



NRC Management Perspective: Progress and Future Outlook

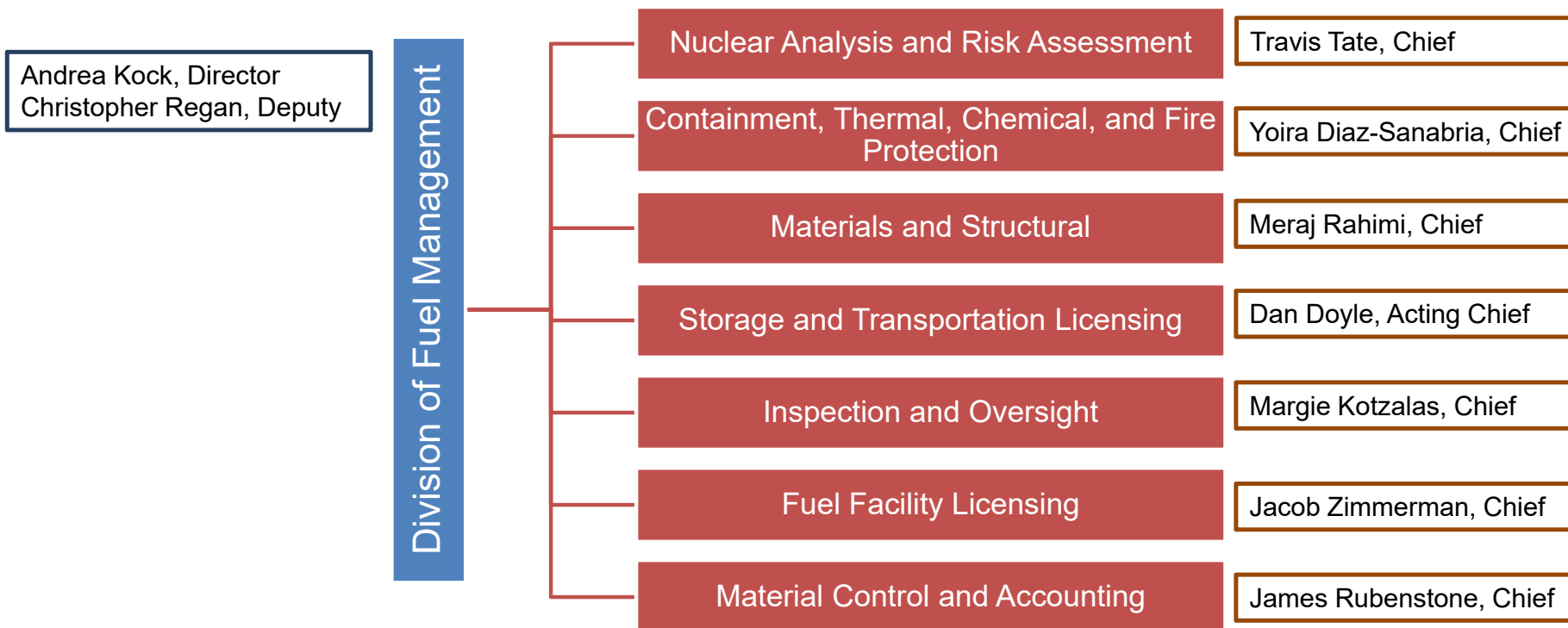
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U.S. Nuclear Regulatory Commission
Extended Storage Collaboration Program Spring Meeting
November 2019

Overview

- New DFM Organization
- State of Spent Fuel Regulation
- Spent Fuel Futures Assessment
- Updates on
 - Consolidated Interim Storage Facilities (CISF)
 - Facilitating Long Term Storage
 - 10 CFR 72.48 Collaborative Effort
- Other Current Initiatives and Activities
- Looking Forward



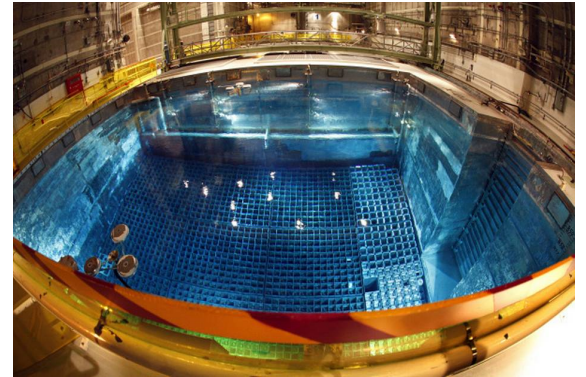
DFM Organization



State of Spent Fuel Regulation

External Drivers for our Work

- Decommissioning business models
- Consolidated Interim Storage
- Shorter cooling periods in pools
- Longer storage periods
- Changes in direction (ATF + 6% enrichment)
- Continued uncertainty with the national spent fuel strategy
- New requirements from NEIMA

