



# **NRC PUBLIC MEETING ON THE OYSTER CREEK NUCLEAR GENERATING STATION LICENSE TERMINATION PLAN**

**September 17, 2025**



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Reactor Decommissioning Branch  
Division of Decommissioning, Uranium Recovery,  
and Waste Programs

U.S. Nuclear Regulatory Commission  
Office of Nuclear Material Safety and Safeguards

# Welcome

- This meeting is being transcribed.
  - Transcription will be made publicly available with the meeting summary
- This meeting is being shared via TEAMS
  - Webinar number  
<https://events.gcc.teams.microsoft.com/event/7463909c-67ef-4462-837a-69b522880e9f@e8d01475-c3b5-436a-a065-5def4c64f52e>

# Meeting Agenda

- Introductions and Opening Remarks
- NRC Presentations:
  - Decommissioning Process and Experience
  - Regulatory Oversight and Inspection Program
  - NRC Inspection Program for Operating Reactors, Decommissioning Reactors and ISFSI
  - LTP Review and Public Comment Process
- Public Comments
  - Protocol
  - Public comments at meeting
- Closing Remarks

# NRC Mission Statement



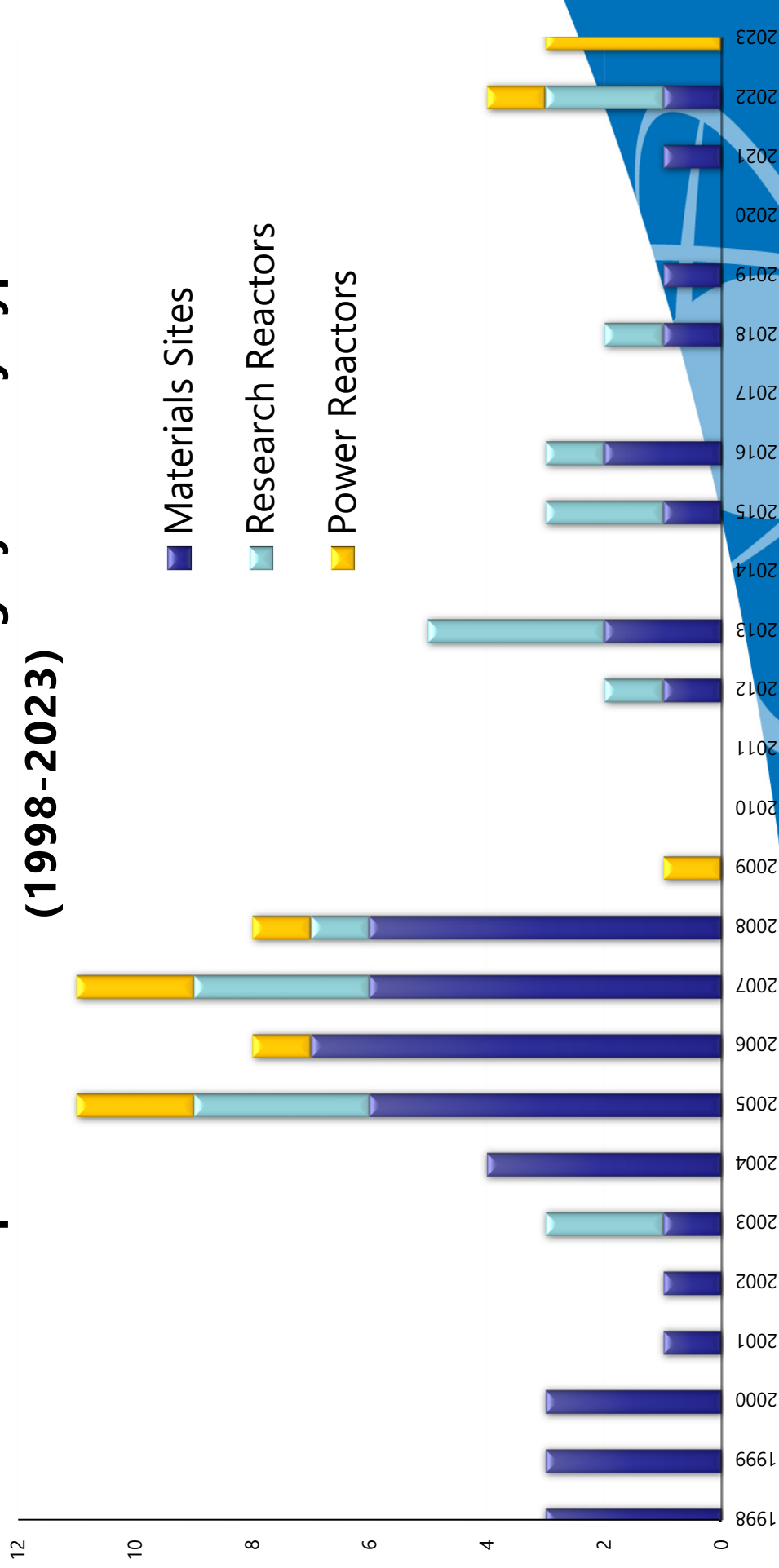
The NRC protects public health and safety and advances the nation's common defense and security by enabling the safe and secure use and deployment of civilian nuclear energy technologies and radioactive materials through efficient and reliable licensing, oversight, and regulation for the benefit of society and the environment.



