

Integrating Spent Nuclear Fuel Regulatory Activities

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August 2010



Outline

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Background

- **The future of Yucca Mountain as the U.S. solution for disposal of HLW remains uncertain**
- **Energy Secretary Chu established the Blue Ribbon Commission (BRC) on America's Nuclear Future in January 2010**
- **NRC's mission continues to protect public health and safety and the environment and promote the common defense and security**
- **NRC is pursuing an integrated approach to regulating the back-end of the fuel cycle**



Why Integrate?

- **NRC has safely and effectively regulated spent fuel for the past 35 years in a relatively stable environment**
- **Integration ensures consistent treatment and consideration of related areas or components**
- **Encourages stakeholder engagement and long-term/life cycle solutions**
- **Accommodates a dynamic environment**



Why Integrate (cont.)?

- **Facilitates more systematic analysis of issues and resolution according to their priorities and risk significance**
- **Leverages technical interdependencies in accomplishing NRC's mission in an effective and efficient manner**
- **Provides an organized approach for sharing information and perspectives on interrelated activities with diverse stakeholders**



Stakeholder Involvement?

- **Actively seeking input from stakeholders during planning and implementation of the plan**
- **Providing opportunities to engage openly and collaboratively in resolving issues**
- **Developing web-based tools to more effectively interact with interested stakeholders**



Current Status?

- **NRC's Plan for Integrating Spent Nuclear Fuel Regulatory Activities was made publicly available June 23, 2010**
 - **Project Plan for the Regulatory Program Review to Support Extended Storage and Transportation of Spent Nuclear Fuel was made publicly available June 18, 2010**
 - **Reprocessing Regulatory Framework Status and Schedule Provided to the Commission May 2010**



Current Activities?

- **Evaluating technical and regulatory requirements to support very long-term dry storage of spent fuel**
- **Developing a regulatory basis to support rulemaking for reprocessing**
- **Commencing preparations for assessing regulatory impacts of alternative disposal options**
- **Enhancing cooperation with international counterparts**



Summary

- **NRC's integrated strategy**
 - **Maintains focus on safety and security as national strategy evolves**
 - **Engages stakeholders**
 - **Leverages limited resources**
 - **Enhances ability to adapt to changes in the nuclear fuel cycle**
 - **Preserves knowledge and assets**



NRC Steering Committee Contacts

**Marissa Bailey, Deputy Director
Fuel Cycle Safety and Safeguards**

**Ray Lorson, Deputy Director
Spent Fuel Storage and Transportation**

**Jack Davis, Deputy Director
High Level Waste Repository Safety**



Working Group Contacts

Role	Name
Lead Project Manager	Tom Matula
Technical Lead, Storage & Transportation	Bob Einziger
Technical Lead, Reprocessing	Yawar Faraz
Technical Lead, Waste Policy & Disposal	Keith Compton
Senior Advisors	Britt Hill Tim McCartin
Communications and Outreach	Earl Easton Janet Kotra Jose Cuadrado