

Used Nuclear Fuel and HLW National and International Perspectives

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Waste Management Symposium

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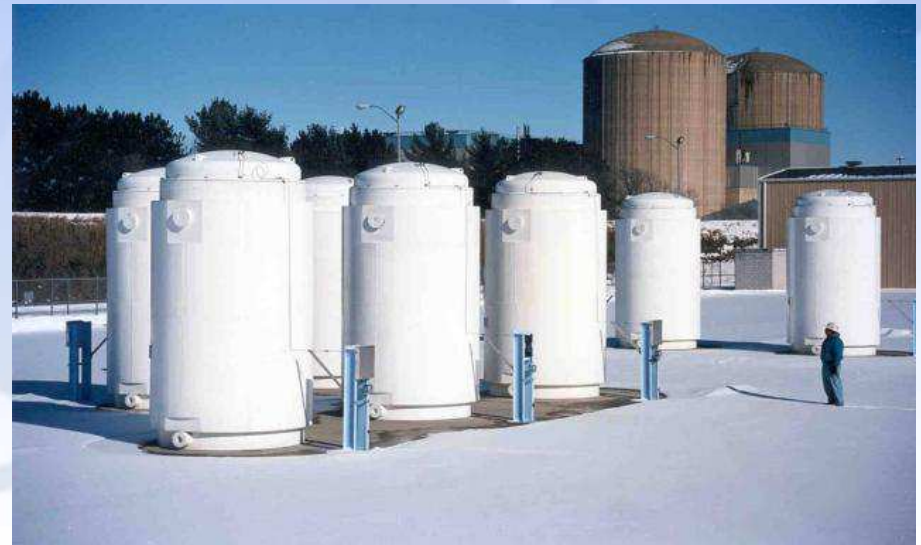


Regulation in a Changing World

- As U.S. policy evolves, NRC's mission remains the same: ensure the safe and secure use of radioactive materials while protecting people and the environment
- Successful management of spent fuel and HLW requires independent regulation and system-level understanding



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Protecting People and the Environment



Spent Fuel Storage and Transportation

- **Technical basis for extended storage and transportation**
 - Degradation processes
 - Predictive models
 - Monitoring and inspection
- **Focused research to understand impacts**
- **Coordinate knowledge with industry and other stakeholders**
- **Revise regulatory framework as needed**



Draft Report for Comment

Identification and Prioritization of the Technical Information Needs Affecting Potential Regulation of Extended Storage and Transportation of Spent Nuclear Fuel

May 2012



Ultimate Disposal

- **Provide clear regulatory and technical basis for a risk-informed, performance-based framework for repository licensing**
- **Maintain and enhance staff expertise**
 - **Technical knowledge**
 - **Performance assessment capability**
- **Continue public awareness of the NRC role and interact with stakeholders openly and credibly throughout the process**
- **Leverage international experience**



International Engagement

- **NEA**
 - **Radioactive Waste Management Council**
 - **Forum on Stakeholder Confidence**
- **IAEA**
 - **Consultancies and Cooperative Research Programs on storage, transportation, disposal**
- **Technical collaborations**
 - **DECOVALEX-2015**
- **Bilateral interactions**



Waste Confidence

Milestone Schedule

Environmental Impact Statement (EIS) Scoping Period

October 25, 2012 – January 2, 2013

Publish Scoping Summary Report

March 2013

**Draft EIS, Draft Waste Confidence Decision,
and Proposed Waste Confidence Rule**

September 2013

Public Comment Period

September – November 2013

**Final EIS, Final Waste Confidence Decision, and Final
Waste Confidence Rule**

August 2014

<http://www.nrc.gov/waste/spent-fuel-storage/wcd.html>

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