

Indian Point Post Shutdown Decommissioning Activities Report

PSDAR Public Meeting

Sleepy Hollow Hotel and Conference Center

July 29, 2021

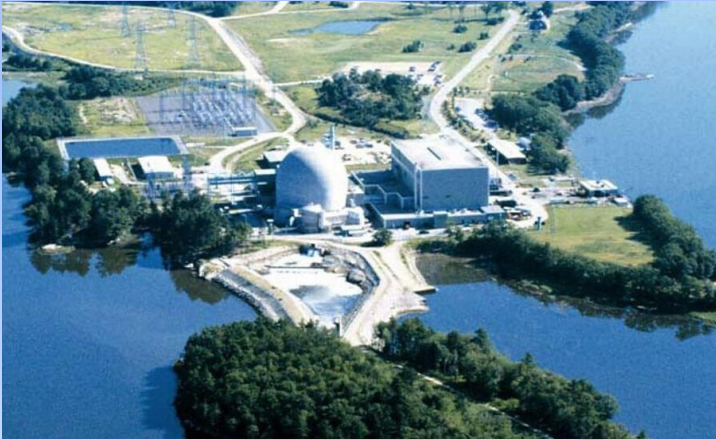
Bruce A. Watson, CHP

Chief, Reactor Decommissioning Branch

Office of Nuclear Material Safety and Safeguards



Reactor Decommissioning Program



Maine Yankee



- **26 Power Reactors Currently Undergoing Decommissioning:**
 - 17 in Active Decommissioning*
 - 9 in SAFSTOR
- **7 Announced Shutdowns**

* License termination is expected at Humboldt Bay, La Crosse, and Zion Units 1 & 2 by 2021



The NRC's Decommissioning Mission

- The NRC's mission during decommissioning is to ensure safety until the plant has been radiologically decommissioned and the license is terminated.
- NRC safety oversight continues with licensing and inspections until the license is terminated.
- The Reactor Oversight Program was transferred to the Inspection Manual Chapter 2561, Reactor Decommissioning Inspection Program.



Resident Inspectors observe final shutdown of Indian Point Unit 3



Reactor Decommissioning Process

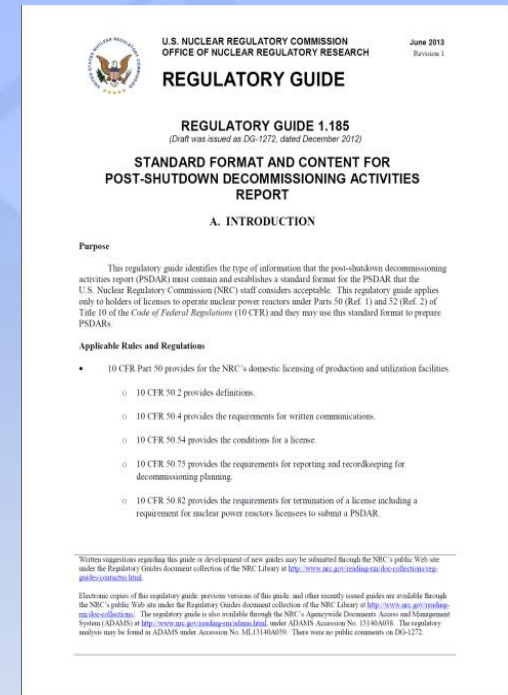
- **May 11, 2021, Entergy certified permanent cessation of Unit 3 operations and permanent removal of fuel from reactor. Unit 2 was certified on May 12, 2020.**
- **The Holtec PSDAR was submitted to the NRC as supplemental information to the license transfer application on Dec. 19, 2019.**





NRC's PSDAR Review Process

- The PSDAR must contain the information required by regulation; Regulatory Guide 1.185 provides guidance on content and format.
- After the licensee submits its certification of permanent removal of fuel from the reactor vessel, radiological decommissioning can start as allowed by the plant's license.
- The decommissioning activities must not endanger the public health and safety or the environment.





PSDAR Summary

- **Holtec Indian Point PSDAR Summary:**
 - Spent fuel in dry cask storage by 2024
 - Completion of decommissioning by 2033
 - Decommissioning Trust Funds (~ \$2.4 B) are adequate to complete the decommissioning
 - Environmental impacts will be less than the previously issued Environmental Impact Statement and the site-specific assessment in the PSDAR.
- NRC staff began formal review the Holtec PSDAR on May 28, 2021, after the license was amended making Holtec the new site owner.



License Termination

- **NRC will continue to inspect the site to ensure the site is decommissioned safely.**
- **NRC will continue to inspect the spent fuel in dry storage to ensure it is safe and secure until removed from the site.**
- **License Termination Plan (LTP) must be submitted to NRC at least 2 years prior to requesting license termination.**
- **The LTP is approved by license amendment after NRC review; there will be a public meeting and opportunity for a hearing.**





Reminders!

- **We are here to listen to your comments on the Indian Point PSDAR.**
- **The NRC staff will do our best to answer your questions.**
- **The meeting is being transcribed and will be publicly available.**
- **A meeting summary will be published and will be publicly available.**



New York Reactor Decommissioning

Shoreham Nuclear Power Plant (Long Island, NY)



State University of New York at Buffalo Research Reactor





PSDAR Comments

- This public meeting
- By Mail:
 - Office of Administration, Mail Stop: TWFN-7-A60M
 - U.S. Nuclear Regulatory Commission
 - Washington, DC 20555-0001
 - ATTN: Program Management, Announcements and Editing Staff
- Federal Rulemaking website:
 - <http://www.regulations.gov>
 - Search for Docket ID NRC-2021-0125
 - Due by Oct. 22, 2021



Questions?

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Region 1, Public Affairs Officer