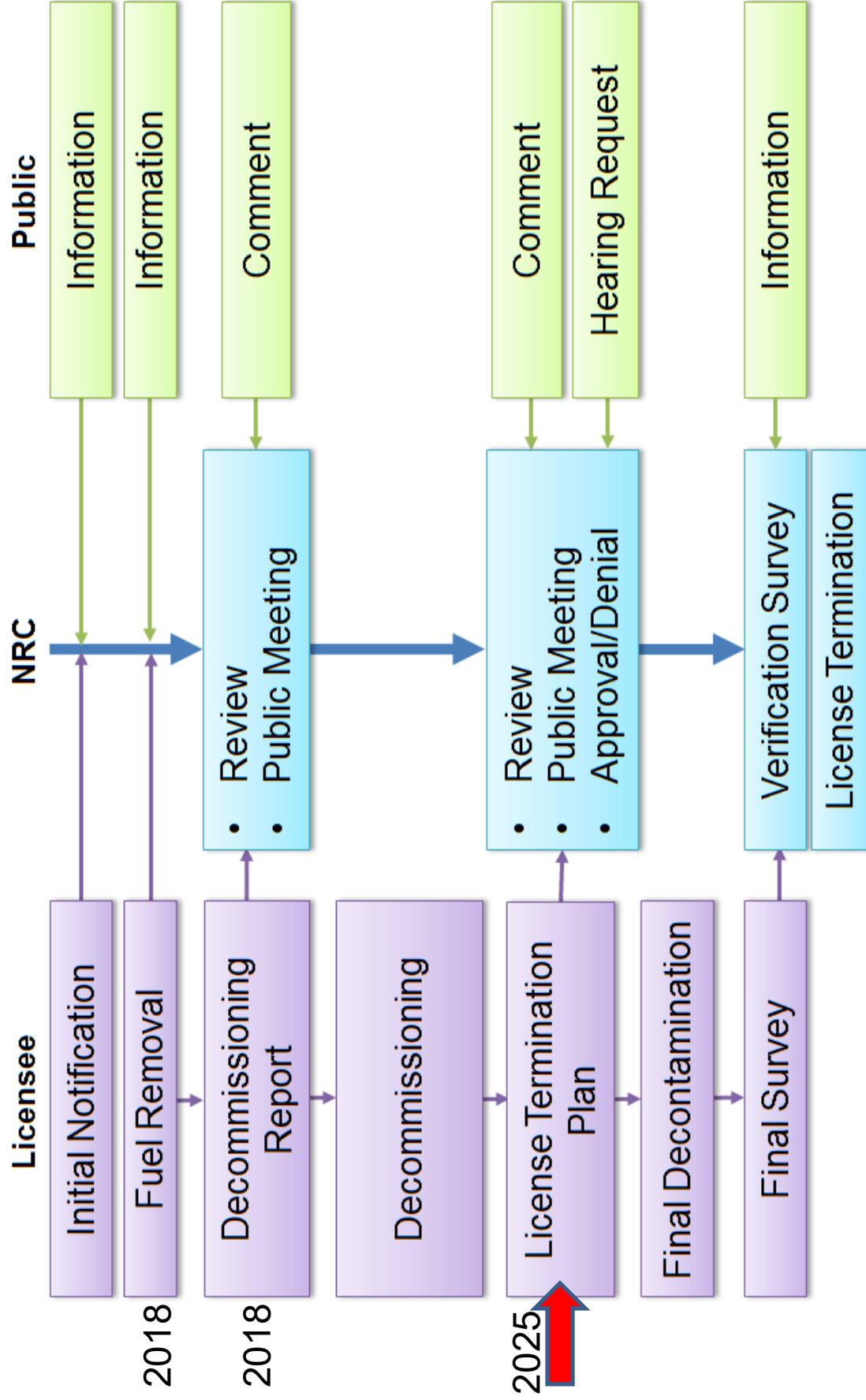


# Decommissioning Experience

## Completion of Decommissioning by Facility Type (1998-2023)



# Reactor Decommissioning Process

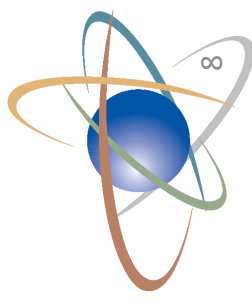


# License Termination Plan

- The License Termination Plan (LTP) includes:
  - Site Characterization
  - Identification of Remaining Dismantlement Activities
  - Plans for Site Remediation
  - Plans for the Final Radiation Survey
  - Updated Site-Specific Cost Estimate of Remaining Costs
  - Supplement to the Environmental Report

# **NRC Unrestricted Release Criteria (10 CFR 20.1402)**

- **Radiological Criteria for Unrestricted Release**
  - 25 millirem per year (0.25 millisievert per year)
  - Includes all exposure pathways (e.g., drinking water, land use, soil, etc.)



# LTP Process

- Licensee performs Final Status Surveys (FSSs) that demonstrates that the NRC's license termination criteria have been met
- The licensee's FSS process is inspected by the NRC and NRC performs confirmatory surveys
- The FSS results are compiled in a report that NRC reviews and compares to the NRC's confirmatory survey results
- An Environmental Assessment must be completed and published in the Federal Register before the safety review is finalized.
- The license is terminated if the LTP was followed, and the site meets the license termination criteria as well as the environmental requirements.
- Oyster Creek LTP estimates partial site release scheduled for approximately 2029 (See enclosure 7, [ML25090A172](#)).

# Oyster Creek Decommissioning



- When licensed portion of the NRC license is terminated, that portion of the Oyster Creek Nuclear Generating Station would be released without restrictions.
- Per the LTP, Structures on site will be removed except for the ISFSI and associated structures, Low-Level Radioactive Waste Storage Facility, Oyster Creek Administration Building, Site Emergency Building, Demineralized Water Storage Tank, New Gatehouse Facility, and the Warehouse.





