



UNITED STATES
NUCLEAR WASTE TECHNICAL REVIEW BOARD
1100 Wilson Boulevard, Suite 910
Arlington, VA 22209

Panel on Risk & Performance Analysis

Meeting Agenda

May 20, 1991

NWTRB Office
1100 Wilson Boulevard
Suite 910
Arlington, Virginia 22209
(703) 235-4473

8:30 A.M.

Welcome and Introduction

D. Warner North, chair, Panel on Risk &
Performance Analysis

8:45 A.M.

**Introduction to Yucca Mountain Project Performance
Assessment (PA) Program**

[Russ Dyer](#), Department of Energy (DOE)

9:00 A.M.

Overview of Performance Assessment

[Russ Dyer](#), DOE

- Regulatory requirements
- What is PA?
- PA participants and tasks

9:20 A.M.

Brief History of Yucca Mountain Project (YMP) PA

[Felton Bingham](#), Sandia National Laboratories
(SNL)

9:40 A.M.

Use of PA in YMP

[Russ Dyer](#), DOE

- Role of PA in YMP

-over-

- Iterative use of PA
- Structure of PA management plans
- Test and Evaluation Plan

10:15 A.M.

BREAK

10:30 A.M.

Examples of PA Support to Decision Making

[Dave Dobson](#), DOE

- Use of PA in task forces (including early site suitability)
- Lessons learned from PA use on tasks

10:50 A.M.

PA Integration with Site Characterization and Design

[Albin Brandstetter](#), Science Applications International Corp. (SAIC)

- Planning and controlling system and long range planning
- FY 1991 and FY 1992 PA activities

11:20 A.M.

Preclosure PA

[Les Jardine](#), Lawrence Livermore National Laboratory (LLNL)

12:00 noon - 1:15 P.M.

LUNCH

1:15 P.M.

PA Model Development

[Felton Bingham](#) SNL

- Model hierarchy and uncertainty

1:45 P.M.

Evolution of PA Capabilities: Overview

[Jerry Boak](#), DOE

2:00 P.M.

PACE 90 Exercise

- Overview and problem definition
[Holly Dockery](#), SNL
- Source term
[William O'Connell](#), LLNL
- Groundwater flow and transport
[Maureen McGraw](#), Pacific Northwest Laboratory

3:15 P.M.

BREAK

3:30 P.M.

Ongoing and Future Activities

- Site suitability
- Disturbed scenarios
- Lessons learned from PACE exercise
[Rally Barnard](#), SNL
- Total system analysis
[Michael Wilson](#), SNL
- Modeling of groundwater travel time
[Paul Kaplan](#), SNL

4:45 P.M.

Summary of YMP PA Program

[Russ Dyer](#), DOE

- Efforts in total system performance including the use of expert judgment

5:00 P.M.

ADJOURN