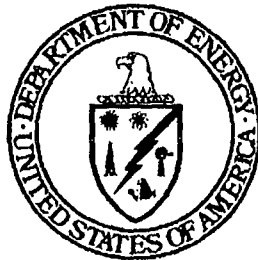


Transportation Institutional Overview

Susan Smith

**Office of Civilian Radioactive Waste Management
U.S. Department of Energy**



**Nuclear Waste Technical Review Board
Denver, Colorado
July 13, 1994**



Need for Institutional Interactions

- **The Secretary is committed to consulting with stakeholders**
- **Interactions:**
 - promote understanding, and build confidence in DOE's capability to ship safely
 - facilitate identification and resolution of technical and institutional issues
 - provide notice and opportunity for review of, and comment on, program policy and documents



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Stakeholder Institutional Network

- **Federal, State, Tribal, and local governments**
- **Electric utilities**
- **Transportation industry**
- **Technical organizations**
- **Special interest groups**
- **General public**
- **Media**



Issues of Interest to Stakeholders

- **Prenotification**
- **Physical protection procedures**
- **Highway routing**
- **Rail and barge routing**
- **Liability coverage**
- **Cask design and testing**
- **Overweight and heavy-haul shipments**
- **Transportation modes**
- **Infrastructure improvements**
- **Transportation operational procedures**
- **State, Tribal, and local authority to regulate**
- **Emergency response**
- **Inspection and enforcement**



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Mechanisms for Involvement

- **Cooperative agreements with national and regional groups**
- **DOE holds and attends national, regional, and technical meetings**
- **External groups review and provide input on policy development**
- **DOE has a public information program**



Cooperative Agreements

- **DOE has \$1.3M in transportation cooperative agreements with seven national and regional groups**
- **Benefits**
 - involve key stakeholders in planning and developing program policies
 - utilize national, State, and Tribal experts to cooperatively resolve issues
- **Each group convenes meetings for their constituents to interact**



Current Cooperative Agreement Groups

- **Commercial Vehicle Safety Alliance (CVSA)**
- **Conference of Radiation Control Program Directors (CRCPD)**
- **Council of State Governments/Midwest (CSG-MW)**
- **National Conference of State Legislatures (NCSL)**
- **National Congress of American Indians (NCAI)**
- **Southern States Energy Board (SSEB)**
- **Western Interstate Energy Board (WIEB)**



Regional, National, and Technical Meetings

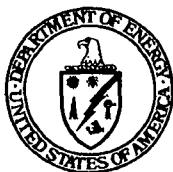
- **Transportation External Coordination Working Group (TEC/WG)**
- **Transportation Coordination Group (TCG)**
- **Cooperative agreement group meetings**
- **National conferences**
- **Transportation exercises and workshops**



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Regional, National, and Technical Meetings (con't)

- **DOE Transportation Institutional Task Force meetings**
- **Hazardous Materials Transportation Uniform Safety Act (HMTUSA) subcommittee**
- **Department of Transportation (DOT)/Federal Railroad Administration (FRA) meetings**
- **Federal Radiological Preparedness Coordinating Committee (FRPCC) subcommittees**
- **Nuclear Waste Technical Review Board (NWTRB)**



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TEC/WG Member Organizations

•State

Commercial Vehicle Safety Alliance
Conference of Radiation Control Program Directors
Cooperative HAZMAT Enforcement Development
Council of State Governments/Eastern Region
Council of State Governments-Midwest
National Conference of State Legislatures
Natl. Conference of State Transportation Specialists
National Emergency Management Association
National Governors' Association
Southern States Energy Board
Western Governors' Association
Western Interstate Energy Board

•Tribal

Council of Energy Resource Tribes
National Congress of American Indians
Columbia Inter-Tribal Fish Commission
American Indian Law Center

