August 21, 1989

8:30 - 8:35  Introduction                                      D. Deere, NWTRB
             D. Price, NWTRB

8:35 - 8:50  Opening Remarks                                 R. Stein, DOE/HQ

8:50 - 9:15  Overview of OCRWM Transportation Program        C. Kouts, DOE/HQ

9:15 - 12:15 Cask System Development Program and Related Subjects

9:15 - 9:30  Overview                                        C. Kouts, DOE/HQ
             M. Pellechi, DOE/ID

-GOALS
-Strategic
-Current activities and status

9:30 - 10:00 Cask Regulatory Considerations                  M. Warrant, Sandia

-Regulatory Requirements
-Codes and Standards in Design
-Design Integrity

10:00 - 10:15 Break

10:00 - 10:45 Cask Testing                                  M. Warrant, Sandia

-Design Support Testing
-Prototype Testing
-Confirmatory Demonstrations

10:45 - 11:45 Cask Development                              I. Hall, EG&G

-OCRWM Transportation requirements
-Design
-Optimization
-Certification

11:45 - 12:00 Cask Fabrication                              "

12:00 - 12:15 Cask Carriage Development and Use             "
12:15 - 1:15  Lunch

1:30 - 4:45  TRANSPORTATION OPERATIONAL PLANNING
FOR THE FEDERAL WASTE MANAGEMENT
SYSTEM

1:30 - 1:40  Overview of Operational planning
- Goals and objectives
- Strategy
- Current activities and status

1:40 - 2:00  Systems Engineering Approach &
Transportation Cask Subsystem

2:00 - 2:40  Servicing and Maintenance Subsystem
- Cask Maintenance Facility
Field Operations Subsystem
- Review current shipping
  experience
- Foreign technology
- Human factors
- R & D programs
- Application of experience to
  Operational planning

2:40 - 2:55  Break

2:55 - 3:20  Transportation Modal Mix
- Modal options
- Modal split

3:20 - 3:40  Specialty Services
- Overweight truck
- Dedicated train
- Truck convoy

3:40 - 4:00  Routing
- Regulatory framework
- Analyses/models

(Day 1 continued)
(Day 1 continued)

4:00 - 4:30 Nevada Routing
- Highway
- Rail Access

4:30 - 4:45 Summary and Conclusions
TECHNICAL REVIEW BOARD
TRANSPORTATION PANEL BRIEFING
AGENDA

Albuquerque, New Mexico
August 21-23, 1989
(Day 2)

August 22, 1989

8:30 - 12:00  RISK ASSESSMENT/MANAGEMENT

8:30 - 8:45  Overview of Transportation Risk Assessment
             B. Darrough, DOE/HQ

8:45 - 9:15  Probabilistic Risk Assessment
             S. Neuhauser, Sandia
             - RADTRAN
             - TRANSNET

9:15 - 9:45  RADTRAN Demonstration
             J. Cashwell, Sandia

9:45 - 10:00 Break

10:00 - 10:30 Planned Revisions to RADTRAN for OCR&W Shipments
              R. Rothman, DOE/CH
              - Route-Specific Analysis
              - Quality assurance compliance

10:30 - 10:50 Individual/Actual Risks
              - Incident-free
              - Accident

10:50 - 11:20 Perceived Risk
             B. Darrough, DOE/HQ & R. Hemphill, Argonne
             - Multi-disciplinary studies
             - Different approaches in estimating risk
             - Behavioral consequences of risk perception
             - DOE studies in risk perceptions

11:20 - 11:45 Risk Management
             B. Darrough, DOE/HQ & P. Sutherland, Battelle
             - Application of risk assessment
             - Prevention and mitigation of risks
             - Risk management
             - Principles applied to Transportation Program
(Day 2 continued)

11:45 - 1:00  Lunch

1:00 - 4:30  Tour of Sandia Test Facilities
TECHNICAL REVIEW BOARD
TRANSPORTATION PANEL BRIEFING
AGENDA
Albuquerque, New Mexico
August 21 - 23, 1989
(Day 3)

August 23, 1989

8:30 - 10:30 INSTITUTIONAL ISSUES

8:30 - 9:00 Overview of Institutional Program  C. Kouts, DOE/HQ
- Goals and Objectives
- Strategy
- Current activities and status

9:00 - 9:15 Motor Vehicle Inspection  J. Willis, DOE/CH

9:15 - 9:30 Motor Vehicle Permitting/Overweight Trucks  J. Holm, DOE/CH

9:45 - 10:00 Shipment Monitoring  M. Klimas, DOE/CH

10:00 - 10:30 Emergency Response  C. Kouts, DOE/HQ
- Existing Programs
- Section 180(c) training requirements

10:30 - 10:45 Break

10:45 - 2:00 GENERIC ISSUES AFFECTING OCRWM AND TRANSPORTATION

10:45 - 11:15 System Safety Analysis within the OCRWM Transportation Program  C. Kouts, DOE/HQ
- System safety analysis
- Safety activities

11:15 - 11:45 Human Factors Engineering within the OCRWM Transportation Program
- Human factors engineering
- Human factors engineering activities
(Day 3 continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:45 - 1:00</td>
<td>Lunch</td>
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<tr>
<td>1:00 - 1:30</td>
<td>Issue Identification within the OCRWM Transportation Program J. Roberts, DOE/CH</td>
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<tr>
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<td>- Systems engineering approach</td>
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<td>- Institutional issue identification</td>
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<td>1:30 - 2:00</td>
<td>General Wrap-up Discussion All</td>
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<td>2:00 - 2:15</td>
<td>Break</td>
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<td>2:15 - 4:00</td>
<td>Waste Package Container Corrosion M. Cloninger, DOE/YMPO &amp; D. Stahl, SAIC</td>
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<td>- General overview</td>
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<td>- Corrosion issues</td>
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<td>4:00 - 4:15</td>
<td>Final comments</td>
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