussion*
- 11:00 a.m. Climate, infiltration, and unsaturated zone flow in the TSPA-VA**  
[Jack Gauthier](#), M&O (Sandia National Laboratories)  
11:30 a.m. *Questions/discussion*

- 12:00 p.m. LUNCH (1 hour)**
- 1:00 p.m. Questions/comments from the public**
- 1:30 p.m. Seepage and thermal hydrology in the TSPA-VA**  
[Michael Wilson](#), M&O (Sandia National Laboratories)  
*2:00 p.m. Questions/discussion*
- 2:30 p.m. Waste package degradation in the TSPA-VA**  
[Jerry McNeish](#), M&O (INTERA)  
*3:00 p.m. Questions/discussion*
- 3:30 p.m. BREAK (15 minutes)**
- 3:45 p.m. Near-field geochemistry, waste form dissolution, radionuclide mobilization, and engineered barrier system transport in the TSPA-VA**  
[Jerry McNeish](#), M&O (INTERA)  
*4:15 p.m. Questions/discussion*
- 4:45 p.m. Unsaturated zone transport, colloids, saturated zone flow, and biosphere in the TSPA-VA**  
Jack Gauthier, M&O (Sandia National Laboratories)  
*5:15 p.m. Questions/discussion*
- 5:45 p.m. Recess for the evening**

**Friday, April 24**

**8:00 a.m. Reconvene: questions/comments from the public**

**8:30 a.m. Traceability example**

[Cliff Ho](#), M&O (Sandia National Laboratories)

*8:55 a.m. Questions/discussion*

**9:15 a.m. Evaluation of disruptive scenarios**

[Ralston Barnard](#), M&O (Sandia National Laboratories)

*9:55 a.m. Questions/discussion*

**10:30 a.m. BREAK (15 minutes)**

**10:45 a.m. Summary of TSPA-VA**

[Holly Dockery](#), M&O (Sandia National Laboratories)

*11:00 a.m. Questions/discussion*

**11:15 a.m. Comments by the Nuclear Regulatory Commission**

[Keith McConnell](#)

*11:30 a.m. Questions/discussion*

**11:45 a.m. Summary comments**

Chris Whipple, ICF Kaiser Engineering

Jean Bahr, University of Wisconsin at Madison

Steve Frishman, Nevada Nuclear Waste Project Office

Robert Andrews, M&O (INTERA)

**12:15 p.m. Closing remarks and adjournment**

Daniel Bullen, NWTRB