

**U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**

**PRESENTATION TO
THE NUCLEAR WASTE TECHNICAL REVIEW BOARD**

**SUBJECT: INTRODUCTION TO THE MINED
GEOLOGIC DISPOSAL SYSTEM
PERFORMANCE ASSESSMENT
PROGRAM**

PRESENTER: DR. J. RUSSELL DYER

**PRESENTER'S TITLE
AND ORGANIZATION: CHIEF, TECHNICAL ANALYSIS BRANCH
YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT OFFICE
LAS VEGAS, NEVADA**

**PRESENTER'S
TELEPHONE NUMBER: (702) 794-7586**

ARLINGTON, VIRGINIA

MAY 20-21, 1991

PERFORMANCE ASSESSMENT IN THE MINED GEOLOGIC DISPOSAL SYSTEM PROGRAM

WHAT ?

WHO ?

WHY ?

WHEN ?

HOW ?

WHERE ?

NWTRB RISK & PERFORMANCE ASSESSMENT PANEL MEETING

AGENDA

MONDAY, MAY 20, 1991

- | | | |
|--------------|--|------------------------|
| 8:30 | WELCOME AND INTRODUCTION | NWTRB |
| 8:45 | INTRODUCTION TO THE MINED
GEOLOGIC DISPOSAL SYSTEM
(MGDS) PERFORMANCE
ASSESSMENT (PA) PROGRAM | R. DYER, DOE |
| 9:00 | OVERVIEW OF PA | R. DYER, DOE |
| 9:20 | A BRIEF HISTORY OF PA IN THE
YUCCA MOUNTAIN PROJECT (YMP) | F. BINGHAM, SNL |
| 9:40 | USE OF PA IN THE MGDS:
PROGRAMMATIC ASPECTS | R. DYER, DOE |
| 10:15 | BREAK | |

NWTRB RISK & PERFORMANCE ASSESSMENT PANEL MEETING

AGENDA

MONDAY, MAY 20, 1991

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|--------------|---|------------------------------|
| 10:30 | EXAMPLES OF PA SUPPORT TO
DECISION MAKING | D. DOBSON, DOE |
| 10:50 | PA INTEGRATION WITH SITE
CHARACTERIZATION AND DESIGN | A. BRANDSTETTER, SAIC |
| 11:20 | PRECLOSURE PERFORMANCE
ASSESSMENT | L. JARDINE, LLNL |
| 12:00 | LUNCH | |
| 1:15 | THOUGHTS ON A MODEL
HIERARCHY AND
MODELING UNCERTAINTY | F. BINGHAM, SNL |

NWTRB RISK & PERFORMANCE ASSESSMENT PANEL MEETING

AGENDA

MONDAY, MAY 20, 1991

- 1:45 EVOLUTION OF PA CAPABILITIES: OVERVIEW J. BOAK, DOE
PACE-90 EXERCISE
● PACE-90 OVERVIEW AND PROBLEM DEFINITION H. DOCKERY, SNL
● SOURCE TERM DEVELOPMENT W. O'CONNELL, LLNL
● PACE-90 FLOW AND TRANSPORT RESULTS M. McGRAW, PNL
- 3:15 BREAK
- 3:30 ONGOING & FUTURE PA ACTIVITIES R. BARNARD, SNL
TOTAL-SYSTEM ANALYSIS M. WILSON, SNL
USING A GROUND-WATER TRAVEL TIME MODEL TO IDENTIFY INFORMATION NEEDS FROM SITE CHARACTERIZATION P. KAPLAN, SNL
- 4:45 SUMMARY OF MGDS PA PROGRAM R. DYER, DOE
- 5:00 ADJOURN