NRC Perspectives: Progress and Future Outlook

John Lubinski, Director,
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Spent Fuel Management Seminar
Institute of Nuclear Materials Management
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Overview

- Who we are and what we do
- Our view of the State of Spent Fuel Management
- Turning Words into Actions
- Transforming Spent Fuel Licensing and Inspection
- Looking forward
Who we are and what we do

Division of Fuel Management

Andrea Kock, Director
Christopher Regan, Deputy

- Nuclear Analysis and Risk Assessment
- Containment, Thermal, Chemical, and Fire Protection
- Materials and Structural
- Storage and Transportation Licensing
- Inspection and Oversight
- Fuel Facility Licensing
- Material Control and Accounting

Travis Tate, Chief
Yoira Diaz-Sanabria, Chief
Meraj Rahimi, Chief
Dan Doyle, Acting Chief
Alayna Pearson, Acting Chief
Jacob Zimmerman, Chief
James Rubenstone, Chief
Our View of the State of Spent Fuel Management

- New business models for decommissioning
- Consolidated Interim Storage
- Preparation for transportation of spent fuel
- Changes in technology (ATF, advanced fuels)
- Knowledge Management
- Strategic Workforce Planning
  - Criticality, Shielding
Turning Words into Actions

- Embracing Risk Informed Regulatory Approaches
- Updating Guidance
- Preparing for New Technologies
- Preparing for Spent Fuel Transportation
- Reviewing CISF applications
Transforming Spent Fuel Licensing

Risk Inform Initiatives

– Graded Approach
  • Endorsement Letter
– Endorsement of NEI 12-04
  • NRC acceptability of early implementation
  • NRC Workshops
Transforming Spent Fuel Inspection

- ISFSI Oversight Program Enhancements Initiatives
  - Internal review of evaluation and recommendations
  - Consideration and assessment of feedback received
  - Implementation in Fiscal Year 2021
How you can help?

• Frequent and early communication
• Clear prioritization of applications
• High quality applications
• Active engagement on initiatives
• Focus on public openness and communications
Looking Forward

• Maintaining Spent Fuel Safety through a risk-informed regulatory process.

• We are prepared to evaluate license applications for new technologies

• Continued proactive engagement with stakeholders
Thank You!