

Low-Level Radioactive Waste Forum

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U.S. Nuclear Regulatory Commission

October 13, 2021

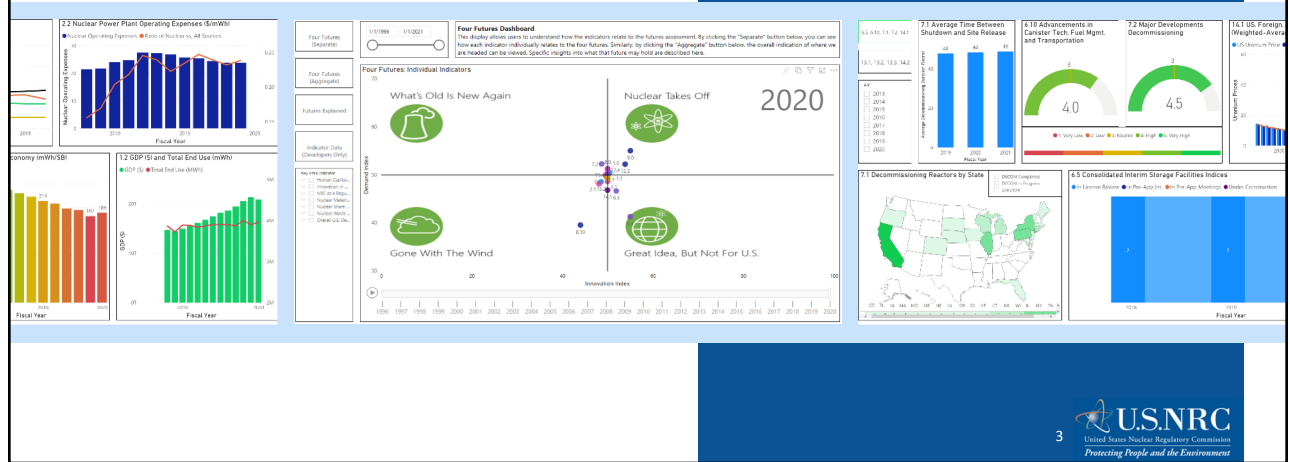


Reasonable Assurance of Adequate Protection

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Using Data to Assess the Future

The NRC is using signposts and markers for external factors that would have the greatest effect on the NRC's future to inform our planning related to workload, workforce issues, and opportunities to innovate.



Risk

Be riskSMART

Be ... clear about the problem

S	M	A	R	T
SPOT	MANAGE	ACT	REALIZE	TEACH
...what can go right or wrong?	...what you can	...on a decision	...the result	...others what you learned

R.I.P.E.

RISK-INFORMED PROCESS FOR EVALUATIONS

EMB R K

Applying Risk-Informed Principles in Regulatory Decision-Making





Regulatory activities should be consistent with the degree of risk reduction they achieve. Where several effective alternatives are available, the option which minimizes the use of resources should be adopted.



Principles of Good Regulation: Efficiency



A Modern Risk-Informed Regulator



Makes Sound Decisions

We will routinely make sound decisions using varying levels of efforts that clearly show our acceptance of risk as a necessary step in all activities.



Works Smarter

We'll use technology to work smarter, including using data analytics to highlight areas for regulatory attention and improvement.



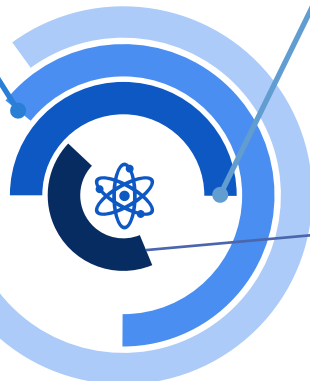
Innovates

We'll be innovators who make timely decisions that take into account different viewpoints and fully explored options.

