

Status of Decommissioning Licensing and Rulemaking Activities

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Reactor Decommissioning Transition Overview



- Power Reactor Shutdowns
- NRC Actions to Address Unplanned Reactor Shutdowns
- Transition Activities from Operating to Decommissioning
- Status of Decommissioning Licensing Reviews
- Lessons Learned
- Decommissioning Rulemaking Activities




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Power Reactor Shutdowns

- **Unplanned Reactor Shutdowns**
 - **Crystal River Unit 3** - Crystal River, Florida (February 2013)
 - **Kewaunee Power Station** - Kewaunee Wisconsin (May 2013)
 - **San Onofre Nuclear Generating Station, Units 2 & 3** - San Clemente, California (June 2013)
 - **Vermont Yankee Nuclear Power Station** - Vernon, Vermont (December 2014)
- **Planned Reactor Shutdown**
 - **Oyster Creek Nuclear Generating Station** - Forked River, New Jersey (Announced Shutdown for Late 2019)

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NRC Actions to Address Unplanned Reactor Shutdowns

- Consolidation of Project Management Responsibility
- Formation of Inter-Office Reactor Decommissioning Transition Working Group
- Development of Interim Staff Guidance in Parallel with Ongoing Licensing Reviews
- Identification of Potential Regulatory Improvements and Past Lessons Learned
- Development of Rulemaking and Enhanced Guidance

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Transition Activities from Operating to Decommissioning



- Notification of Permanent Cessation of Operations and Permanent Removal of Fuel from the Reactor
- Submittal of Post Shutdown Decommissioning Activities Report (PSDAR) and Public Meeting
- Inspection Oversight
- Licensing Basis
- Program Oversight Responsibility

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Types of Decommissioning Licensing Reviews



- License Amendments*
 - Permanently Defueled Technical Specifications
 - Revised Emergency Plan and Emergency Action Level Scheme
 - Exemptions from Title 10 Code of Federal Regulations
 - Emergency Preparedness (Part 50, Appendix E)
NSIR Interim Staff Guidance
 - Security Plan and Procedures (CFR Part 73)
NSIR Interim Staff Guidance
 - Decommissioning Trust Fund (CFR 50.82)
 - Insurance and Financial Protection (CFR 50.54 and Part 140)
 - Requests to Rescind or Relax Orders
- * State and Public Participation

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Status of Decommissioning Licensing Activities



- Kewaunee
 - Licensing action reviews complete.
 - PM responsibility transferred from NRR to NMSS (March 2015)
- San Onofre Generating Station, Units 2 and 3
 - Licensing action reviews complete.
 - PM responsibility transferred from NRR to NMSS (August 2015)
- Crystal River Unit 3
 - Licensing action reviews complete.
 - PM responsibility transferred from NRR to NMSS (September 2015)
- Vermont Yankee
 - Licensing action reviews in progress.

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Lessons Learned



- Communications Between NRC, Licensees, State and Local Officials, and Public
- Emergency Preparedness (EP) Exemption and EP/Emergency Action Level Scheme License Amendment Reviews
- Decommissioning Trust Fund

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Commission Direction on Decommissioning Rulemaking



- **SRM SECY-14-0066**, Commission directed staff to report its views on the need for an integrated rulemaking for decommissioning.
- **SRM SECY-14-0118**, Commission directed staff to complete rulemaking in 2019.
- **SECY-15-0014**, NRC Staff Responded to both SRMs and provided high-level schedule and resource needs.

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Scope of Decommissioning Rulemaking



- The Commission Directed Staff to Address the Following Issues in the Rulemaking, as Discussed in SECY-00-0145:
 - Graded Approach to Emergency Preparedness;
 - Lessons Learned;
 - NRC Approval of Post-Shutdown Decommissioning Activity Report;
 - Maintaining Three Existing Decommissioning Options and Associated Timeframes;
 - Role of State and Local Governments and Non-Governmental Stakeholders;
 - Other Issues Deemed Relevant by Staff.

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Milestones Associated with Decommissioning Rulemaking



- Major Milestones
 - Advance Notice of Proposed Rulemaking: Request for Comment (ANPR) (Fall 2015)
 - Draft and Final Regulatory Bases
 - Proposed Rule/Draft Regulatory Guidance
 - Final Rule/Final Regulatory Guidance (to the Commission 2019)

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Opportunities for Participation



- The NRC is interested in feedback from the State partners, the nuclear industry, and all members of the public:
 - Comment opportunities (ANPR, Draft Regulatory Basis, Proposed Rule)
 - Please also provide comments on cost-benefits
 - Planned public meetings

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Questions?