

2020 Annual Assessment Webinar

***Beaver Valley – Calvert Cliffs
Limerick – Peach Bottom – Susquehanna
Hope Creek – Salem
FitzPatrick – Ginna – Nine Mile Point***

**Nuclear Regulatory Commission - Region I
King of Prussia, PA
June 16, 2021**



Panelists



Jonathan Greives

Branch Chief

Branch 4

Limerick

Peach Bottom

Susquehanna



Brice Bickett

Branch Chief

Branch 3

Salem

Hope Creek



Erin Carfang

Branch Chief

Branch 1

GINNA

FitzPatrick

Nine Mile Point



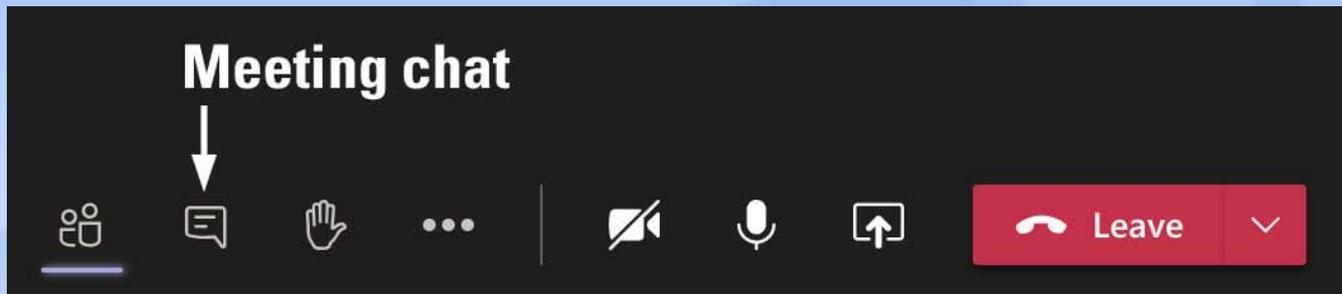
Meeting Conduct

- **All participants will be muted during presentations by NRC staff**
- **The chat is enabled to allow you to ask questions during the meeting.**
- **We encourage mutual respect on the part of NRC staff and attendees.**



How to Ask a Question

- **Type in your question at any time using Microsoft Teams.**



- or -

- **You can wait until the question-and-answer session to ask your question out loud**

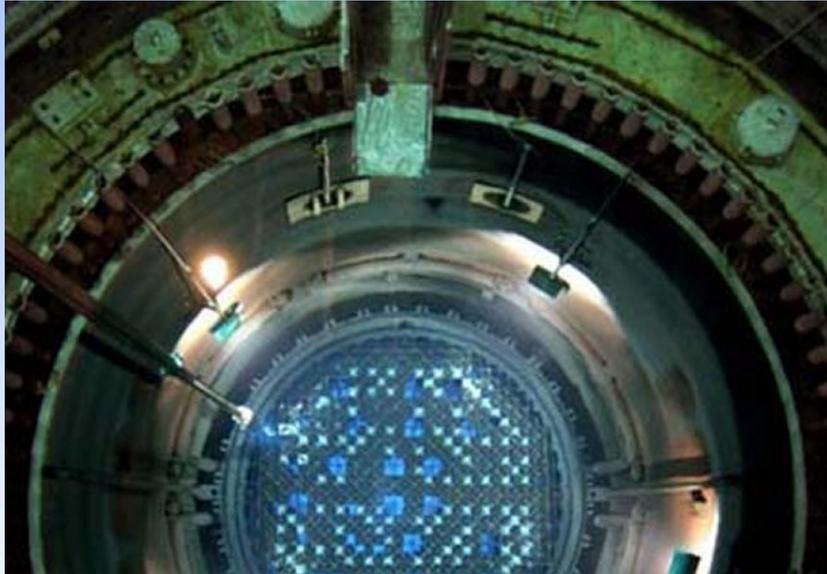


Agenda

- **Reactor Oversight Process (ROP)**
- **COVID-19 Response**
- **2020 Safety Performance Overview**
 - Beaver Valley
 - Calvert Cliffs
 - Limerick
 - Peach Bottom
 - Susquehanna
 - Hope Creek
 - Salem
 - Ginna
 - Nine Mile Point
 - FitzPatrick
- **Question-and-answer Session**