# Oyster Creek Decommissioning

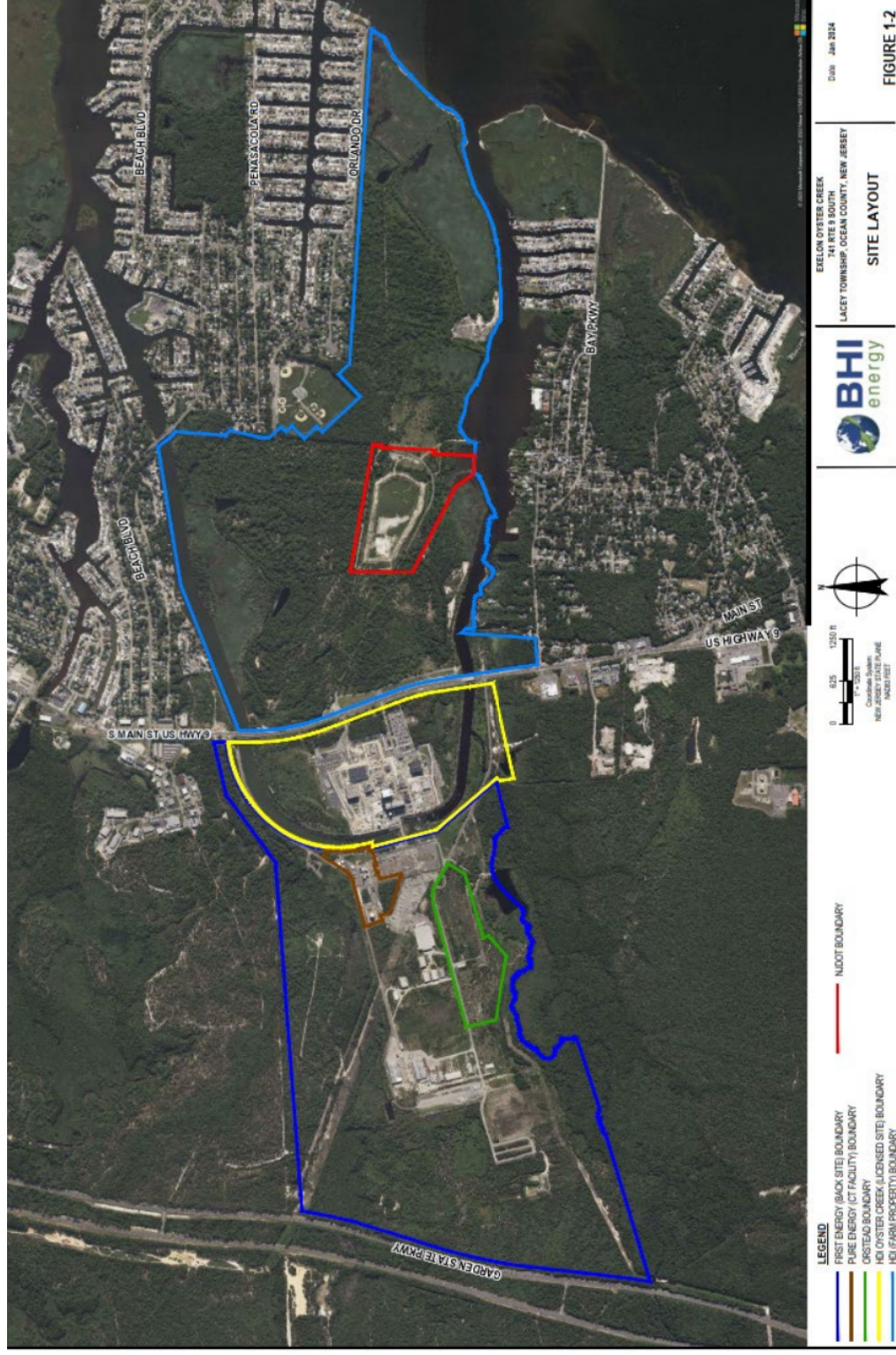


Figure 1-2 Oyster Creek Generating Station Site Layout



# Oyster Creek Decommissioning

ISFSI would remain  
under NRC license and  
Inspection

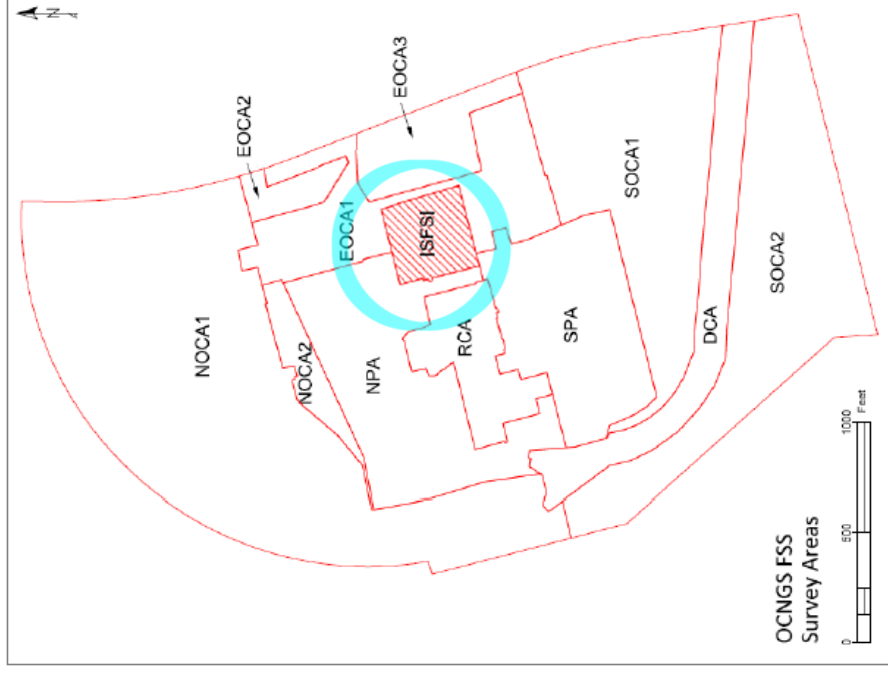


Figure 2-1 Survey Areas Within the OCNGS Site Boundary

# **NRC Inspection Program for Decommissioning Reactors**

**Andrew Taverna, Decommissioning Reactor  
Inspector  
Region I**

# NRC Definition of Decommissioning

- NRC definition of "Decommission": "to remove a facility .... from service and reduce residual radioactivity to a level that permits... Release of the property for unrestricted use and termination of the license."
- Use Inspection Manual Chapter 2561, Decommissioning of Power Reactor Inspection Program



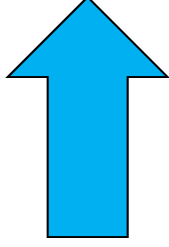
# Reactor Decommissioning

The process of removing a reactor facility safely from the operating mode to a permanent shutdown condition and reducing the residual radioactivity to a level that permits the release of the property for unrestricted use and termination of the license

