

Intentional Mixing — A Solution for B & C Waste? A Regulatory Perspective

The Second Annual Radwaste Summit

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TOPICS

- Drivers
- Safety considerations
- Definitions
- Current guidance
- Issues
- Stakeholder views
- Next steps

DRIVERS

- Strategic Assessment of LLRW Program (SECY-07-180)
- Closure of Barnwell for disposal of B/C waste
- NEI/EPRI initiative
- Licensee requests for approval to blend

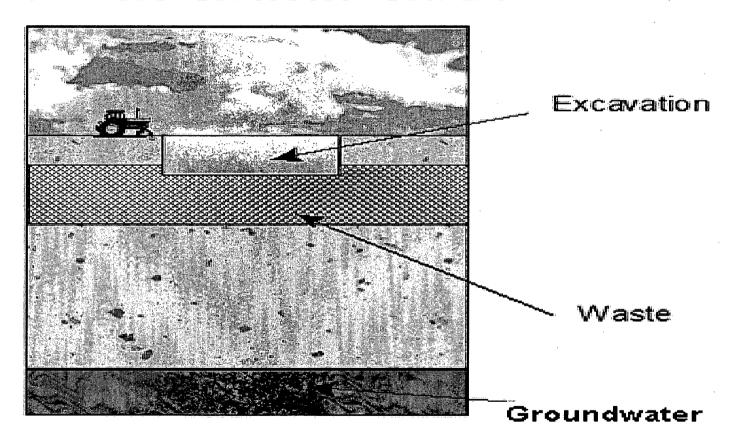
DEFINITIONS

- Blending--mixing of higher and lower concentrations into a homogeneous final waste form
- Not clean or untainted material
- Distinguished from averaging of waste

SAFETY CONSIDERATIONS

- Protection of inadvertent intruder into disposal site—10 CFR 61.42
- Protection through various measures, including concentration limits
- "Averaging" to meet limits
- Final waste form, not "upstream" forms

Part 61 Intruder Construction Scenario



CURRENT GUIDANCE

- 1995 Branch Technical Position on Concentration Averaging and Encapsulation
- Mixing of homogeneous waste types or streams
- "Factor of 10" rule
- Exceptions
- Waste classification

SOME ISSUES

- Previous Commission statements on mixing
- Disposal preferred over storage
- Currently allowed exceptions to BTP
- Degree of homogeneity required after mixing of homogeneous wastes
- Range of stakeholder views

NEXT STEPS

- Consideration of whether to revise guidance, and, if so, how
- Advise Commission
- Seek additional stakeholder views