



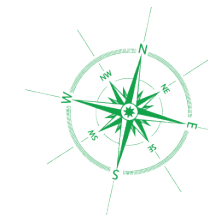
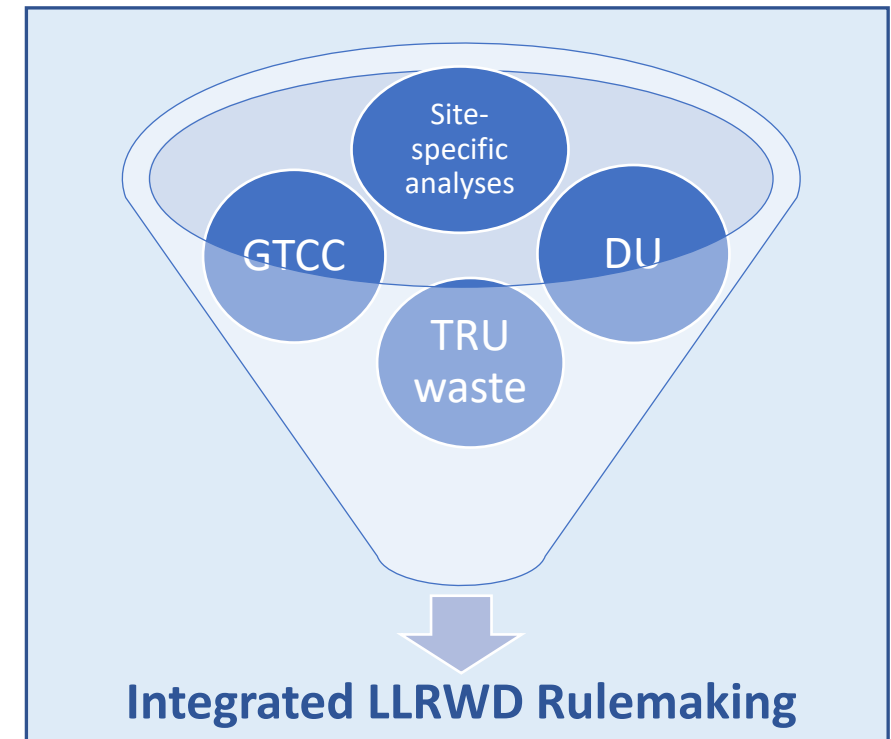
# Integrated Low-Level Radioactive Waste Disposal (LLRWD) Rulemaking

The NRC is conducting this rulemaking to—

- Consolidate and integrate criteria for near-surface disposal of greater-than-Class-C (GTCC) waste with 10 CFR Part 61 rulemaking activities
- Include requirements for site-specific analyses for all waste streams, including depleted uranium (DU) and GTCC
- Include graded approach for the compliance period
- Include transuranic (TRU) waste in the definition of low-level radioactive waste
- Address physical protection and criticality concerns in GTCC waste streams
- Provide for Agreement State licensing of certain GTCC waste streams

The Commission issued [SRM-SECY-20-0098](#) on April 5, 2022, to combine the 10 CFR Part 61 and GTCC/TRU rulemakings.

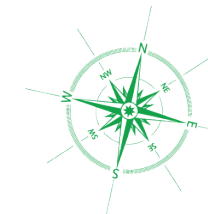
Office of Nuclear Material Safety and Safeguards





# Challenges to the Current NRC LLRWD Regulatory Framework

1982 Assumption	Current Practice
Waste hazard duration <ul style="list-style-type: none"> <li>Class A and B: 100 years</li> <li>Class C: 500 years</li> </ul>	Some defaulted Class A wastes are being disposed of in greater quantities than assumed and could cause hazards past these periods (e.g., DU)
Only U.S. Department of Energy enriches uranium <ul style="list-style-type: none"> <li>DU only commercially available in small quantities</li> </ul>	Private sector entities are operating enrichment facilities
Average disposed waste concentration expected to be well below class limit	Blended wastes create wastes much closer to class limit
GTCC waste disposal in geologic repository or by Commission approval	Considering near-surface disposal for certain GTCC waste streams





