



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

**Marked-up Board Agenda**

**Joint Meeting, Panel on Hydrogeology & Geochemistry and Panel  
on Structural Geology & Geoenvironment Meeting**

**June 26, 1991**

**The Registry Hotel  
3203 Quebec Street  
Denver, CO 80207  
(303) 321-3333**

**8:30 A.M.**

**Opening Remarks**

Donald Langmuir, Nuclear Waste Technical Review Board, (NWTRB)

**8:35 A.M.**

**Role of Non-Equilibrium Fracture-Matrix Flow in Site Characterization**

[Thomas Buscheck](#), Lawrence Livermore National Laboratory

Dave Dobson, Department of Energy (DOE)

**9:20 A.M.**

**Geochemical and Isotope Methods for Determining Flowpaths and Travel Time Using Carbon, Oxygen, and Tritium Data**

[Al Yang](#), U.S. Geological Survey (USGS)

**10:00 A.M.**

**Isotopic Constraints on Transport Models (<sup>36</sup>Cl)**

[June Fabryka-Martin](#), Los Alamos National Laboratory (LANL)

**10:30 A.M.**

**Summary of Unsaturated-Zone Studies and Discussion**

[Barney Lewis](#), USGS

**-over-**

**Testing in the Saturated Zone**

- 11:00 A.M.**                      **Introduction and Framework of Saturated-Zone Studies**  
   [Claudia Newbury](#), DOE
- 11:15 A.M.**                      **Studies of Regional Groundwater Flow System**  
   [John Czarnecki](#), USGS
- Potentiometric Levels
  - Large Gradient
  - Evapotranspiration and Discharge
  - Forty Mile Wash Recharge
- 11:55 A.M.**                      **Site Potentiometric-Level Evaluation**  
   [Richard Luckey](#), USGS
- 12:30 P.M.**                      **LUNCH**
- 1:30 P.M.**                        **Analysis of Strain-Related Water-Level Fluctuations**  
   [Gary Patterson](#), USGS
- 2:00 P.M.**                        **Hydrologic-Stress and Conservative Tracer Testing**  
   [M.J. Umari](#), USGS
- Martin Mifflin, State of Nevada
- 2:50 P.M.**                        **BREAK**
- 3:00 P.M.**                        **Testing with Reactive Tracers**  
   [Bruce Robinson](#), LANL
- Carl Johnson, State of Nevada

