UPDATE ON OCRWM PROPOSED PROGRAM APPROACH

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The Journey

- Envision the Future
- Solicit Feedback
- Manage Strategically
- Revise as Appropriate
- Synch with Multi-year Plans, Program Plans
- Integrate into Management Practices

- Affirm Mission
- Get Ready
- Set Strategic Goals and Objectives
- Identify Strategic Issues
- Develop Strategies
- Analyze the Current Situation

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**DOE Objectives Lead to OCRWM Goals**

3.c. The United States will have a licensed and operating repository as part of a radioactive waste management system for commercial spent fuel and defense high-level waste.

**DOE OBJECTIVES/ENERGY RESOURCES**

We will lead the Nation to the achievement of environmentally sound disposal of high-level radioactive waste, that will serve this and future generations. We will conduct the program in a collaborative manner with integrity, openness, technical excellence and responsiveness to social considerations.

**OCRWM VISION**

Our mission is to manage and dispose of the Nation's spent nuclear fuel and high-level radioactive waste. We will provide leadership in developing and implementing strategies that assure public and worker health and safety, protect the environment, merit public confidence, and are economically viable.

**OCRWM MISSION**

**OCRWM GOALS**
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
Overview of Proposed Program Approach

- Re-structured program consistent with Administration Funding Proposal for FY95 and beyond

- Developed to ensure that:
  - Realities of near-term management of spent fuel are addressed
  - Efficient, rapid progress is made toward determining suitability of Yucca Mountain, and, if suitable, proceeding with EIS and LA
Overview of Proposed Program Approach (Cont’d)

- Technical approach and schedules are realistic and consistent with:
  » increased funding levels
  » expectations of stakeholders

• Requires no changes to NWPA
  - Anticipates new EPA standard specifically for Yucca Mountain
  - May require modification to standard contract
    » MPC as acceptable waste form
Overview of Proposed Program Approach (Cont’d)

- Met with State, Tribal, local governments; industry groups and trade associations; regulatory agencies; professional societies; environmental organizations; and labor organizations

- Culminated in Stakeholder’s meeting May 21, 1994
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Budget Distribution Comparison

FY 1994 vs. FY 1995 ($millions)

$532M*  
$380M*  
Yucca Mountain Site Characterization Project (72%)

(76%)

Storage & Trans. (68%)

QA/Systems/Program Management (24%)

FY 1994

Storage & Trans. (11%)

QA/Systems/Program Management (17%)

FY 1995

*Does not include civilian research and development budget ($0.7 Million)
Key Components

- Initiation of Public dialogue, Notice of Inquiry (NOI) published May 25, 1994
  - Addresses waste acceptance issue
  - Definition of DOE's role in near-term management of spent fuel
  - Responses due September 22, 1994 (120 days)
Key Components (Cont’d)

- Development of Multi-Purpose Canister
- Site characterization activities focused on DOE suitability decision
Major Differences from Previous Approach

- MRS design funding not requested until host site identified
- Addition of MPC development
- Emphasis on activities needed to allow technical site suitability determination of Yucca Mountain in 1998
- Repository designed to permit waste retrieval for up to 100 years
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Key Program Milestones

- Begin underground exploration 1994
- Begin dialog to resolve waste acceptance/interim storage issue 1994
- Begin NEPA Process 1994
  - MPC 1994
  - Repository 1995
- Complete MPC design 1996
Key Program Milestones (Cont’d)

- MPC certification for Storage and Transportation 1997
- Determine Yucca Mountain Technical Site Suitability 1998
- First MPC’s available to utilities 1998
- Submit YM Site Recommendation Report (if site is found suitable) 2000
Key Program Milestones (Cont’d)

- Submit repository License Application (if site recommendation is approved)
  - 2001
- Begin repository operations
  - 2010
Multi-Purpose Canister

- Provides standardization and flexibility
- Reduced bare fuel assembly handlings
- Compatibility with storage at reactor sites or Federal facility
- Plan to have available to utilities in 1998
- DOE title transfer upon removal from utility sites
Transportation

- Development of MPC transportation casks
- Continue development of high-capacity legal weight truck casks (GA-4/9)
- Continue, through iterative public process, development of strategy for transportation issues
Repository Site Characterization and Site Recommendation

- Initial focus of activities to support technical site suitability determination
- If site is found suitable and approved by Congress, then proceed incrementally through license application and closure
- Provide compliance with NEPA regulations
- Design to permit retrieval for up to 100 years
Conclusions

- OCRWM is developing a Proposed Program Approach which is consistent with the Administration Funding Proposal.

- The Proposed Program Approach addresses the key issues which OCRWM currently faces.
Conclusions (Cont’d)

- Stakeholder involvement has been and will continue to be sought as the Proposed Program Approach evolves

- OCRWM is positioning to execute the Proposed Program Approach