



DECOMMISSIONING PROGRAM

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KEY MESSAGES

- Program improvements
- Comprehensive approach
- Implementation overview
- Accomplishments
- Apply lessons learned
- Challenges

PROGRAM IMPROVEMENTS

- Efficiency and effectiveness gains
- Guidance consolidation
- Risk informed/performance oriented
- Realistic scenarios
- Stakeholder involvement

COMPREHENSIVE DECOMMISSIONING PROGRAM

- NMSS, NRR, RES, REGIONS, OGC
- Decommissioning Management Board
- EPA/States

RES ACTIVITIES

- Probabilistic version of RESRAD-BUILD
- Slag solubility & leaching data
- Data on release of radionuclides and chelating agents from ion exchange resins
- Effects of hydrologic uncertainty assessments on performance predictions

PROGRAM SUMMARY

- Programmatic direction/guidance
- Material decommissioning
- Fuel cycle decommissioning
- Uranium mill tailings decommissioning
- Reactor decommissioning

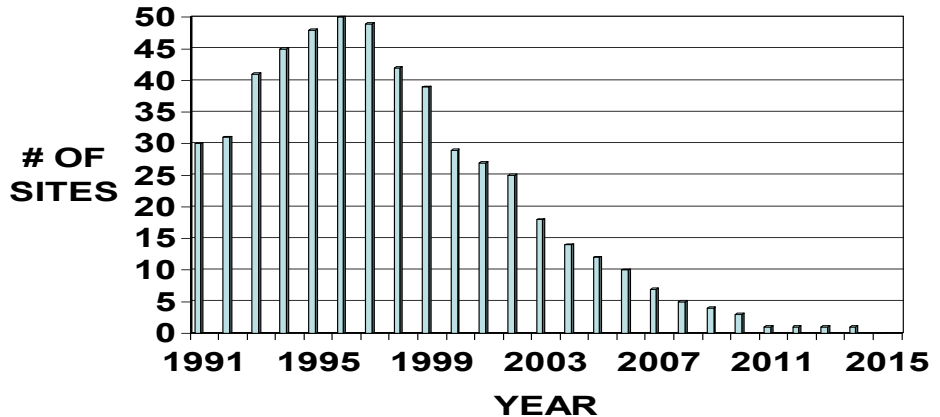
MATERIAL DECOMMISSIONING

- Oversight of complex sites
- License termination file reviews
- Pilot Study for decommissioning w/o a DP
- West Valley oversight
- Decommissioning funding analysis
- International activities

COMPLEX SITES

- SDMP/Complex decommissioning sites
- Newly identified sites
- Remediated/transferred sites

COMPLEX SITES



LICENSE TERMINATION FILE REVIEWS

- ORNL reviewed about 37,000 license files
- About 1200 licenses needed further review
- 40 sites warranted further action
- Released/transferred/remediated
- Completed in September 2001

WEST VALLEY OVERSIGHT

- Final Policy Statement
- Working with DOE/NYSERDA
- Focus on preferred alternative

DECOMMISSIONING FUNDING ANALYSIS

- SECY-00-0180 (Aug 2000)
- Analysis of Costs and Financial Viability
- Findings in SECY-02-0079
- DOE stewardship

FUEL CYCLE FACILITIES DECOMMISSIONING

- Most facilities in operation 20 plus years
- Decommissioning due to Timeliness Rule
- In 2002; 1 conversion facility, 2 Navy and 4 commercial fuel manufacturers
- Complex technical issues

URANIUM MILL TAILINGS FACILITIES DECOMMISSIONING

- PM/technical review - Part 40, Appendix A
- 12 Title II sites in decommissioning
- 6 Title I sites completing GW restoration
- 8 additional Title I in 2002

REACTOR DECOMMISSIONING

- PM responsibility for Fermi 1 and Peach Bottom 1
- Reviewing LTPs for Maine Yankee, Connecticut Yankee, and Saxton
- Expect LTP for Big Rock Point in 2003
- Change PM transfer point

REACTOR DECOMMISSIONING

- PM for 18 power, and 12 research & test reactors
- Approved Maine Yankee partial site release
- Dresden 1 & Rancho Seco completed fuel transfer
- Yankee Rowe & Maine Yankee began fuel transfer

REACTOR DECOMMISSIONING

CONTINUED

- Integrated rulemaking deferred
- Partial site release Final Rule to Commission in November 2002
- GEIS - October 2002

LESSONS LEARNED

- Key decommissioning process findings
- NRC/industry cooperation
- Augmented acceptance reviews
- Phased reviews
- Proactive licensee interactions

ACCOMPLISHMENTS

- Sites remediation
- Key licensing actions
- Guidance development
- Practical tools
- Programmatic direction

CHALLENGES

- LTR analysis
- Alternative options for restricted release
- Financial assurance
- Preventing legacy sites