OCRWM Transportation Update and DOE Transportation Protocols

James H. Carlson

Acting Director
Office of Acceptance, Transportation, and Integration
Office of Civilian Radioactive Waste Management
U.S. Department of Energy

NWTRB Panel on the Waste Management System

July 10, 2000
Agenda

• OCRWM Update
  – Organization
  – Program Status/Budget
  – Transportation Program Status/Budget

• DOE Transportation Initiatives
  – Senior Transportation Forum
  – Protocols
  – Transportation External Coordination Working Group
Program Schedule


Yucca Mountain Site Characterization Project

Waste Acceptance, Storage, and Transportation Project

License Application Preparation Process

License Application Review Process

- DOE Submits Site Recommendation to President
- Obtain Construction Authorization from NRC
- Issue NWPA Section 180(c) Notice of Policy and Procedures
- Submit Revised Dry Transfer System Topical Safety Analysis Report to NRC
- Issue Draft RFP for Waste Acceptance and Transportation Services
- Issue Final RFP for Waste Acceptance and Transportation Services
- Start Repository Construction Activities
- Award Initial Phase of Waste Acceptance and Transportation Services Contracts
- Award Second Phase of Waste Acceptance and Transportation Services Contracts
- Award NWPA Section 180(c) planning grants

NWTRB 7/10/00
Transportation Status

- Revised draft request for proposals for the competitive private sector acquisition of waste acceptance and transportation services available on the OCRWM Home Page - September 1998

- Revised Proposed Policy and Procedures for Implementation of Section 180(c) of the Nuclear Waste Policy Act of 1982 available on the OCRWM Home Page - April 1998
Transportation Status

- Further work on the competitive private sector initiative and development of training and technical assistance policy for States and Tribes will be conducted upon Site Approval.

- OCRWM transportation-related activities limited to the YMSCO development of the Environmental Impact Statement, participation in internal DOE transportation-related policy development, transfer of existing canister and cask knowledge to the private sector, and to the extent feasible responding to requirements for coordination.
## FY 2001 Congressional Budget Request

### Yucca Mountain Project

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### Waste Acceptance, Storage, and Transportation
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Senior Executive Transportation Forum

• Established by Secretary Pena in Spring 1998
  – to coordinate the efforts of Departmental elements involved in the transportation of radioactive materials and waste
  – to provide a senior-level forum for resolving transportation issues within DOE

• Participants include Senior DOE Program Managers from All Key Programs with Radioactive Materials Transportation related Activities and Field Representative
  – Shippers: Defense Programs, Environmental Management, Naval Reactors, Office of Science
  – Support or planning to ship: Civilian Radioactive Waste, Materials Disposition, General Counsel, Intergovernmental, Nuclear Energy, Security & Emergency Operations
  – DOT may participate as requested
DOE Transportation Protocols

Focus on developing a set of Transportation Protocols for the purpose of integrating DOE’s radioactive shipping campaigns
Transportation Protocol Initiative

- Addresses external parties' concerns about lack of uniformity in DOE shipping practices

- Reviews and evaluates DOE corporate and programmatic policies and practices for planning and execution of radioactive material shipments

- Strives for uniformity in approach, where appropriate

- Being developed cooperatively by DOE program offices and interested stakeholders in working with DOE to plan shipments of radioactive materials
Shipment Protocols and Practices

- Current practices were reviewed to identify baseline

- DOE is bound by applicable laws and DOT regulations, and in some cases NRC regulations which may lead to different compliance activities

- Protocol differences are due to type of materials shipped and program-specific requirements

- DOE shipments also include national security materials
Protocols Being Developed

- Shipment Pre-Notification
- Projected Shipment Planning Information
- Routing
- Emergency Notification
- Emergency Response
- Transportation Operational Contingencies
- Safe Parking
- Carrier/Driver Requirements
- Tracking
- Inspections
- Recovery & Clean-Up
- Emergency Planning
- Transportation Planning
- Security
Transportation External Coordination Working Group

- American Association of State Highway & Transportation Officials
- American Association of Port Authorities
- American College of Emergency Physicians
- American Nuclear Society
- Association of American Railroads
- Commercial Vehicle Safety Alliance
- Conference of Radiation Control Program Directors, Inc.
- Council of Energy Resource Tribes
- Council of State Governments—Eastern Region Office
- Council of State Governments—Midwestern Office
- Emergency Nurses Association
- FRA State Rail Safety Managers Program
- Hazardous Materials Advisory Council
- International Association of Fire Chiefs
- International Association of Fire Fighters
- International City/County Management Association
- Intertribal Transportation Association
- League of Women Voters Education Fund
- National Association of Counties
- National Association of Regulatory Utility Commissioners
- National Conference of State Legislatures
- National Congress of American Indians
- National Coordinating Council on Emergency Management
- National Emergency Management Agency
- National Governors’ Association
- Nuclear Energy Institute
- Oak Ridge Institute for Science and Education
- Southern States Energy Board
- Transportation Research Board of the National Research Council
- Urban Energy and Transportation Corporation
- Western Governors’ Association
- Western Interstate Energy Board

NWTRB 7/10/00
Protocol Development Status

• 14 Protocols have been released for stakeholder comment. Comments received & being evaluated.

• One protocol is under development and pending release for stakeholder comment.

• Some are being consolidated.

• All Protocols completed in first preliminary draft by June 2000 timeframe.

• Goal is to complete initial stakeholder review of all Protocols by Summer 2000.

• Complete and begin implementation by end of CY 2000.
Summary of Protocol Initiative

• Goal: Address concerns, and evaluate and standardize DOE radioactive material transportation practices, where appropriate

• Product: Protocols used as guidance documents for DOE and contractor personnel in planning and executing radioactive material shipments
  – Serve as a guide to stakeholders in working with DOE to plan for radioactive material shipments

• Result: Continued safe shipments, improved DOE coordination and internal efficiency, improved communication and understanding between DOE and other responsible parties (other federal agencies, and state, tribal and local governments)
OCRWM Transportation Update and DOE Transportation Protocols

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