OCRWM TRANSPORTATION PROGRAM PROPOSED PROGRAM APPROACH

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Nuclear Waste Technical Review Board

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Agenda

- Objective
- Transportation Program Description
- Transportation Safety
- Proposed Program Approach
- Relationship to Strategic Goals
- Organization
- Program Participants



Transportation Program Objective

To ensure that a safe, environmentally acceptable, and cost effective transportation capability is available and that an institutional environment is in place that will permit predictable operation of the Federal **High-Level Radioactive Waste Management Transportation System in time to support the** start of operation of a Federal receipt facility





Transportation Program Description

Activities include:

- Providing for the design, development, certification, and testing of necessary transportation equipment and services utilizing the private sector to the fullest extent possible
- Identification and resolution of institutional issues
- Providing for the operational aspects of the shipment of spent fuel and high-level waste to storage and/or disposal facilities



Activities (Cont'd):

 Development of analytical processes and transportation information data bases to support overall Program requirements (e.g., environmental assessment and environmental statement support, interface information, cost information, etc.)



Transportation Safety

Public Safety is Ensured through the Package:

- Package Designs:
 - Maintain radiation exposures within regulatory limits during normal and accident conditions of 10 CFR 71
 - Provide for containment of radioactive material under normal and accident conditions of 10 CFR 71
 - Ensure the contents remain subcritical under normal and accident conditions of 10 CFR 71



Transportation Safety (Cont'd)

Safety is further enhanced through:

- Limiting the number of shipments
 - Using new high efficiency casks
 - Utilizing rail shipments when feasible
- Emergency Preparedness NWPA Section 180(c)
- Routing
- Enhanced inspections
- Tractor/trailer development and testing
- Driver qualification



Proposed Program Approach (PPA)

- Key component is the Multi-Purpose
 Canister System
- Transportation of SNF/HLW directly to repository
- Casks/canisters include 75 ton/125 ton rail MPCs and MPC transportation and legal weight truck (LWT) casks



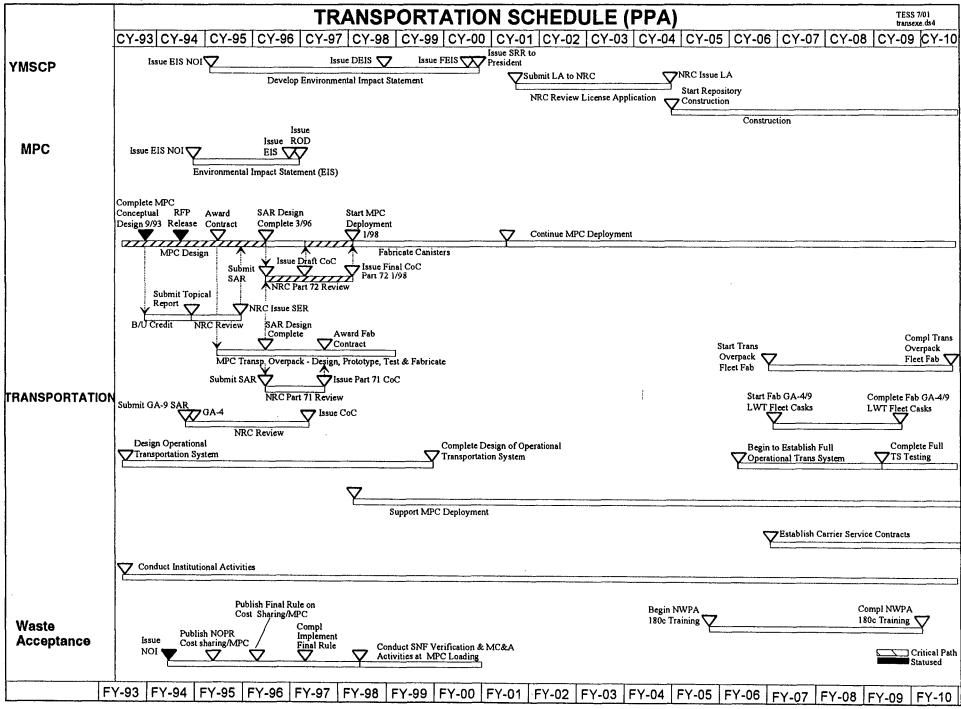
Proposed Program Approach (Cont'd)

- Fleet procurement and service arrangements will be made to support operations schedules
- Routing decisions and emergency response provisions, including Section 180(c), will be finalized sufficiently early for state and tribal planning





Predecisional Draft





OCRWM Strategic Goals

- Goal 1: Lead the collaborative development and implementation of National policy for the disposal of high-level radioactive waste
- Goal 2: Participate actively in key deliberations which affect disposal of Department of Energy nuclear materials
- Goal 3: Strengthen fiscal and Program Management practices
- **Goal 4:** Enhance effective use of human resources



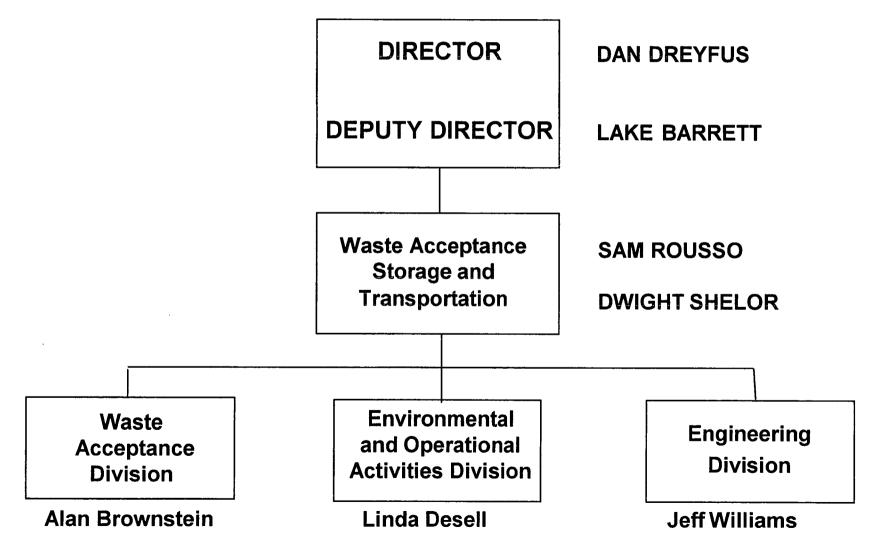
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OCRWM Strategic Goals (Cont'd)

- Goal 5: Resolve the 1998 Waste Acceptance expectation issue
- Goal 6: Provide for interim storage, timely waste acceptance and transportation of spent fuel compatible with disposal
- Goal 7: Determine site suitability for Yucca Mountain
- Goal 8: Provide for timely waste emplacement in a disposal facility



OCRWM Transportation Organization







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Other Funded Participants

