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Indian Point Post Shutdown Decommissioning Activities Report

***PSDAR Public Meeting
August 18, 2021***

Bruce A. Watson, CHP
Chief, Reactor Decommissioning Branch
Office of Nuclear Material Safety and Safeguards



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Indian Point PSDAR Public Meeting Agenda

August 18, 2021

Topic	Time	Speakers
Registration Opens	3:30 PM	Online WebEx & Audio Registration
Introductions <ul style="list-style-type: none">• Welcome• NRC Introductions• Meeting Rules	4:00 PM	U.S. Nuclear Regulatory Commission (NRC) Bruce Watson, NMSS Brett Klukan, Region 1
Discussion Topics <ul style="list-style-type: none">• NRC Presentation• Introductions Elected Officials and Native American Tribes• Public Comments	4:15 PM	NRC Presentation: Bruce Watson Questions & Answers: Brett Klukan
Summary of Proceedings and Discussions	6:45 PM	Bruce Watson
Adjourn	7:00 PM	Brett Klukan



Reactor Decommissioning Program

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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

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- 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

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- 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.



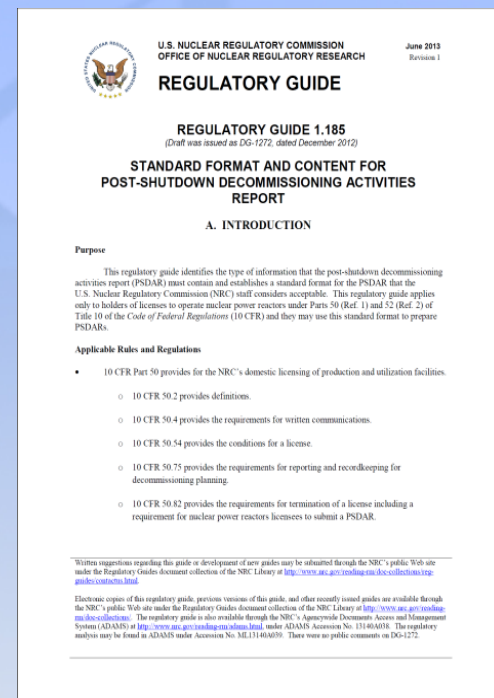


NRC's PSDAR Review Process

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- 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

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- **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

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- 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!

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- **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

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Shoreham Nuclear Power Plant (Long Island, NY)



State University of New York at Buffalo Research Reactor





PSDAR Comments

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- 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



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Questions?

Neil.Sheehan@NRC.GOV

or 610-337-5331

Region 1, Public Affairs Officer