



**U.S.NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

**US NRC (10 CFR 61 Regulations) Compared to  
US EPA (RCRA Regulations) Disposal Sites:  
Viable Options for Very Low-Level Waste  
Disposal**

***LLW Panel – Waste Management 2009***

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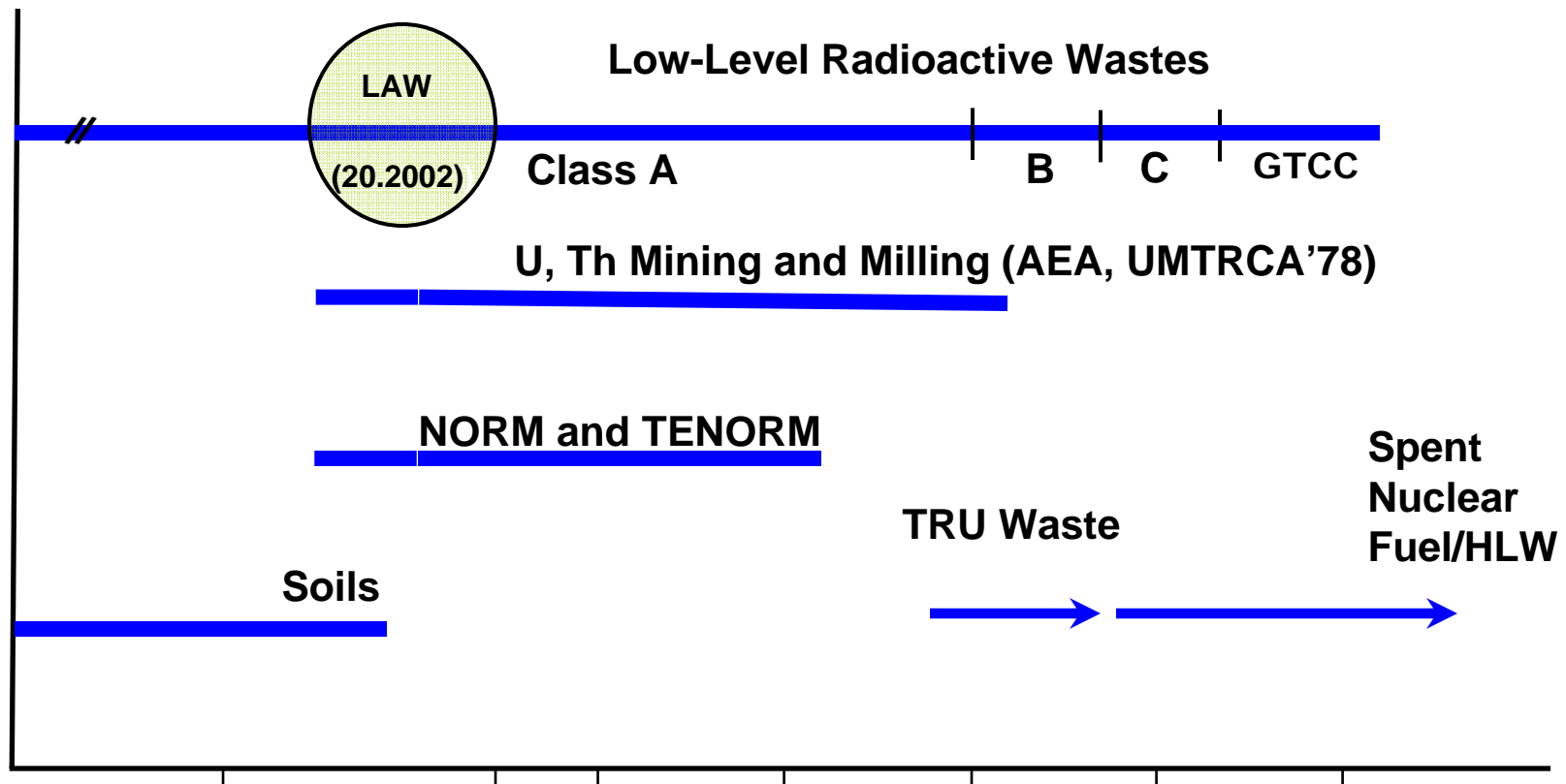
**Division of Waste Management and Environmental Protection**

**Office of Federal and State Materials and Environmental Management Programs**

## Part 61 vs RCRA

- Same goal, different approaches
- Outcomes similar
- Means are different--performance-based vs technology-based
- Benefits

