

# ***Integrating Spent Nuclear Fuel Regulatory Activities***

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# **Outline**

- **Background**
- **Why Integrate?**
- **Stakeholder Involvement?**
- **Current Status?**
- **Current Activities?**
- **Summary**
- **Steering Committee/Working Group Contacts**



# **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

<b>Role</b>	<b>Name</b>
<b>Lead Project Manager</b>	<b>Tom Matula</b>
<b>Technical Lead, Storage &amp; Transportation</b>	<b>Bob Einziger</b>
<b>Technical Lead, Reprocessing</b>	<b>Yawar Faraz</b>
<b>Technical Lead, Waste Policy &amp; Disposal</b>	<b>Keith Compton</b>
<b>Senior Advisors</b>	<b>Britt Hill Tim McCartin</b>
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