



# **Oyster Creek Post Shutdown Decommissioning Activities Report (PSDAR) Public Meeting**

**July 17, 2018**

**Lacey Township Community Hall  
Forked River, NJ**

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






# Oyster Creek PSDAR Public Meeting

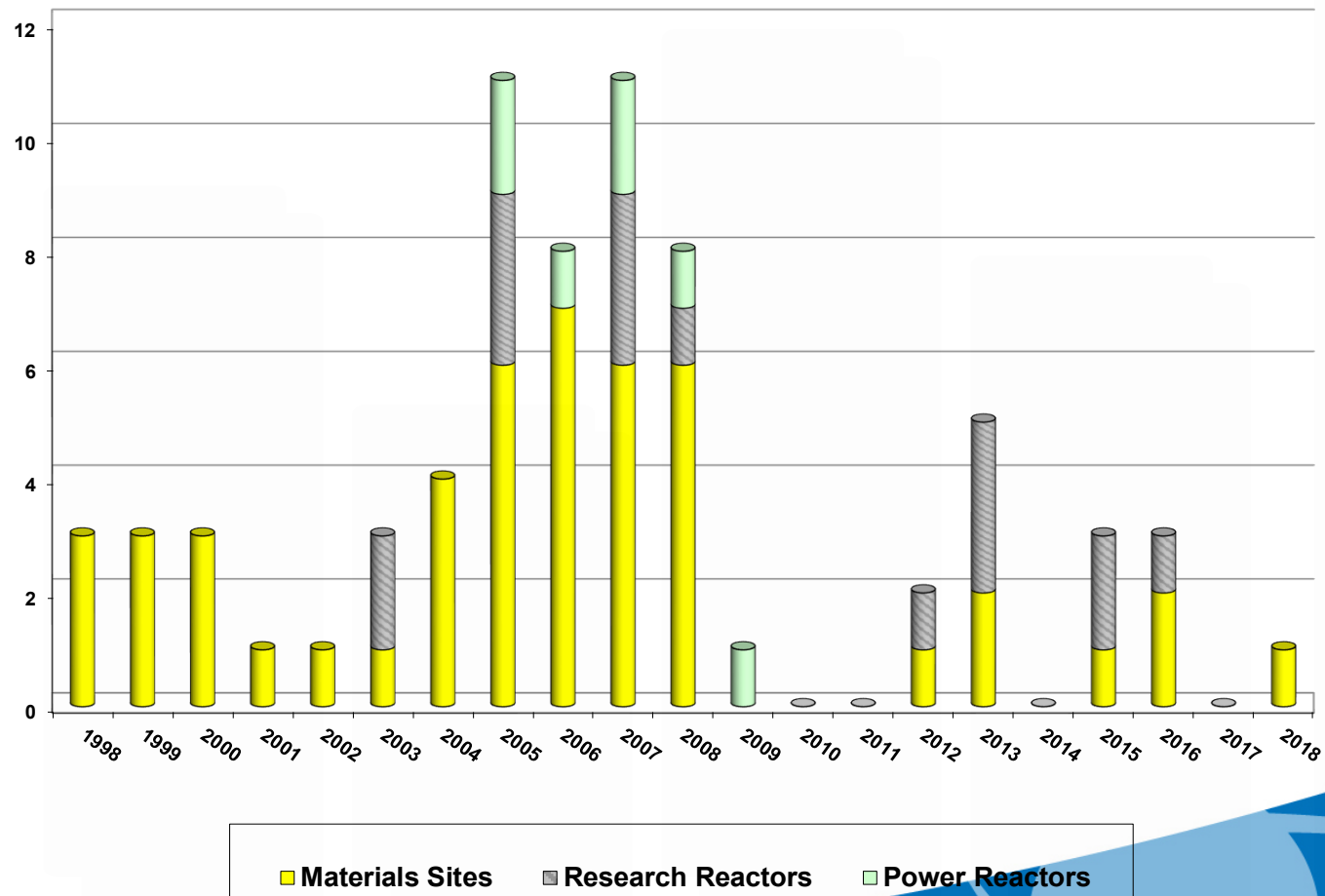
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- NRC Category III Public Meeting
- Meeting Transcription
- Meeting Feedback Forms/Brochures
- Meeting Facilitator and Ground Rules

## Meeting Agenda

- Reactor Decommissioning Process
  - Exelon Oyster Creek PSDAR
  - PSDAR Review Process
  - Comment Period
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# NRC Decommissioning Regulations are over 20 years old





# 1997 NRC

## Decommissioning Regulations

- 10 CFR Part 20 Subpart E “License Termination”
- 10 CFR Part 50 – Power Reactor License
- 10 CFR Part 72 – Independent Spent Fuel Storage Installation License (ISFSI)
- Inspection Manual Chapter 2561 Dedicated to Reactor Decommissioning



# Oyster Creek

## Decommissioning Milestones


- February 2018 – Exelon notification for Oyster Creek to Permanently Cease Operation by October 31, 2018
- May 11, 2018 – PSDAR submitted to NRC and was publically available in ADAMS (ML18141A775)
- June 11, 2018 - NRC published the Federal Register Notice for this PSDAR public meeting ADAMS (ML18149A094)
- NRC also advertised the meeting in local newspapers



# Decommissioning Process

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- **DECON:** Equipment, structures, etc. are promptly removed or decontaminated to a level that permits radiological release (**6** plants in DECON, 4 reactor licenses expected to be terminated by 2020)
  - **SAFSTOR:** Plant placed in a safe, stable condition and maintained in that state until it is subsequently decontaminated to levels that permit radiological release (**14** plants in SAFSTOR)
  - **License Termination Plan** is required within 2 years of requesting license termination
  - **Radiological Decommissioning must be completed within 60 years**
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# Post Shutdown Decommissioning Activities Report Contents (10 CFR 50.82 – Regulatory Guide 1.185)

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- A description and schedule for the planned decommissioning activities
- A site-specific decommissioning cost estimate, including the costs of managing irradiated fuel
- A discussion that provides the means for concluding that the environmental impacts associated with the decommissioning activities will be bounded by appropriately issued Environmental Impact Statements





# Power Reactor Decommissioning Process – Post Shutdown Decommissioning Activities Report

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- NRC regulations require that a public meeting be held in the vicinity of the facility to discuss the PSDAR and its contents, as well as to solicit comments
- NRC shall make the PSDAR available for public comment (ADAMS ML18141A775)
- NRC does not approve the PSDAR
- Licensee may begin major decommissioning activities 90 days after NRC receives the PSDAR



# Summary

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- Experienced NRC Reactor Decommissioning Regulatory Program
  - ✓ Decommissioning Regulations
  - ✓ Decommissioning Technical Guidance
- Proven NRC Decommissioning Oversight
  - ✓ Licensing Requirements
  - ✓ Inspection Program

For more Information [www.nrc.gov](http://www.nrc.gov) and search decommissioning



# BACKUP SLIDE



# Oyster Creek PSDAR Summary

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- 2018 Decom Fund has \$982 M for radiological decommissioning and Spent Fuel Management
  - SAFSTOR & complete decommissioning by 2078
  - Estimates \$1.1 B for decommissioning, \$290 M for Spent Fuel Management and \$60 M for site restoration
  - The decommissioning activities will remain within the previous approved Environmental Impact Statements
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