Our Mission

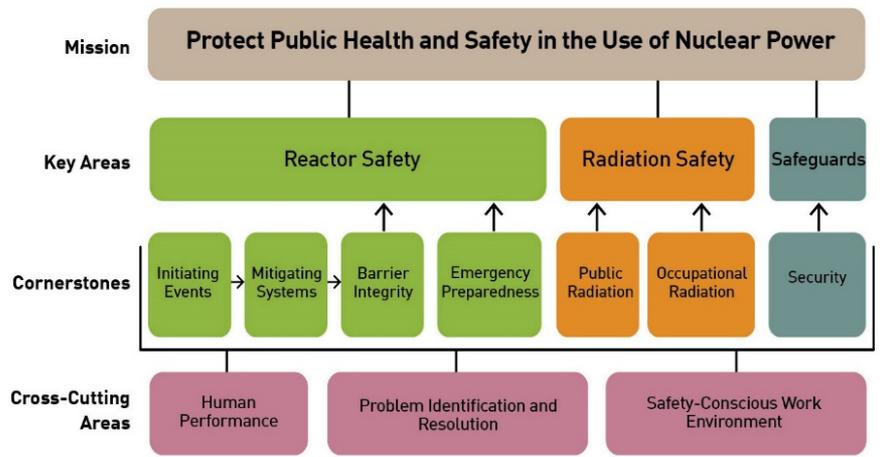


To license and regulate the Nation's civilian use of radioactive materials to provide reasonable assurance of adequate protection of public health and safety and to promote the common defense and security and protect the environment.



Reactor Oversight Process

Reactor Oversight Framework



as of July 2015



Reactor Oversight Action Matrix Performance Indicators

Performance Indicators



Inspection Findings



as of July 2015

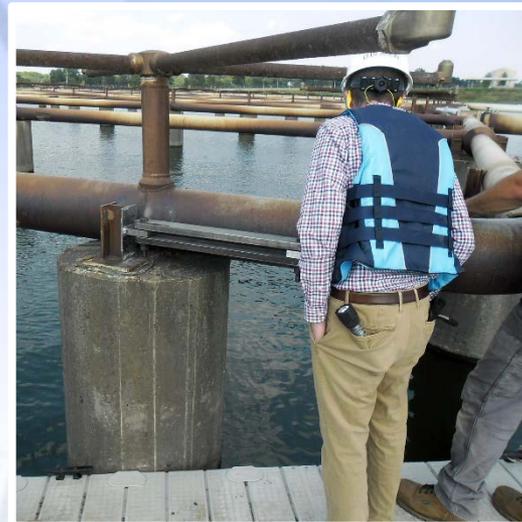




NRC Independent Safety Inspections

Reactor Oversight Process

- NRC inspectors have unfettered access to all plant activities related to nuclear safety and security





Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone	Unacceptable Performance
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Inspection Findings + Performance Indicators = Plant Assessment

Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions



NRC Actions in Response to Covid-19

- **Accomplished both onsite and remote oversight activities during the ongoing public health emergency, while taking precautions to minimize exposure to COVID-19**
- **Some inspections were conducted remotely at plants given the enhanced ability to do remote inspection in combination with targeted on-site inspection aspects**
- **As conditions have improved, we have increased our on-site inspection presence**
- **The Agency maintained emergency response capabilities within Regional Incident Response Centers and HQ**



Actions in Response to Covid-19





NRC Relief/Exemptions Due to COVID-19

- **Temporary flexibility that maintained continued safe and secure operation, while supporting the national priority of reducing the spread of COVID-19**
- **Some of these exemptions include:**
 - **Deferral of some outage-related inspection activities**
 - **Exemption to work hour restrictions in 10 CFR Part 26**
 - **Exemption from performing annual security training per 10 CFR Part 73**
- **More information can be found on the NRC webpage:**
<https://www.nrc.gov/about-nrc/covid-19/reactors/>



Beaver Valley Resident Inspectors



Gwynne Eatmon

Senior Resident Inspector



Ronald Rolph

Resident Inspector



Beaver Valley 2020 Assessment Summary

- **Operated safely**
- **Licensee Response Column**
- **5608 hours of inspection and related activities**
- **Green Performance Indicators**
- **4 Green Findings and 1 Severity Level IV Violation**
- **Baseline inspection in 2021**





