
Reactor Decommissioning Overview

Division of Spent Fuel Management

REG CON 2016

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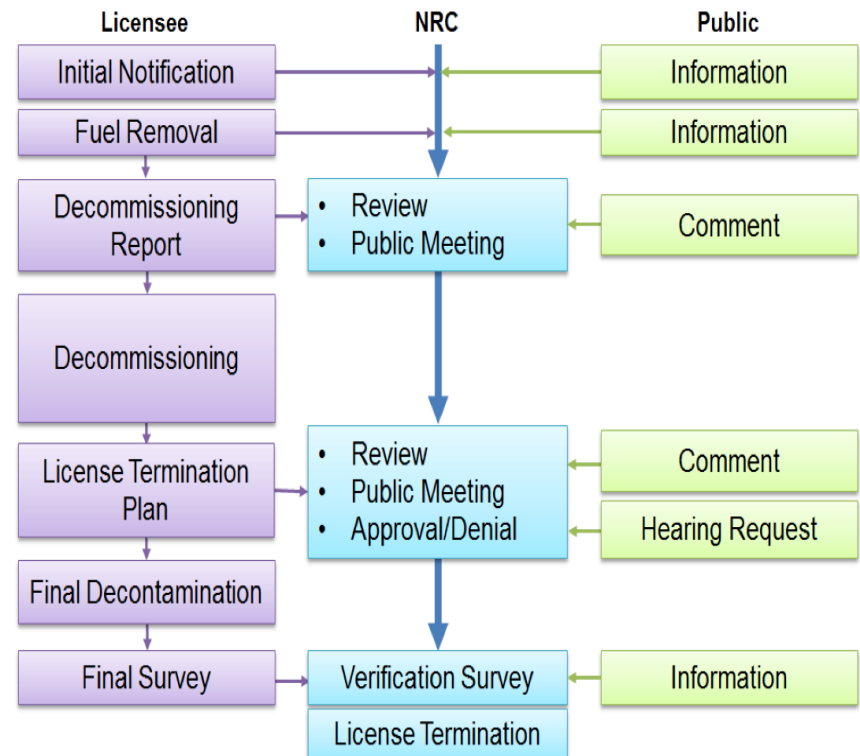
Division of Decommissioning, Uranium Recovery and Waste Programs

Decommissioning Program Regulatory Framework

Decommissioning Program

- Statutory authority
 - Integrated Decommissioning Program
- Comprehensive regulations:
 - Public involvement
 - Environmental review
 - Financial assurance
 - Site characterization
 - Site remediation/Radiological clean-up
 - Final site surveys
- Regulatory guidance
- Oversight and inspection

Decommissioning Process



Recent Premature Power Reactor Shutdowns



Zion 1 & 2 - Progress and Expected End Point



Reactor Decommissioning Program Status

- 10 power reactors have terminated their licenses and have been released for unrestricted use
- 20 power reactors in decommissioning
 - 6 power reactors in active DECON or active dismantling:
 - Zion 1 & 2, Humboldt Bay 3, LaCrosse, and San Onofre 2 & 3
 - 13 power reactors in SAFSTOR or deferred dismantlement
 - Fort Calhoun ceased operations October 24, 2016 and is expected to select SAFSTOR
- 6 power reactors have announced they will permanently cease operations by 2019.
 - FitzPatrick¹, Pilgrim, Oyster Creek, Clinton, and Quad Cities 1 & 2
- Additional near term shutdowns are possible

¹ Current negotiations on the potential sale of FitzPatrick, pending approvals from State and Federal agencies, may prevent shutdown

Connecticut Yankee

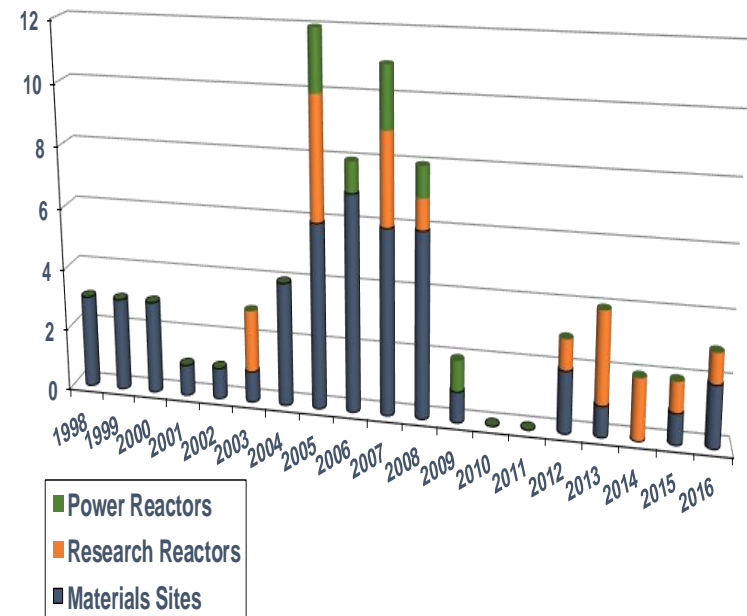


Summary & Conclusion

Decommissioning Program

- NRCs decommissioning program is a successful and internationally recognized program
- NRC power reactor decommissioning is expanding as more shutdowns are anticipated
- Several regulatory issues to improve the efficiency of reactor transitioning from operation to decommissioning are being addressed in rulemaking
- Lessons learned continue to inform the regulatory guidance

License Terminations Since 1997



Reactor Decommissioning Branch



Carpe Cesium

AKA,
The Dead Reactor Society