U.S. Nuclear Regulatory Commission Roles and Responsibilities at West Valley

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What Are Our Goals?

- Nuclear Regulatory Commission's (NRC's) Roles and Responsibilities
- Commission's Final Policy Statement
- Comments/questions on Final Policy Statement

NRC Roles and Responsibilities

- Atomic Energy Act (AEA)
  - 10 CFR Part 50 license
  - Inspection
  - Ensure public health and safety
  - License termination

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NRC Roles and Responsibilities

- National Environmental Policy Act (NEPA)
  - Cooperating Agency in Decommissioning Environmental Impact Statement (EIS)
  - LTR-GEIS/Site-specific analysis

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NRC Roles and Responsibilities

- Interface with stakeholders
  - Public
  - Regulators
  - DOE
  - NYSERDA

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NRC Performance Goals

- Maintain safety
- Increase public confidence
- Effective, efficient, and realistic decisions
- Reduce unnecessary regulatory burden

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Decommissioning Criteria Background

- Commission public meeting (1/12/99)
- Draft Policy Statement published for comment (12/3/99)
- NRC public meeting on draft policy statement (1/5/2000)
- Final Policy Statement published (2/1/2002)

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Implementation

- DOE to address decommissioning criteria
- EIS preferred alternative
- Several complex issues
- Avoid speculation

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License Termination Rule (LTR)

- Unrestricted use (No restrictions) — 25millirem/year+ALARA
- Restricted Release (IC in place) — 25 millirem/year+ALARA
- If IC fails — 100 millirem/year; 500 millirem/year (rare cases)
- Alternate Criteria (IC in place)
  25 millirem/year; up to 100 millirem/year

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License Termination Standards for Unrestricted Release (10 CFR 20.1402)

- Total Effective Dose Equivalent (TEDE) (25 millirem/year) and is As Low As Reasonably Achievable (ALARA)
- Average member of the critical group
- All path ways
- Period of performance 1,000 years

Natural Background

• Radon	200 millirem/year
• Cosmic	27 millirem/year
• Terrestrial	28 millirem/year
• Internal	39 millirem/year
• Consumer products	5 to 13 millirem/year
• Environment	0.06 millirem/year
• Medical:	
Diagnostic X-Rays	39 millirem/year
Nuclear medicine	14 millirem/year

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