# Context—the Spectrum of Radioactive Wastes

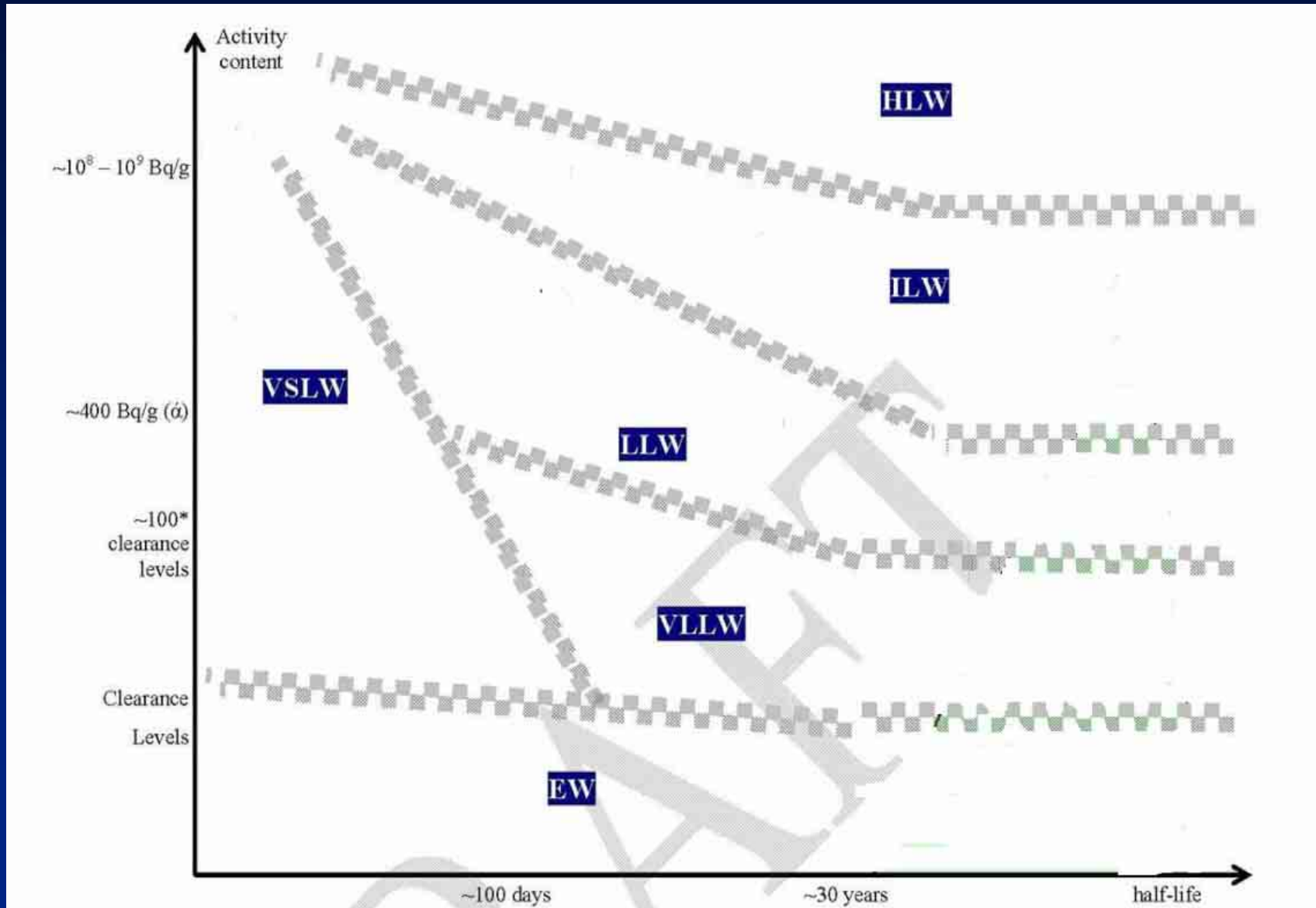


# **IAEA Draft Safety Guide 390**

## **“Classification of Radioactive Waste”**

- **Revises 1994 Waste Classification Guide**
- **From four waste classes to seven**
- **A new “VLLW” category**
  - **“slightly above levels specified for clearance”**
  - **One or two orders of magnitude above exempt levels**
- **Awaiting final approval**

# Proposed IAEA Classification Scheme



## Past Implementation

- More than 100 requests in last 30 years
- 2/3 for onsite disposals, trend towards offsite recently
- Typically, solid waste landfills, trend towards RCRA C
- Most below clearance levels
- Enclosure 4 to SECY-06-0056, March 9, 2006, has list of all 20.2002 authorizations from 2000 to 2006

## Future

- **Internal procedure**
- **Standard Review Plan**
- **Commission direction?**
  - **Commission paper on depleted uranium disposal**
  - **Option to revise waste classification system**