Calvert Cliffs Resident Inspectors



Rodney Clagg
Senior Resident Inspector



Sarah Obadina
Resident Inspector



Calvert Cliffs 2020 Assessment Summary

- **Operated safely**
- **Licensee Response Column**
- **6118 hours of inspection and related activities**
- **Green Performance Indicators**
- **3 Green Findings and 1 Severity Level IV Violation**
- **Baseline inspection in 2021**





Limerick Resident Inspectors



Adam Ziedonis
Senior Resident Inspector



Sherlyn Haney
Resident Inspector



Limerick

2020 Assessment Summary

- **Operated Safely**
- **Licensee Response Column**
- **6776 hours of inspection and related activities**
- **Green Performance Indicators**
- **2 Green Findings and 2 Severity Level IV Violations**
- **Baseline inspection in 2021**





Peach Bottom Resident Inspectors



Scott Rutenkroger
Senior Resident Inspector



Peter Boguszewski
Resident Inspector



Peach Bottom 2020 Assessment Summary

- **Operated Safely**
- **Licensee Response Column**
- **6026 hours of inspection and related activities**
- **Green Performance Indicators**
- **5 Green Findings and Non-Cited Violations**
- **Baseline inspection in 2021**





Susquehanna Resident Inspectors



Christopher Highley
Senior Resident Inspector



Matthew Rossi
Resident Inspector



Susquehanna 2020 Assessment Summary

- **Operated Safely**
- **Licensee Response Column**
- **5173 hours of inspection and related activities**
- **Green Performance Indicators**
- **2 Green Findings and 1 Severity Level IV Violation**
- **Baseline inspection in 2021**





Salem Resident Inspectors



Justin Hawkins
Senior Resident Inspector



Gordon Walbert
Resident Inspector



Salem **2020 Assessment Summary**

- **Operated Safely**
- **Licensee Response Column**
- **6681 hours of inspection and related activities**
- **Green Performance Indicators**
- **4 Green Findings and No Violations**
- **Baseline inspection in 2021**





Hope Creek Resident Inspectors



Matthew Hardgrove
Senior Resident Inspector

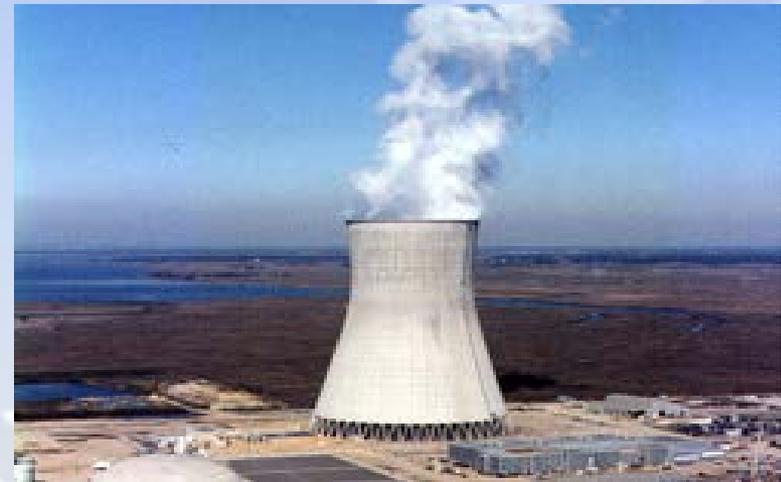


Daniel Beacon
Resident Inspector



Hope Creek 2020 Assessment Summary

- **Operated Safely**
- **Licensee Response Column**
- **4462 hours of inspection and related activities**
- **Green Performance Indicators**
- **2 Green Findings and No Violations**
- **Baseline inspection in 2021**





Ginna Resident Inspectors



Jason Schussler
Senior Resident Inspector



Stephen Monarque
Resident Inspector



Ginna

2020 Assessment Summary

- **Operated Safely**
- **Licensee Response Column**
- **7524 hours of inspection and related activities**
- **Green Performance Indicators**
- **No Findings and No Violations**
- **Baseline inspection in 2021**





Nine Mile Point Resident Inspectors



Greg Stock
Senior Resident Inspector



Beth Siemel
Resident Inspector



Jake Dolecki
Resident Inspector



Nine Mile Point 2020 Assessment Summary

- **Operated Safely**
- **Licensee Response Column**
- **7819 hours of inspection and related activities**
- **Green Performance Indicators**
- **1 Green Finding and 3 Green NCVs**
- **Baseline inspection in 2021**





