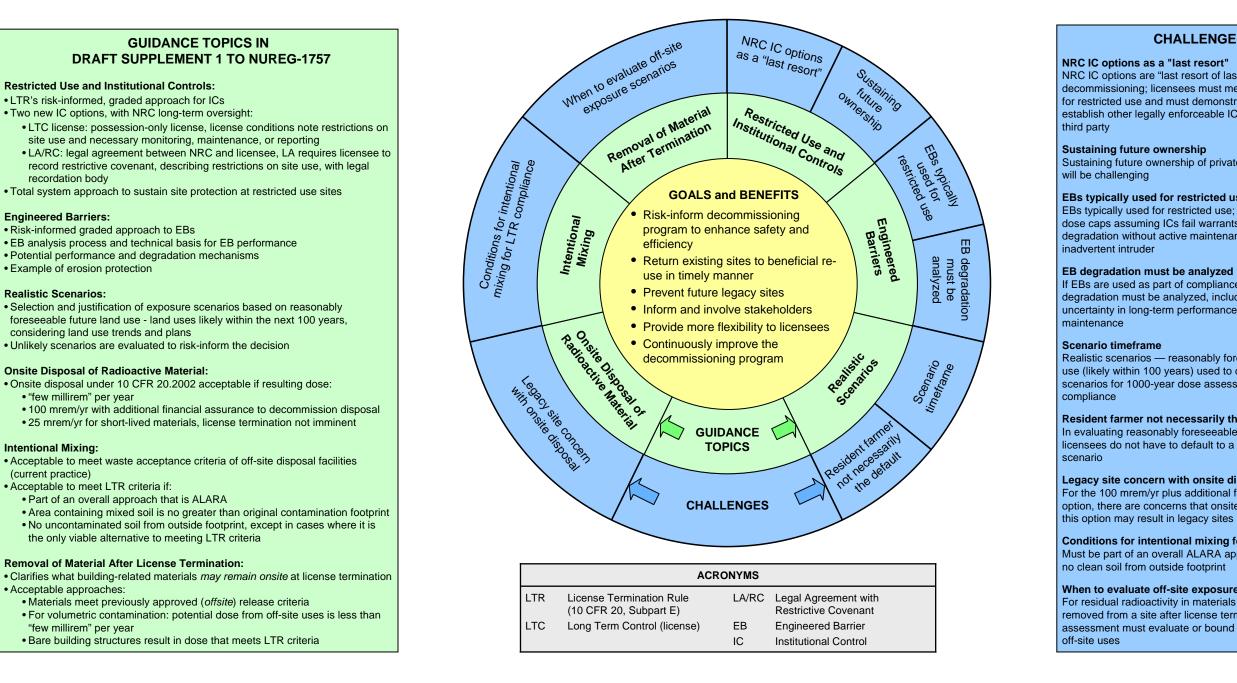


# Updates to NRC's Consolidated NMSS Decommissioning Guidance

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## http://www.nrc.gov/what-we-do/regulatory/decommissioning/reg-guides-comm.html



# **CHALLENGES**

NRC IC options are "last resort of last resort" for decommissioning; licensees must meet eligibility criteria for restricted use and must demonstrate failure to establish other legally enforceable ICs or independent

Sustaining future ownership of private restricted use sites

## EBs typically used for restricted use

EBs typically used for restricted use: LTR requirement for dose caps assuming ICs fail warrants analysis of EB degradation without active maintenance and with

If EBs are used as part of compliance with LTR criteria, degradation must be analyzed, including analysis of uncertainty in long-term performance without active

Realistic scenarios — reasonably foreseeable future land use (likely within 100 years) used to determine exposure scenarios for 1000-year dose assessment for LTR

## Resident farmer not necessarily the default

In evaluating reasonably foreseeable future land uses, licensees do not have to default to a resident farmer

### Legacy site concern with onsite disposal

For the 100 mrem/yr plus additional financial assurance option, there are concerns that onsite disposals under

Conditions for intentional mixing for LTR compliance Must be part of an overall ALARA approach to cleanup,

# When to evaluate off-site exposure scenarios

For residual radioactivity in materials that may be removed from a site after license termination, the dose assessment must evaluate or bound doses from potential

# PROCESS FOR UPDATING DECOMMISSIONING GUIDANCE

LTR Analysis **Commission Papers [May** 2003 and March 2004] Staff analysis to address several LTR implementation issues

### **Regulatory Issue** Summary 2004-08 [May 2004]

Informed stakeholders of LTR Analysis. Commission direction, and preliminary guidance

## Decommissioning Workshop [April 2005] Provided opportunity for early stakeholder

involvement in development of guidance on LTR Analysis issues

#### NUREG-1757, Draft Supplement 1 [September 2005] Contained draft guidance on LTR Analysis issues; published for public comment

#### **Commission Consultation** [planned May 2006] Staff shares results of stakeholder comments and input on guidance with

Commission

**Finalize Guidance** [planned September 2006] Staff finalizes guidance in NUREG-1757, Draft Supplement 1