



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

**AGENDA**  
**Repository Design Update**  
**Panel on the Engineered System**  
**January 20, 2004**

Crowne Plaza Hotel  
4255 South Paradise Road  
Las Vegas, NV 89109  
Tel: (702) 369-4400  
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**Tuesday, January 20, 2004**

- 8:00 a.m. Call to Order and Introductory Statement**  
Ron Latanision, Chair, Panel on the Engineered System  
Nuclear Waste Technical Review Board (NWTRB)
- 8:20 a.m. Yucca Mountain Project Status**  
W. John Arthur III, Deputy Director for Repository Development  
Office of Repository Development (ORD), Office of Civilian Radioactive Waste  
Disposal (OCRWM), U.S. Department of Energy

*8:35 a.m. Questions, discussion*

**REPOSITORY DESIGN UPDATE**

- 8:50 a.m. Introduction and Preclosure Safety Analysis**  
Paul Harrington, Repository Engineering and Design Division,  
Office of License Application and Strategy, ORD

*9:00 a.m. Questions, discussion*

- 9:10 a.m. Surface Facilities**  
Paul Harrington

*9:40 a.m. Questions, discussion*

- 10:00 a.m. BREAK**

- 10:15 a.m. Continuation of Repository Design Update Session**  
David Duquette, member, NWTRB

**10:20 a.m. Subsurface Facilities**  
Paul Harrington

*10:55 a.m. Questions, discussion*

**11:15 a.m. Waste Package, Drip Shield, and Invert**  
Paul Harrington

*11:45 a.m. Questions, discussion*

**12:00 noon Public Comment Period**

**12:15 p.m. LUNCH**

**1:35 p.m. Continuation of the Repository Design Update Session**  
Dan Bullen, member, NWTRB

**1:40 p.m. NEI Views on the Surface Facility Design**  
Steven Kraft, Director, Waste Management, Nuclear Energy Institute

*2:00 p.m. Questions, discussion*

#### **NYE COUNTY ACTIVITIES RELATED TO THE ENGINEERED SYSTEM**

**2:10 p.m. Alternate Conceptual Models for Engineered Barrier System Chemistry and Performance**  
John Walton, Professor, Department of Civil Engineering, and Director, Environmental Engineering and Science Program, University of Texas - El Paso

*2:30 p.m. Questions, discussion*

**2:40 p.m. BREAK**

**2:55 p.m. Session Continuation**  
Ron Latanision

**3:00 p.m. Status of Nye County Ventilation Studies**  
John Walton

*3:20 p.m. Questions, discussion*

#### **OCRWM's SCIENCE AND TECHNOLOGY PROGRAM**

**3:40 p.m. Update on OCRWM's Science and Technology Program**  
Robert Budnitz, Scientist,  
Lawrence Livermore National Laboratory

*4:10 p.m. Questions, discussion*

**4:40 p.m. Public Comment Period**

**5:10 p.m. Adjourn**