

COMMISSION MEETING SLIDES/EXHIBITS

**BRIEFING ON THE STATUS OF
NUCLEAR WASTE SAFETY**

TUESDAY, JANUARY 30, 2001

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NUCLEAR WASTE SAFETY ARENA

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FY 2000 Achievements

- **Met all strategic goal measures**
- **Met all performance goal measures**
- **Met 7 out of 10 output measures**
- **Continue integrated office and Region support**

Key Challenges

- **Risk informing activities**
- **Stakeholder confidence**
- **Maintain highly competent staff**
- **Interface with other agencies**

NMSS Output measures

- **Met 6 output measures**
- **Did not meet 3 output measures**
 - **Did not publish final Part 63**
 - **Did not publish draft Yucca Mountain Review Plan**
 - **Completed 96 transport container design reviews (original target 125)**

Detailed Assessments

- **Rebaselining of the Materials Decommissioning Program**
- **Decommissioning appropriations funding analysis**

Detailed Assessments (cont.)

- **Consolidation and update of NMSS decommissioning policy & guidance**
- **Risk Task Group case studies**

Other Related Initiatives

- **Communication**
- **Empowerment**
- **Rulemaking for certificates of compliance**

Regional Activities

Diverse & Evolving Inspection Program

- **Permanently shut down reactors**
- **Decommissioning**
- **Independent spent fuel storage installations (ISFSIs)**
- **Uranium recovery**

Regional Activities

Diverse & Evolving Inspection Program (cont'd)

- **Formerly licensed sites**
- **High-level waste**
- **Low-level waste**
- **Transportation**

Regional Successes

- **Decommissioning**
 - **Reactors**
 - **Fuel Cycle**
 - **Materials**
- **Waste Management**
 - **Low Level**
 - **High Level**

RES Output Measure

- **Exceeded output measure**
 - **Treatment of parameter uncertainty**
 - **Probabilistic version of RESRAD**
 - **Characterization of mineral slags**
 - **Recommendations on entombment**

Research Supporting Activities

- **Technical basis for release of solid materials**
- **Dry cask storage**
- **Burnup credit**
- **Decommissioning models**

Program Evolution

- **Risk-informed, performance-based activities**
- **Transition to HLW licensing from prelicensing**
- **Integrate PBPM feedback**

Key Challenges - FY 2001

- **Licensing casework**
- **Environmental and technical standards development**
- **Rule development and implementation**
- **Emerging issues**

Key Challenges - FY 2001 (cont'd)

- **Licensing Support Network - HLW**
- **Implementing diverse and evolving inspection program**
- **Hiring and retention**
- **Expand cooperative research**

Summary

- **Met Strategic Goal measures**
- **Met Performance Goal measures**
- **Met 7 of 10 output measures**
- **Using PBPM process to emphasize outcomes**
- **Addressing key challenges**