NRC Spent Fuel Management Perspectives

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INMM Spent Fuel Seminar 2016
January 11, 2016
Overview

• Spent Fuel Environment
• External Factors
• Potential Interim Consolidated Storage Facility Applications
• FY15 Accomplishments and FY16 Plans
• Coordination with DOE
• Project AIM
• FY16 Budget
• Summary
Spent Fuel Environment

• DOE Used Fuel Strategy

• Longer storage periods

• Potential scenario:
  – storage-transportation-storage, then
  – transportation-disposal
External Factors

- Applications for interim consolidated storage facilities (ICSF) in FY16
- ICSF Topical Safety Analysis Report from DOE
- Potential legislative actions
- Transportation package applications associated with an ICSF
Two potential applications for Interim Consolidated Storage Facilities
- Waste Control Specialists in Texas
- Holtec International and Eddy Lea Energy Alliance in New Mexico
  - Engaged in pre-application and public meetings
  - Anticipate application submittals in April and June 2016

Duration of review depends on quality of applications and no contentions
FY15 Accomplishments

• Calvert Cliffs ISFSI Renewal
• Safety review for the Prairie Island ISFSI Renewal
• VSC-24 renewal technical review
• Draft NUREG-1927, Rev 1
• ORNL HBF Test Phase 1
• Yucca Mountain SER
• Harmonized Part 71 with IAEA SSR-6
FY16 Plans

• Continue development of risk-informing regulatory framework
  – Finalize Summer 2016 and define pilot
• ORNL High Burnup Fuel Tests - Phase 2
• Complete the supplement to the DOE’s Yucca Mountain Environmental Impact Statement
Coordination with DOE

• Regular coordination meetings
  – Technical topics
  – Research and development activities

• Possible NRC independent regulatory support for DOE consent-based siting initiative
Project AIM

• Purpose
  – Address the changing environment and workload
  – Identify work activities necessary to accomplish the mission
  – Implement process efficiencies
Project AIM Next Steps

• Near term deliverables
  – Re-baselining assessment
  – Strategic workforce plan

• Evaluation of consolidating the materials program

• Evaluation of consolidating regional corporate support functions
FY16 Budget

• Supports resources needed to meet safety and security mission
• Additional transparency to the agency’s budget execution process
• Implementing Project AIM initiatives in a timely, high quality manner
Summary

• Our first priority is the safety and security of spent fuel
• We are committed to being an effective and efficient regulator with a stable and predictable regulatory framework
• It is a priority to communicate to our stakeholders and the public who we are, what we do, and how we do it
• We continue to seek stakeholder interactions and provide opportunities for feedback