

# UNITED STATES NUCLEAR WASTE TECHNICAL REVIEW BOARD 1111 18th Street, N.W., Suite 801 Washington, D.C. 20036

#### MEETING OF THE HYDROGEOLOGY AND GEOCHEMISTRY PANEL

DECEMBER 11-12, 1989

Briefing by the U.S. Department of Energy's Yucca Mountain Project Office

#### Monday, December 11, 1989

8:30 a.m.

Opening Remarks, Introduction

Maxwell B. Blanchard, Yucca Mountain Project Office

9:00 a.m.

Characterization of infiltration

Alan Flint, Hydrologist, U.S. Geological Survey

10:30 a.m.

Break

10:45 a.m.

Measurement of unsaturated zone hydrologic properties

•Overview of matrix properties

Alan Flint, Hydrologist, U.S. Geological Survey

•Air permeability testing-role of fractures

Robert C. Trautz, Hydrologist, U.S. Geological Survey

•In situ monitoring-measuring fluid-flow potential field

Joseph P. Rousseau, Hydrologist, U.S. Geological Survey

11:45 a.m.

Lunch

(over)

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#### NWTRB HYDROGEOLOGY AND GEOCHEMISTRY PANEL MEETING

## Monday, December 11, 1989 (continued)

5:00 p.m.

Wrap-Up, Adjourn

### Tuesday, December 12, 1989

8:30 a.m.

Applicability of Laboratory Experiments

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Arend Meijer, Geochemist, Los Alamos National Laboratory

Robert S. Rundberg, Geochemist, Los Alamos National Laboratory

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10:30 a.m.

Break

10:45 a.m.

Overview of Effects of Repository Development

•Laboratory and field evidence: thermohydrological, mechanical, and geochemical effects of repository development (near- and far-field)

Wm. (Bill) E. Glassley, Geochemist, Lawrence Livermore National Laboratory

• Radionuclide behavior at elevated temperatures, colloid behavior

David Hobart, Actinide Chemist, Los Alamos National Laboratory

11:45 a.m.

Adjourn