



# **Briefing on NMSS Programs, Performance, and Plans – Waste Safety**

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# **Agenda**

- **Major Program Accomplishments**
- **Overview**
- **Planning for Success – Using the Organizational Capacity Model**
- **Achieving Success**
  - **High-Level Waste Repository**
  - **Decommissioning/Low-Level Waste**
  - **Spent Fuel Storage/Transportation**
- **Summary**

# **Major Program Accomplishments**

## **High-Level Waste Repository**

- **Proposed Revisions to Part 63,  
Consistent with Environmental  
Protection Agency's Proposed  
Standard**
- **Continued to Resolve Issues –  
Department of Energy**

# **Major Program Accomplishments**

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## **High-Level Waste Repository**

- Key Technical Issue Agreements**
- Surface and Subsurface Design**
- Issued an Integrated Issue Resolution Status Report**
- Completed License Review Project Plan**

# **Major Program Accomplishments**

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## **Decommissioning & Low-Level Waste**

- **Completed 14 High Priority Decommissioning Actions**
- **Initiated National Defense Authorization Act of 2005 Activities**

# **Major Program Accomplishments**

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## **Decommissioning & Low-Level Waste**

- **Managed Four (4) Complex Environmental Impact Statements**
- **Conducted Lessons Learned Public Workshop**

# **Major Program Accomplishments**

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## **Spent Fuel Storage & Transportation**

- **Completed Independent Spent Fuel Storage Installation Licensing Actions**
- **Completed Security Assessments**
  - **Provided Summary Reports to the Commission**

# **Major Program Accomplishments**

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## **Spent Fuel Storage & Transportation**

- **Conducted Licensing Process Workshop**
- **Achieved a Successful Office of Management and Budget Performance Assessment Rating Tool Review**



# **Overview**

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- **NMSS Faces Many Potential Challenges**
- **Preparing for a Specific Scenario May Not Lead to Success**
- **Building Organizational Capacity to Achieve Success for this Range of Challenges**

# **Future Challenges**

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- **New Legislation**
- **Uncertain Timing or Availability of Disposal Capacity**
- **Evolving National Spent Fuel Management Policy**
- **Licensee Desire for Flexibility**
- **Resources**

# **Planning for Success**

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- **Organizational Capacity Model**
  - **Aspirations**
  - **Strategy**
  - **Organizational Skills**
  - **Human Resources**
  - **Systems and Infrastructure**
  - **Organizational Structure**
  - **Culture**

# **Future Challenges**

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## **High-Level Waste Repository**

- **Timely Input to Changing Department of Energy Program**
- **Preparing for Licensing in Uncertain Environment**
- **Evolving National Spent Fuel Management Policy**

# **Planning for Success**

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## **High-Level Waste Repository**

- **Aim at Statutory Responsibilities**
- **Balance Staff Continuity and Adaptability**
- **Provide Center Maximum Flexibility**

# **Planning for Success**

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## **High-Level Waste Repository**

- **Complete Infrastructure**
- **Assure Program Integration**
- **Foster Teamwork and Communication**

# **Future Challenges**

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## **Decommissioning & Low-Level Waste**

- **Changing Decommissioning Workload**
- **Uncertainties in Low-Level Waste Disposal Capacity**
- **Increasing Consultations with DOE**
- **Competing Priorities for Environmental Reviews**

# **Planning for Success**

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## **Decommissioning & Low-Level Waste**

- **Enhance Cooperation/Risk Inform/Listen**
- **Cross Train Skills/Preserve Knowledge**
- **Prioritize and Stage Work**



# **Planning for Success**

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## **Decommissioning & Low-Level Waste**

- **Maximize Use of Technology and Analytical Tools**
- **Accommodate Emerging Needs**

# **Future Challenges**

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## **Spent Fuel Storage & Transportation**

- **Increasing Complexity of Casework**
- **High Stakeholder Interest**
- **Transport, Aging, Disposal Canister System**
- **Uncertainties in National Approach to Spent Fuel Management**

# **Planning for Success**

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## **Spent Fuel Storage & Transportation**

- **Innovative Approaches**
- **Develop and Maintain Staff Expertise**
- **Enhance Regulatory Framework**
- **Integrate Review of Transport, Aging, Disposal Canister System**

# Summary

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- **Organizational Capacity is Key**
- **Cross Cutting Issues**
- **Need to Invest for Future Success**