James A. FitzPatrick ***Resident Inspectors***



Eric Miller
Senior Resident Inspector



Jennifer England
Resident Inspector



James A. FitzPatrick

2020 Assessment Summary

- **Operated Safely**
- **Regulatory Response Column (4Q 2020)**
- **6889 hours of inspection and related activities**
- **1 White NOV**
- **Green Performance Indicators**
- **2 Green Findings, 6 Green NCVs, & 1 Severity Level IV Violation**





James A. FitzPatrick

2020 White NOV

- **April 10, 2020 – Oil leak developed from a pressure-control valve diaphragm during a test of the High Pressure Coolant Injection (HPCI) oil system.**
- **The leak resulted from a defective component that was the subject of a 10 CFR Part 21 notice in July 2010.**
- **Not identified by Exelon staff prior to installation in December 2017.**



James A. FitzPatrick

2020 White NOV

- **Inspection Report 2020012**
- **Finding of low to moderate safety significance (White)**
- **Two associated apparent violations**
 - **Title 10 of the *Code of Federal Regulations* (CFR) Part 50, Appendix B, Criterion XV, "Nonconforming Materials, Parts, or Components,"**
 - **10 CFR Part 50, Appendix B, Criterion VII, "Control of Purchased Material, Equipment, and Services," because Exelon failed to control defective parts and prevent their use.**



James A. FitzPatrick

2020 White NOV

- **Exelon Corrective Actions**
 - Replacement of the pressure-control valve
 - Review of parts database to assess other components subject to 10 CFR Part 21
 - Procedure update for parts subject to Part 21
 - Communications with procurement staff on the event



James A. FitzPatrick

Regulatory Response

Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone	Unacceptable Performance
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- **As of the fourth quarter of 2020, FitzPatrick transitioned to the Regulatory Response Column based on the White Finding related to the HPCI pressure-control valve.**
- **In addition to the normal baseline inspection, a supplemental inspection under NRC Inspection Procedure 95001 will be conducted.**



Supplemental Meeting Feedback

We are looking for specific feedback
on the format of this meeting



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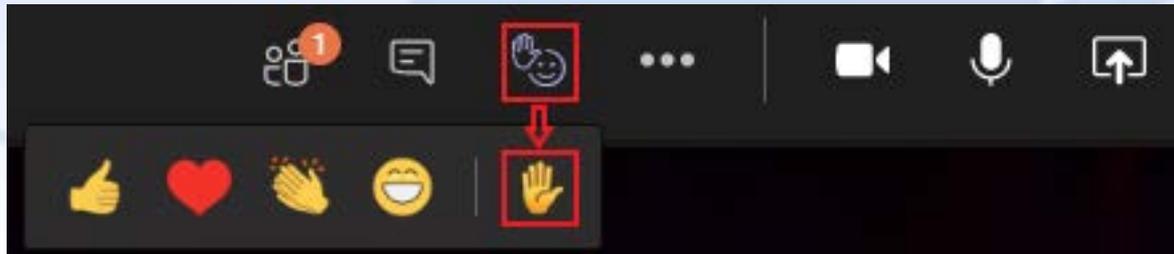


Question-and-Answer Session

Type in your question at any time via the Microsoft Teams chat function

- or -

Raise your hand in Microsoft Teams.





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NRC Social Media Channels



- Facebook: www.facebook.com/nrcgov/
- Flickr: www.flickr.com/photos/nrcgov/
- Twitter: twitter.com/#!/nrcgov
- YouTube: www.youtube.com/user/NRCgov
- RSS: www.nrc.gov/public-involve/listserver.html#rss



More Information

- **Inspection Reports**
 - <https://www.nrc.gov/reactors/operating/oversight/listofrpts-body.html>
- **Reactor Oversight Process**
 - <https://www.nrc.gov/reactors/operating/oversight.html>
- **Fact Sheets and Brochures**
 - <https://www.nrc.gov/reading-rm/doc-collections/fact-sheets/>
- **NRC Information Digest**
 - <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>
- **Regulations**
 - <https://www.nrc.gov/reading-rm/doc-collections/cfr/>



Supplemental Meeting Feedback

We are looking for specific feedback
on the virtual format of this meeting



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