•Local

American College of Emergency Physicians
Association of Chiefs of Police
Emergency Nurses Association International
International Association of Fire Chiefs
International Association of Fire Fighters
National Association of Counties
Natl. Association of Emergency Medical Technicians
Natl. Coordinating Council on Emergency Management
National League of Cities
Urban Energy & Transportation Corporation

•Industry

American Trucking Associations
Association of American Railroads
National Association of Regulatory Utility Commissioners
Nuclear Energy Institute
Oak Ridge Institute for Science and Education



External Groups Review and Provide Input on Policy Development

- **Routing strategy for highway, rail, barge, and intermodal shipments**
- **Policy on advance notification to States and Indian tribes**
- **Preliminary Draft Transportation Plan**
- **Implementing Section 180(c) of the NWPA**
- **Design of transportation casks**
- **Need for full-scale cask testing**



Routing Strategy

- **Outlines steps in developing DOE routing guidance**

- **DOE will:**
 - develop “strawman” route selection criteria and methodology
 - request stakeholder involvement
 - *Federal Register*
 - TEC/WG
 - intra-departmental workshop
 - form external modal working groups to write draft route selection criteria and methodology



Routing Strategy (con't)

- **DOE will:**
 - publish draft route selection criteria and methodology for public comment (June 1995 time frame)
- **Issue final guidance to DOE programs, shippers, and carriers**
 - form of guidance has not been decided
 - DOE Order
 - memorandum
 - petition to DOT for rulemaking
- **Implement route selection guidance**



Advance Notification to States and Indian Tribes

- **There are no provisions under NRC regulations to notify tribes**

- **DOE policy provides for notification of tribes**

- **Request to NRC**
 - OCRWM to notify tribes of NWPA shipments
 - use of satellite tracking system (TRANSCOM) for States and Indian tribes



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Preliminary Draft Transportation Plan

- **Overview of the transportation system**
- **Will replace the *Transportation Business Plan* and the *Transportation Institutional Plan***
- **Preliminary draft provided to cooperative agreement groups and attendees at the TCG meeting June 7, 1994, for comment**
- **Provided to the TEC/WG at July 12-14, 1994, meeting**
- **Comments are requested by October 1, 1994**



Implementing Section 180(c) of the NWPA

- **Five-step strategy issued November 1992**
- **TEC/WG formed to provide input on implementation**
- **Work underway to establish a framework for the assistance closer to shipping:**
 - training state inspectors to CVSA standards
 - initiating assistance to FRA on state inspection by rail
 - initiating program for Tribal authority to inspect



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Implementing Section 180(c) of the NWPA (con't)

- **Work underway (con't):**
 - conducting workshops on basic emergency response training for Indian tribes
 - coordinating with other federal emergency response assistance programs
 - funding States through cooperative agreements to monitor assistance needs
 - attending transportation exercises, courses, and meetings



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Design of Transportation Casks

- **Copies of designs provided for review and comment**
- **Presentation given at meetings on status of cask development program**
- **Integration of comments regarding operational and emergency response needs in the design**
- **Resolve full-scale cask testing issue**



Full-Scale Cask Testing

- **Department agreed to OCRWM's seven step process for resolution of the issue:**
 1. Establish internal DOE group to coordinate development of a process
 2. Publish *Federal Register Notice* inviting interested parties to participate in planning process
 3. Contract a national third party to frame the issue; hold public meetings to solicit input



Full-Scale Cask Testing (con't)

- **Seven step process (con't):**

4. Third party drafts plan for how DOE could implement an acceptable full-scale testing program by holding public meetings for input
5. Based on third party plan, DOE would decide whether to conduct full-scale testing
6. Develop schedules if DOE decides to conduct full-scale cask testing
7. Begin testing



Transportation Public Information Program

- **Transportation exhibit program**
- **Fact sheet/brochure development and distribution**
- **Video development and distribution**
- **Cask model development and displays**
- **Service requests for transportation information**
- **Database of interested parties for mass mailings**