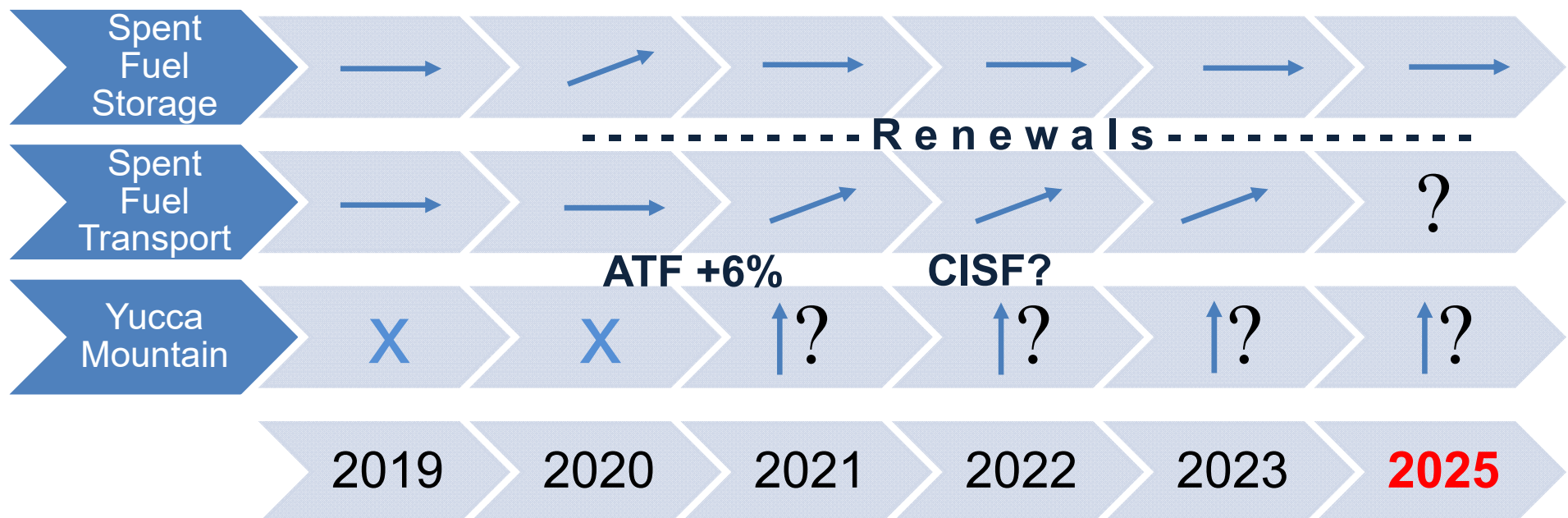


State of Spent Fuel Regulation

Internal Drivers for our Work

- Identifying Opportunities for Transformation
- Risk-Informing Review Processes
- Consolidating and Updating Guidance
- Transportation Coordination and Oversight Readiness
- Fuel Cycle and Spent Fuel Integration/Merger
- Dispositioning low safety significance compliance issues

Spent Fuel Futures Assessment



CISF - Application Status

- Interim Storage Partners (ISP) in Texas
 - June 2018 – ISP requested restart of application review
 - August 2018 - Staff resumed the safety and environmental reviews
 - ISP Hearing: One contention was admitted in part and another one was resubmitted.
- Holtec International & Eddy Lea Energy Alliance in New Mexico
 - February 2018 - Staff accepted application for docketing, began detailed review
 - April, May 2018 - Staff held 6 environmental scoping meetings in New Mexico and Maryland
 - Holtec Hearing - All hearing petitions were denied and appealed. Board's decision to the Commission. The Commission's decision on the appeals is pending.
 - EIS Cooperating Agency Request
- Quality and timeliness of RAI responses greatly influences the review schedule

Facilitating Long Term Storage

- NUREG-2214, Managing Aging Processes in Storage (MAPS) Report was issued on August 8, 2019.
- Completed all inspections under Temporary Instruction 2690/011, “Review of Aging Management Programs at Independent Spent Fuel Storage Installations” – September 2019
- Regular use of pre-application meetings
- Continuing to see high-quality of applications



10 CFR 72.48 Collaborative Effort



- NRC is following the regulatory guide process for endorsement of NEI 12-04.
 - NRC completed the technical basis document for change in practice on implementing MOE for 10 CFR 72.48 guidance.
 - NRC is assessing options for communicating acceptability of early implementation of NEI 12-04 guidance prior to final endorsement.
- NRC updated internal guidance for inspection on the 10 CFR 72.48 process and implemented training sessions to Headquarters and Region staff.

Other Current Initiatives & Activities

- Integration and Merger Activities
- Implementation of Lessons Learned of the Graded Approach Pilot
- Standard Review Plan consolidation for storage and transportation
- Reviewing lessons learned from Transportation Table Top Exercises
- Supporting Accident Tolerant Fuel Agency Activities
- ISFSI Oversight Program Enhancements Initiatives



Looking Forward

- Maintaining Spent Fuel Safety through a risk-informed regulatory process.
- Expecting NEI's White Paper on defining the safety margin in spent fuel management
- Continuing to engage with industry (EPRI) initiatives to address technical issues
- Standing by to support the Yucca Mountain licensing proceedings, as funding is approved.
- Assessing our licensing processes