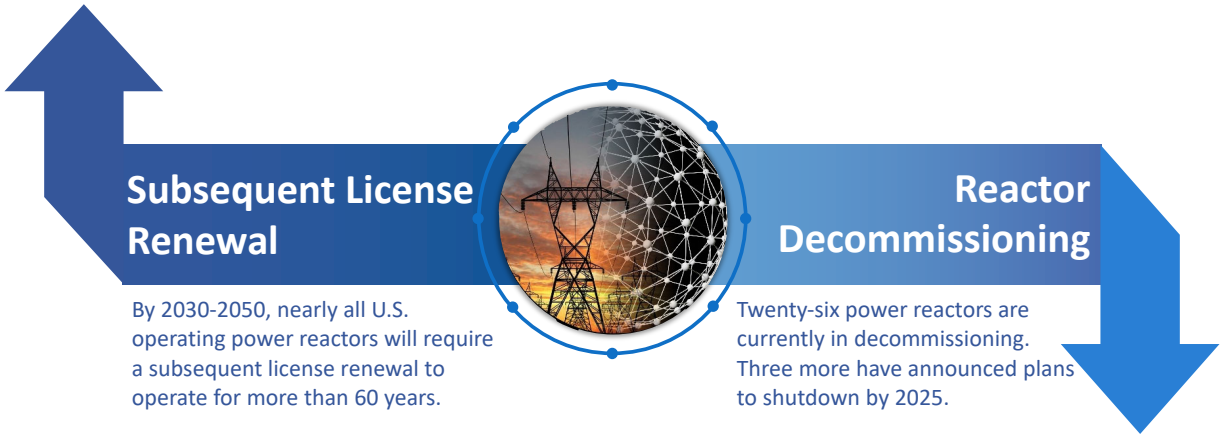


Attracts and Retains Staff

We'll retain our incredible staff and attract the best in their fields to join us in the future.



The Future of the Operating Fleet



Risk-Informing Reactor Decommissioning





Enhancing Decommissioning Guidance

- Risk-informed inspection guidance and adopted performance-based approaches
- Incorporated lessons learned from recent decommissioning experience
- Addressed new decommissioning models and financial assurance mechanisms
- Incorporated risk-insights and best practices in guidance

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Greater-Than-Class C & Part 61 Rulemakings

- The NRC is considering combining these rules
- Most GTCC waste can be safely disposed of in near surface facilities
- Agreement States can effectively regulate the majority of GTCC waste

NUREG/BR-0204 and the Uniform Waste Manifest Forms



NUREG/BR-0204
Revision 3

Instructions for Completing the U.S. Nuclear Regulatory Commission's Uniform Low-Level Radioactive Waste Manifest

Final Report

- Updated uniform waste manifest forms
- Updated references to DOT regulations
- Changes in response to comments on reporting and calculating hard-to-detect isotopes
- Clarified guidance

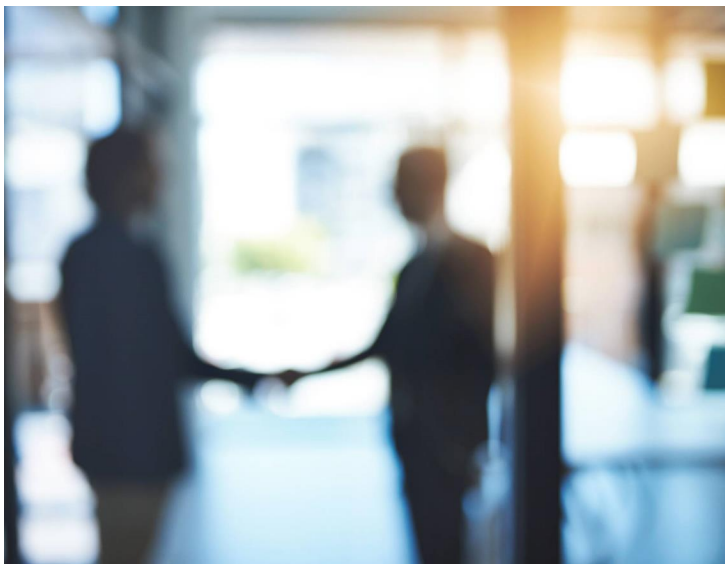


NRC's Very Low-Level Waste Scoping Study

- Aimed to identify if any actions were needed to strengthen the VLLW regulatory framework
- Concluded that the current framework provides adequate protection under a risk-informed and performance-based framework
- NRC will continue to evaluate potential enhancements within the existing VLLW framework



Benefiting from a Diversity of Views



Thank You!