



Status of Low-Level Waste Activities

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LLRW Policy Amendments Act of 1985

- Management on regional basis
- Past NRC views

US Disposal Capacity Considerations

- Current generation rates
- Current limitations
- New disposal/processing options
- New waste streams

US Disposal Capacity Considerations (cont.)

- Changes in generation rates
- DOE use of commercial facilities
- 4 “categories” of LLW

U.S. Disposal Capacity Current Generation Rates

- GTCC – several thousand ft³/yr
- Class B/C – about 10X GTCC volumes
- Class A – about 1000X GTCC volumes
- LAW – on order of Class A volumes

U.S. Disposal Capacity Current Options

- GTCC
- Compacts with regional facilities
- Other generators, Class B/C
- Class A
- LAW

U.S. Disposal Capacity Changes in Generation Rates

- New waste streams
- Reactor decommissioning
- New reactors

U.S. Disposal Capacity Challenges

- GTCC
- Class B/C
- Class A
- LAW

LLW Strategic Assessment High Priority Tasks

- LLW storage guidance
- Procedures for LAW disposal
- Procedure for import/export reviews
- Guidance for alternate waste classification (10 CFR 61.58)

LLW Strategic Assessment High Priority Tasks (cont.)

- Scoping study of financial assurance for sources
- DU disposal analysis
- Concentration averaging guidance (blending)

Risk-Inform Waste Classification

- SRM for SECY-08-0147
- Part 61 framework
- International waste classification system
- Stakeholder outreach

Blending

- Significant stakeholder interest
- Industry initiatives
- Regulatory and technical issues

Conclusions

- LLW disposal capacity
- Specific tasks/Strategic Assessment
- Future Commission direction