

**COMMISSION MEETING SLIDES/EXHIBITS**

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

**TUESDAY, JANUARY 30, 2001**

REC'D BY SEA

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# **NUCLEAR WASTE SAFETY ARENA**

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# **FY 2000 Achievements**

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- **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**

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

# **NMSS Output measures**

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- **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**

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

# **Detailed Assessments (cont.)**

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

# **Other Related Initiatives**

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



# **Regional Activities**

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## **Diverse & Evolving Inspection Program**

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

# **Regional Activities**

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## **Diverse & Evolving Inspection Program (cont'd)**

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

# **Regional Successes**

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

# **RES Output Measure**

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

# **Research Supporting Activities**

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

# **Program Evolution**

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

# **Key Challenges - FY 2001**

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

# **Key Challenges - FY 2001 (cont'd)**

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



# Summary

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