Full Board Meeting Agenda

Natural and Archaeological Analogues

April 16, 1991

Peppermill Hotel
2707 South Virginia Avenue
Reno, Nevada
(702) 826-2121

8:30 A.M. Welcome & Opening Remarks
Don U. Deere, Chairman of the Nuclear Waste Technical Review Board (NWTRB)

State of Nevada Update

Status Report on Nevada Repository Programs
Bob Loux, Nevada Agency for Nuclear Projects (30 min.)

Possibility of Petroleum Reserves at Yucca Mountain
Peter Hummel, Nevada State Commission on Mineral Resources (45 min.)
Alan Chanberlain, Colorado School of Mines

U.S. Geological Survey (USGS) Update

Status of USGS involvement at Yucca Mountain
Gene Roseboom, USGS (20 min.)

10:30 A.M. (approximately) BREAK

- over -
Natural Analogue Session

Opening Remarks
Ellis D. Verink, Chair, Morning Session
NWTRB

Nevada Test-Site Studies
Larry Ramspott
Lawrence Livermore National Laboratory (LLNL) (30 min.)

Archaeological Analogues/Yucca Mountain
Alternative Perspective
Isaac Winograd, USGS (30 min.)

Nuclear Regulatory Commission (NRC)
Natural Analogues Program Plan
George Birchard, Office of Nuclear Regulatory Research, NRC (30 min.)

Topics:
- Status of Alligator River Project
- Vallez Caldera
- NRC Natural Analogue Workshop - 1991 Summer

12:30 P.M. (approximately) LUNCH

1:15 P.M.
Opening Remarks
Donald Langmuir, Chair, Afternoon Session, NWTRB

Overview and Status of Piña Blanca Project
William Murphy, Center for Nuclear Waste Regulatory Analysis (30 min.)

NRC Staff Perspectives on Analogues
Norman Eisenberg, NRC Office of Nuclear Material Safety and Safeguards (NMSS) (30 min.)

Introduction to the Department of Energy (DOE)
Participation in Natural Analogue Studies
J. Russell Dyer, DOE, Yucca Mountain Project
Office (YMPO) (10 min.)

**Topics:**
- Differing definitions of "natural analogue" for international programs, INTRAVAL, and Yucca Mountain Project (YMP)

**Natural Analogue Advisory Group**
Robert Levich, DOE/YMPO (5 min.)

**International Program**
  [Robert Levich](#), DOE/YMPO

3:00 P.M. (approximately) **BREAK**

**Study Areas:** (40 min.)
- Oklo
- Alligator River
- Cigar Lake
- Poco de Caldas
  [Mike Shea](#), University of Chicago

**Geochemistry & Transport of Naturally Occurring Pu, I, Tc at Natural Analogue Sites**
  [David Curtis](#), Los Alamos National Laboratory (LANL) (30 min.)

**INTRAVAL Perspective**
  [Charles Voss](#), Golder Associates (15 min.)

**Introduction to the YMP Philosophy**
  [J. Russell Dyer](#), DOE/YMPO (15 min.)

**Role of Analogues in the Radionuclide Transport Program**
  [Julie Canepa](#), LANL (20 min.)

**Topics:**
- Processes for which analogues may exist
- Selection criteria for analogues
- Recommended analogues for these processes
- Analogues for which planned studies exist
5:30 P.M. (approximately)  ADJOURN

Other Speakers:

Carl Johnson, State of Nevada
Carl Gertz, YMPO
Paul Cloke, SAIC
Ardyth Simmons, SAIC
Robert Rogers, INEL