

OCRWM Transportation Update and DOE Transportation Protocols



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**NWTRB Panel on the Waste
Management System**

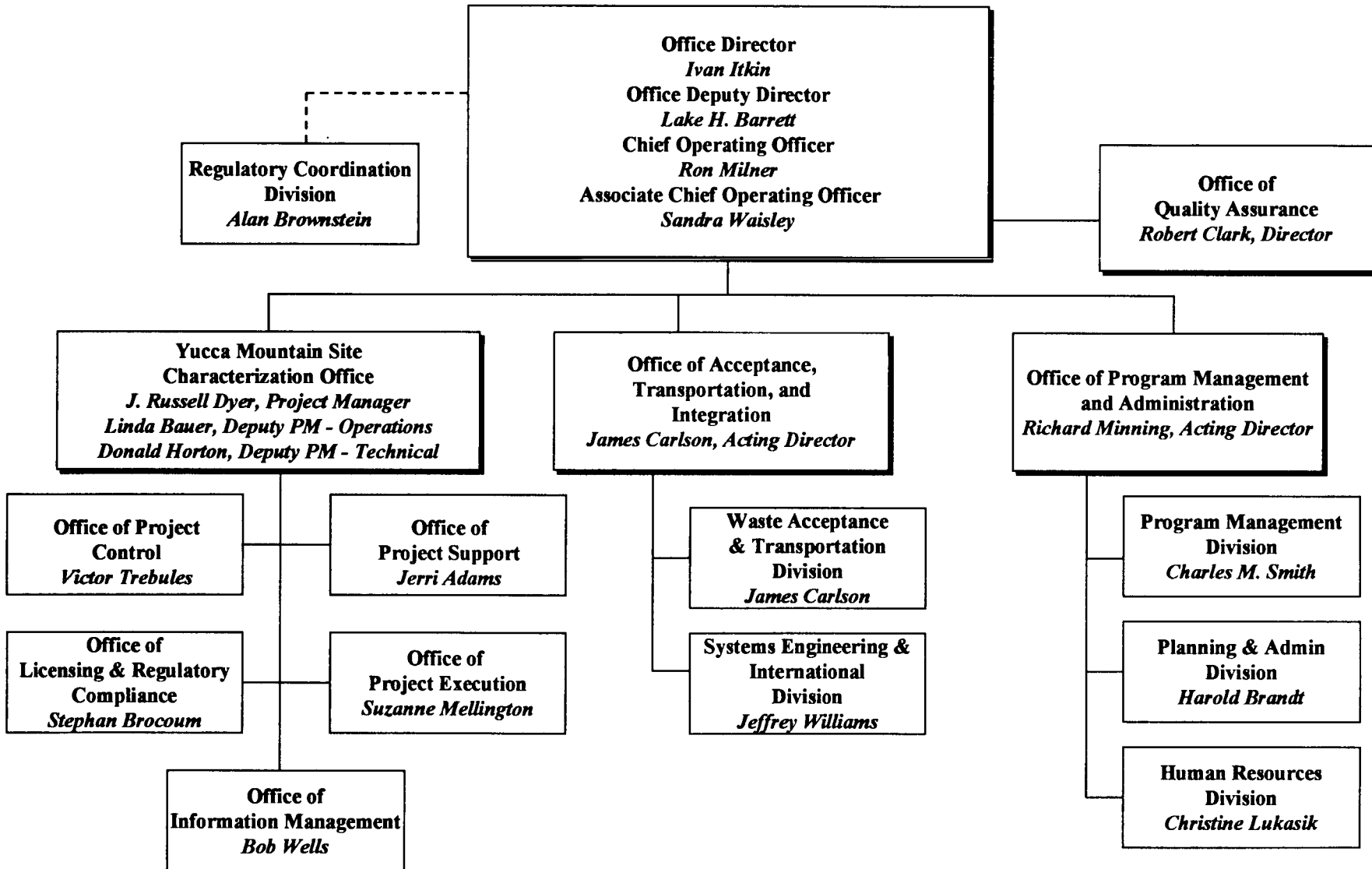
July 10, 2000

Agenda

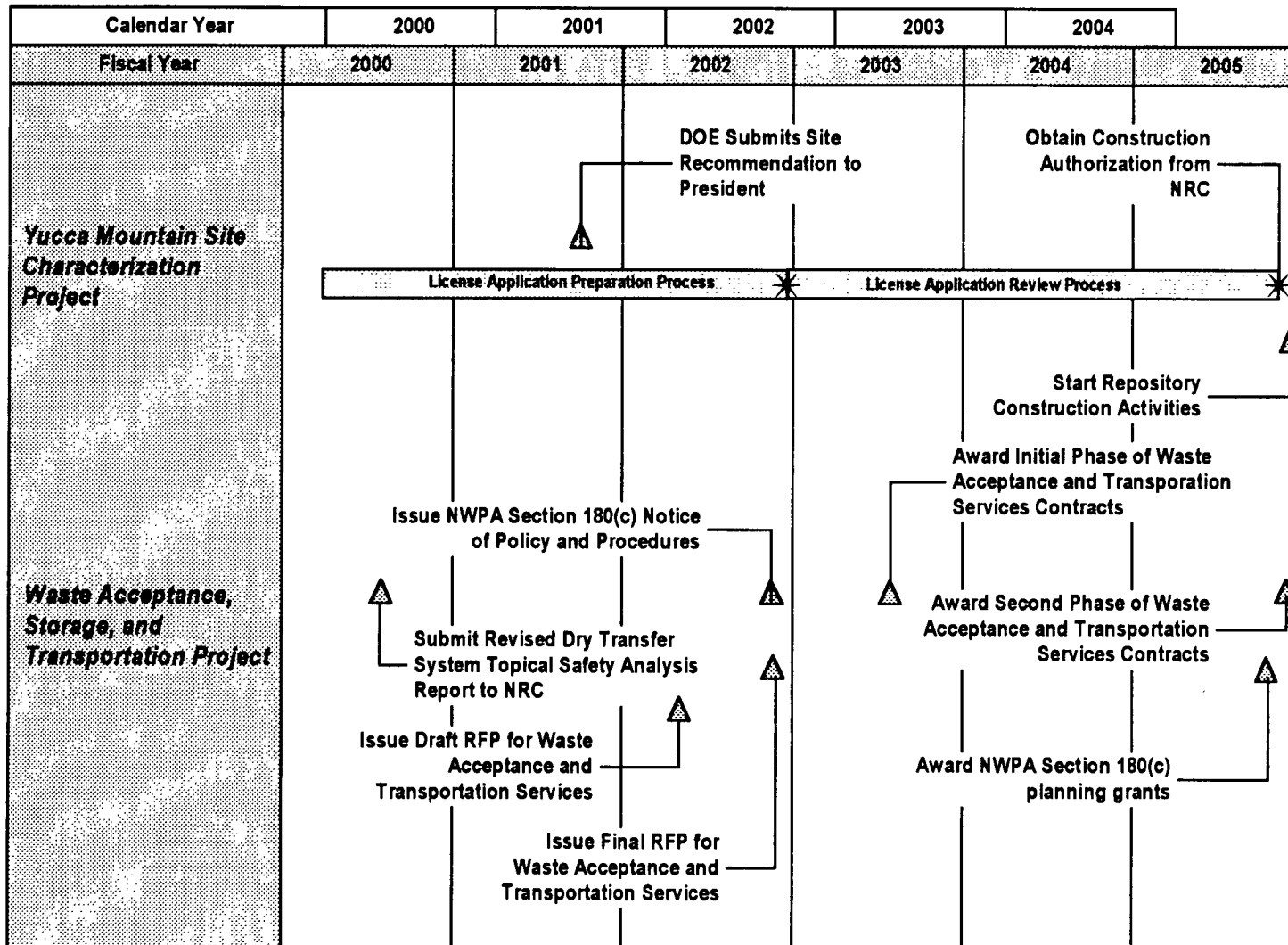
- **OCRWM Update**
 - Organization
 - Program Status/Budget
 - Transportation Program Status/Budget

- **DOE Transportation Initiatives**
 - Senior Transportation Forum
 - Protocols
 - Transportation External Coordination Working Group