**BEFORE**



Maine Yankee



**AFTER**



# How NRC Ensures Safety

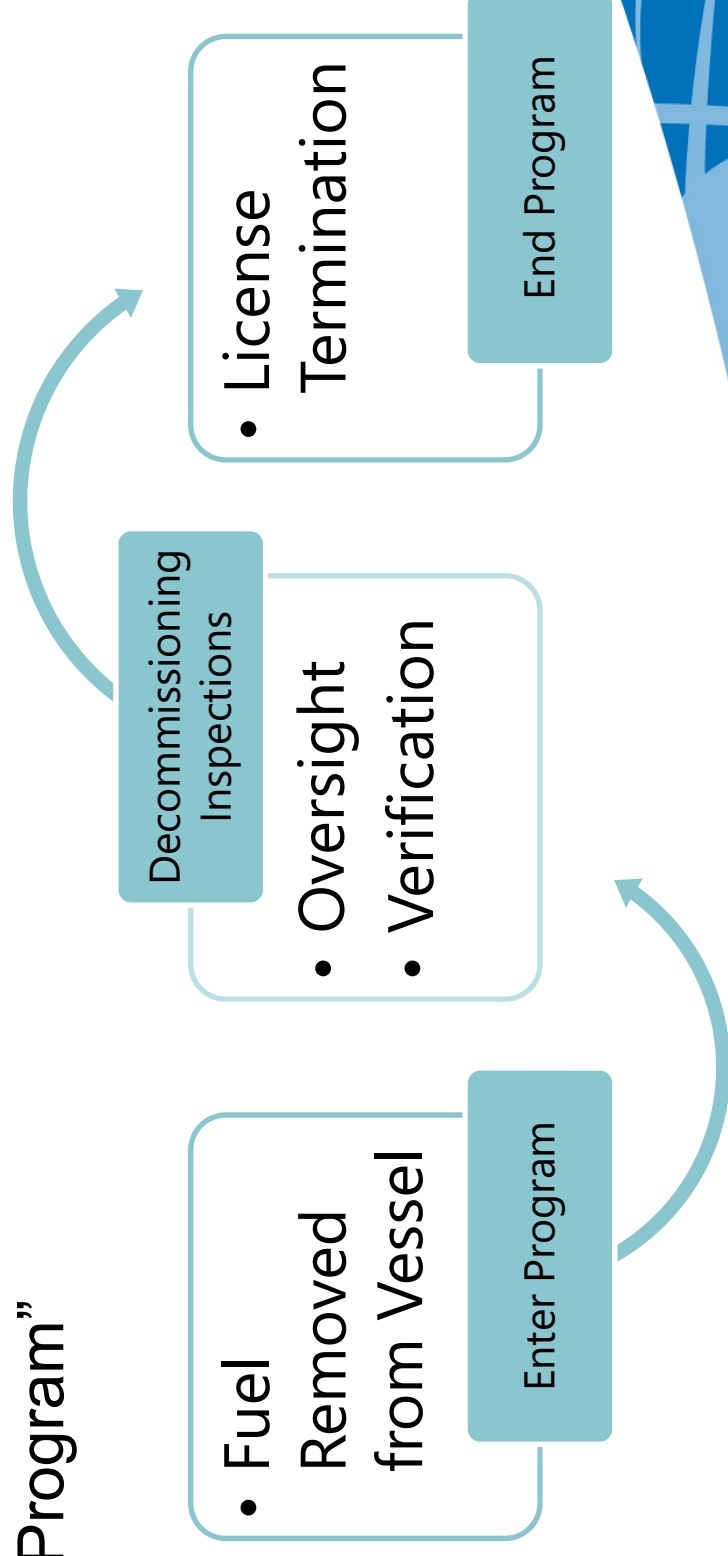
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- Establish and ensure compliance with requirements contained in:
  - Regulations
  - License Base Documents (License Conditions, Technical Specifications)
  - Guidance Documents
- Perform licensing reviews and safety evaluations
- Inspection and enforcement



# Decommissioning Inspection Program

- Process is outlined in Inspection Manual Chapter 2561, “Decommissioning Power Reactor Inspection Program”



# Objectives of the NRC Decommissioning

## **Power Reactor Inspection Program**

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- Objectively verify safe conduct of licensee activities and oversight
- Verify adequacy of licensee controls
- Assess performance and examine trends in licensee safety practices
- Effective allocation of resources for the decommissioning inspection program

- Generally scheduled during stages where higher risk activities are conducted (cutting, hot-work, etc.)
- During and after remediation activities, NRC conducts independent radiological measurements to confirm licensee survey methodologies
- Meetings are held once a month with the licensee, NRC Inspector and Project Manager to ensure site inspections and licensing activities can be reviewed and scheduled



# Inspection Planning and Reports

- Routine inspection schedule
  - Planned about a year in advance
  - Coordinated with the program office in NMSS
- Inspection planning and execution
  - Inspection Plans
  - Inspection Procedures
  - Entrance & Exit Meetings
- Enforcement
  - NRC Enforcement Policy





# Post-Inspection Activities

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- Prompt inspection debrief with NRC management
- Determination of any significant findings and enforcement related issues
- Issue inspection report

Most NRC inspection reports are publicly available.