## Commission-Directed Changes for Integrated LLRWD Rulemaking

Allow case-by-case application of new requirements

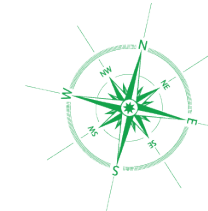
Consider site-specific, graded compliance period

Include safety case and defense-in-depth considerations

Allow single regulator for GTCC waste streams containing strategic special nuclear material

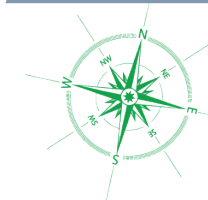
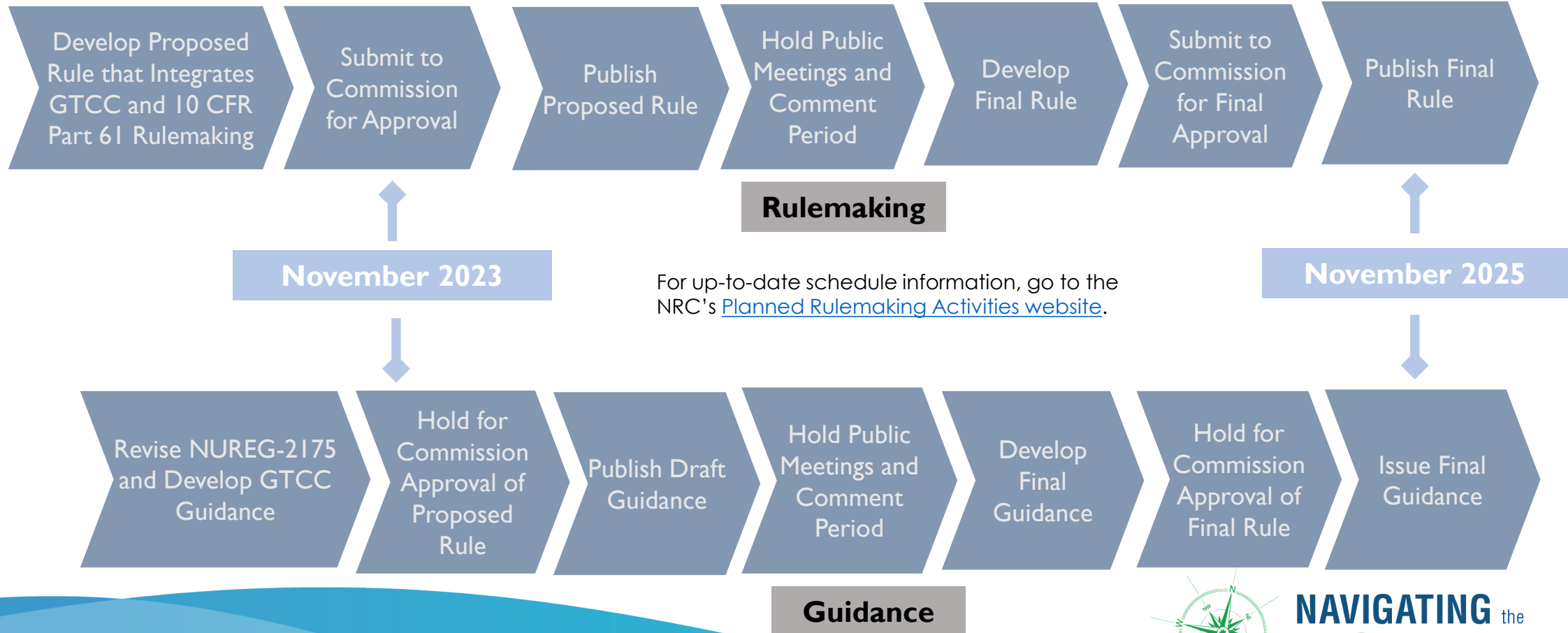
Flexibility for facilities to develop site-specific waste acceptance criteria

Allow Agreement State licensing of certain GTCC waste streams





# Anticipated Schedule for Integrated LLRWD Rulemaking





## Contact Information for Integrated LLRWD Rulemaking

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[Integrated LLRWD Rulemaking website](#)  
[NRC Rulemaking Process website](#)

