



AMERICA'S NUCLEAR SOLUTION

**GTCC & TRU:
What's Next for WCS?**

Panel 76

Wednesday, 8 MARCH 2017

Overview

- Path to Today
- Anticipated Actions
- Anticipated Solutions
- Looking Forward



Path to Today

- WCS proposed the development of a framework allowing disposal of GTCC and GTCC Like LLW in the FWF to offer the DOE a solution to the current regulatory impasse.
- WCS was selected as ***one of*** the Preferred Alternatives in the GTCC Environmental Impact Statement.



Path to Today

- 20 JUN 14 – WCS Petition for Rulemaking
 - Establish a framework for disposal of GTCC, GTCC-Like, and TRU LLW
 - Request supports changes to regulations that are consistent with Texas and Federal Statutes.
- 27 JUN 14 – TCEQ Requests NRC Review of WCS Petition



Path to Today

- 22 AUG 14 – TCEQ Notice of Petition for Rulemaking
- 30 JAN 15 – TCEQ Letter to NRC
 - Re: Authority & Jurisdiction for GTCC type waste streams
- 22 DEC 15 – NRC SRM – SECY-15-0094
 - Describes path forward



Path to Today

- WCS Proposed Regulatory Framework:
 - Provides a disposal pathway for stranded disused sealed sources collected as part of the Offsite Source Recovery Project
 - Provides a pathway for commercial GTCC stranded for over three decades at commercial nuclear power plants
 - Provides a pathways for Nondefense-related TRU and other GTCC-like wastes currently stranded to complete cleanup at DOE legacy sites.



Path to Today

- Case-by-Case is still an option
 - Under 10 CFR 61.55(a)(2)(iv)
- However ...
 - A well-defined regulatory basis remains our preference



Anticipated Actions

- NRC Issuance of final Part 61
- Within 6 months of final Part 61 – NRC Staff to issue Regulatory Basis for GTCC Disposal
 - For other than deep geologic disposal
- Also NRC will answer jurisdictional question
 - Can Texas manage GTCC?
- Develop Proposed Rule for GTCC near-surface disposal to define [nondefense] TRU
- TCEQ Rulemaking



Anticipated Solutions

- Performance Assessments demonstrate
 - The Federal Waste Facility (FWF) is suitable for essentially all types of GTCC, GTCC-like, and TRU wastes.
- Can adequately accept all 275 vitrified waste canisters at WV & fully remediate site
- All 3000 VW canisters at SRS and future volumes



Anticipated Solutions

- Blood Irradiators
- Orphaned Sealed Sources



Looking Forward

- Our Federal Waste Facility
 - A state-of-the-art Intermediate Depth Waste Disposal Facility
 - Demonstrated to be suitable for removing long-lived radionuclides from the biosphere for hundreds of thousands of years into the future.
- Represents a robust solution for
 - GTCC
 - GTCC-Like
 - TRU





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QUESTIONS?