To locate reports, go to ADAMS web page

<https://adams-search.nrc.gov/home>, use advanced search feature with docket numbers 05000219



# **NRC Inspection Program for Operating Reactors, Decommissioning Reactors and ISFSI**

**Anthony Dimitriadis, Branch Chief**  
**Division of Radiological Safety and Security**  
**Region I**

# When Decommissioning is Complete

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- Partial Site Release
- Spent Fuel will remain on the ISFSI pad with security measures
- NRC will continue to inspect the ISFSI periodically



# Oyster Creek ISFSI





# Oyster Creek ISFSI



# **License Termination Plan (LTP) Review and Public Comment Process**



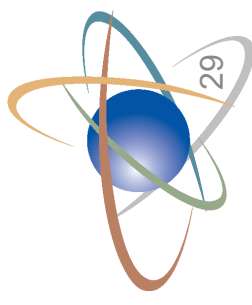
# Oyster Creek LTP Availability

- Accessible electronically from the NRC's Agencywide Documents Access and Management System (ADAMS) Public Library on the NRC website at <https://adams-search.nrc.gov/home>. Use the advanced search feature with docket number 05000219 and the ML numbers below.
- The LTP is available at ADAMS accession numbers:
  - [ML24214A037](#), [ML25086A156](#), [ML25119A267](#) (Package), [ML25133A131](#).
- Acceptance review - accepted by letter dated 6/11/2025 at [ML25129A137](#).
- Persons who do not have access to ADAMS, or who encounter problems in accessing the documents located in ADAMS, should contact the NRC Reference staff by telephone at 1-800-397-4209, or 301-415-4737, or by e-mail at [pdr@nrc.gov](mailto:pdr@nrc.gov).
- Comments on draft no significant hazards determination consideration closed August 7, 2025.
- Hearing Opportunity or petitions closed September 8, 2025.
- Comment period ends October 14, 2025.

# NRC Access Information

- NRC Public Web Site: [www.nrc.gov](http://www.nrc.gov)
- NRC Document Access System: <https://adams-search.nrc.gov/home>
- Public comment system: [www.regulations.gov](http://www.regulations.gov) Docket NRC-2025-0907
- Federal Register Notice: Published August 15, 2025,  
90 FR 39433  
<https://www.federalregister.gov/documents/2025/08/15/2025-15535/holtec-decommissioning-international-llc-oyster-creek-nuclear-generating-station-license-termination>
- Public comments on the license termination plan are due
  - October 14, 2025

# Comments and Questions from the Public



# Making Comments Via Teams

- Please consider calling in via audio only if you are having trouble making comments via the MS Teams connection
  - Webinar number  
<https://events.gcc.teams.microsoft.com/event/7463909c-67ef-4462-837a-69b522880e9f@e8d01475-c3b5-436a-a065-5def4c64f52e>
- **Raise your hand to speak**
  - If you have joined via your computer, please raise your hand to speak by selecting the “raise hand” icon.
  - If you have joined via phone, please press **\*5 to raise your hand**.
- Once the Teams facilitator sees a raised hand, your name will be called and your microphone enabled.
- If you have joined via phone, it will take about 4 seconds - please stand by for the system to instruct you to press **\*6 to unmute your microphone**
- Please introduce yourself and clearly state your name for the transcript.
- After you are done with the allotted time for comments your microphone will be disabled.



# NRC Public Meeting Feedback

<https://www.nrc.gov/pmns/mtg?do=details&Code=20251020>



QR CODE

Meeting code: 20251020



# Closing Remarks

