



**Briefing on NMSS
Programs, Performance,
and Plans -
Materials Safety**

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Agenda

- **Major Program Accomplishments**
- **Overview**
- **Planning for Success – Using the Organizational Capacity Model**
- **Achieving Success**
 - **Fuel Cycle Facilities**
 - **Nuclear Materials Users**
 - **Management Excellence**
- **Summary**

Major Program Accomplishments

Fuel Cycle Facilities

- **Completed Security Assessments**
- **Issued Construction Authorization for the Mixed Oxide Fuel Fabrication Facility and provided assistance to the Russian Federation**
- **Issued Safety Evaluation Report for the Louisiana Energy Services uranium enrichment facility**

Major Program Accomplishments

Fuel Cycle Facilities (continued)

- **Issued a new Part 40 source material license to International Isotopes, Inc.**
- **Terminated Part 40 source material license for Shirley Basin South Uranium Mill Tailings Site**

Major Program Accomplishments

Nuclear Materials Users

- **Developing National Source Tracking System**
 - **Published proposed rule**
 - **Contract Awarded**
- **Issued Security Orders**
- **Completed amendments to 10 CFR Part 35**

Major Program Accomplishments

Management Excellence

- **Improved NMSS Processes**
 - **Resource Management**
 - **Contract Funds Management**
- **Agency Initiatives**
 - **Budget Process Recommendations**
 - **Operating Plan Working Group**

Overview

- **NMSS faces many challenges from many different directions**
- **Focusing on only one of these challenges will not lead to success**
- **Building organizational capacity to achieve success in addressing the many challenges**

Future Challenges

- **Challenges Come From Many Areas:**
 - **Industry Performance**
 - **Industry Initiatives**
 - **New Legislation**
 - **Changing Technologies**
 - **Security**
 - **Budget Challenges**

Planning for Success

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

Future Challenges

Fuel Cycle Facilities

- **Reprocessing/Recycling Technologies**
- **Advanced Enrichment Technologies**
- **Mixed oxide Fuel Fabrication**
- **Growth in the uranium mining**
- **New facilities inspection**

Planning for Success

Fuel Cycle Facilities

- **Risk Inform Process**
- **Develop/Maintain Expertise**
- **Increase Resources**
- **Develop New Regulations and Guidance**
- **Increase Staff Flexibility**

Future Challenges

Nuclear Materials Users

- **Implement Energy Policy Act of 2005**
- **Control of radioactive sources**
- **Increased NRC and Agreement State Collaboration**

Future Challenges

Nuclear Materials Users (cont.)

- **Increased/decreased use of materials**
- **Active interest in revising international radiation protection standards**

Planning for Success

Nuclear Materials Users

- **Continue to engage stakeholders**
- **Maintain / Enhance staff expertise**
- **Strengthen regulatory infrastructure**
- **Consider organizational structure and associated fee implications**

Future Challenges

Program Management

- **Changing, growing programs**
- **Cross-cutting processes for diverse programs**
- **Evolution into automated solutions**

Planning for Success

Program Management

- **Effective program support**
- **Workforce management**
- **Process improvement and automation**
- **Inter-functional coordination**
- **NMSS as change agent**

Summary

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