Office of Civilian Radioactive Waste Management



Program Schedule



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	Appn. <u>FY 1999</u>	Appn. <u>FY 2000</u>	FY 2001 <u>Request</u>
Core Science	\$ 74.8	\$ 70.6	\$ 69.4
Design and Engineering	\$ 78.4	\$ 66.3	\$ 111.2
Suitability/Licensing/Performance Assessment	\$ 53.1	\$ 61.4	\$ 85.0
National Environmental Policy Act Compliance	\$ 2.0	\$ 1.3	\$ 1.6
Operations/Construction	\$ 34.2	\$ 30.0	\$ 33.0
Project Management	\$ 28.2	\$ 35.2	\$ 36.3
External Oversight/Payment-Equal-To-Taxes	<u>\$ 11.7</u>	<u>\$ 16.4</u>	<u>\$ 21.8</u>
TOTAL YUCCA MOUNTAIN PROJECT	\$282.4	\$281.2	\$358.3
Waste Acceptance, Storage, and Transportation	\$ 1.9	\$ 1.8	\$ 3.8
Program Management and Quality Assurance	\$ 69.7	\$ 68.2	\$ 75.4
Total Program	\$354	\$351.2	\$437.5

FY 2001 Congressional Budget Request

Waste Acceptance, Storage
& Transportation Project \$ 3.8M

	<u>FY 2000 Appn.</u>	<u>FY 2001 Request</u>
Spent Fuel Storage	\$0.0M	\$0.0M
Transportation	\$0.0M	\$1.8M
Waste Acceptance	\$1.3M	\$1.5M
Project Integration	<u>\$0.5M</u>	<u>\$0.5M</u>
Total WAST Project	\$1.8M	\$3.8M

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

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)**

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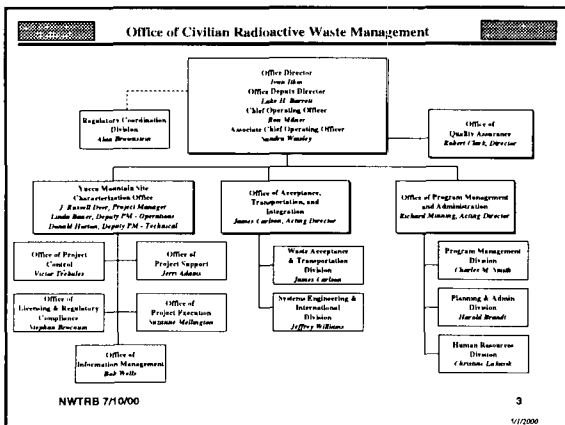
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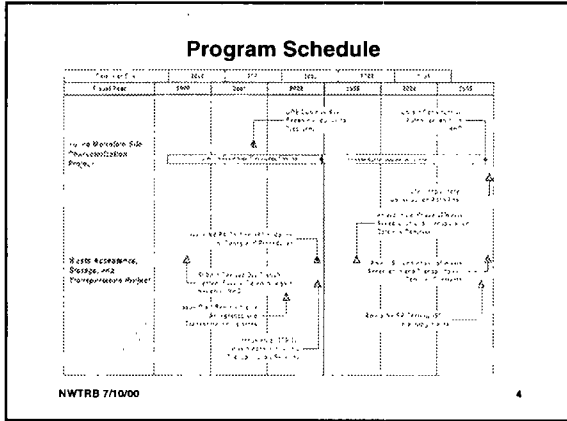
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- Routing
- Emergency Notification
- Emergency Response
- Transportation Operational Contingencies
- Safe Parking
- Carrier/Driver Requirements
- Tracking
- Inspections
- Recovery & Clean-Up
- Emergency Planning
- Transportation Planning
- Security

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Transportation External Coordination Working Group

- Southern States Energy Board
- Western Governors' Association
- Northeastern Council of State Governments
- Midwestern Council of State Governments
- National Congress of American Indians
- Western Interstate Energy Board
- National Association of Counties
- Commercial Vehicle Safety Alliance
- Conference of Radiation Control Program Directors
- National Conference of State Legislators
- National Governors' Association
- National Emergency Management Association
- International Association of Chiefs of Police
- International Association of Fire Chiefs
- International Association of Fire Fighters
- Association of American Railroads
- Prairie Island Indian Community
- Energy Communities Alliance
- Department of Transportation
 - FRA, RSPA, NHTSA
- Transportation Research Board of the National Research Council
- Department of Energy
 - RW, NR, EM, Field Offices

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