

NORTH ANNA SURRY

2023 Annual Assessment Meeting

Reactor Oversight Process
Nuclear Regulatory Commission – Region II

Purpose



**Discuss licensee
performance in 2023**



**Address Findings and
Performance Indicators**



**Information Meeting
with a Q&A Session**

Agenda

- Introductions
- NRC Mission Statement and Strategic Goals
- NRC Resident Inspector Program
- Reactor Oversight Process Review
- Annual Assessment Summary
 - North Anna
 - Surry
- Questions/Answers

Introductions

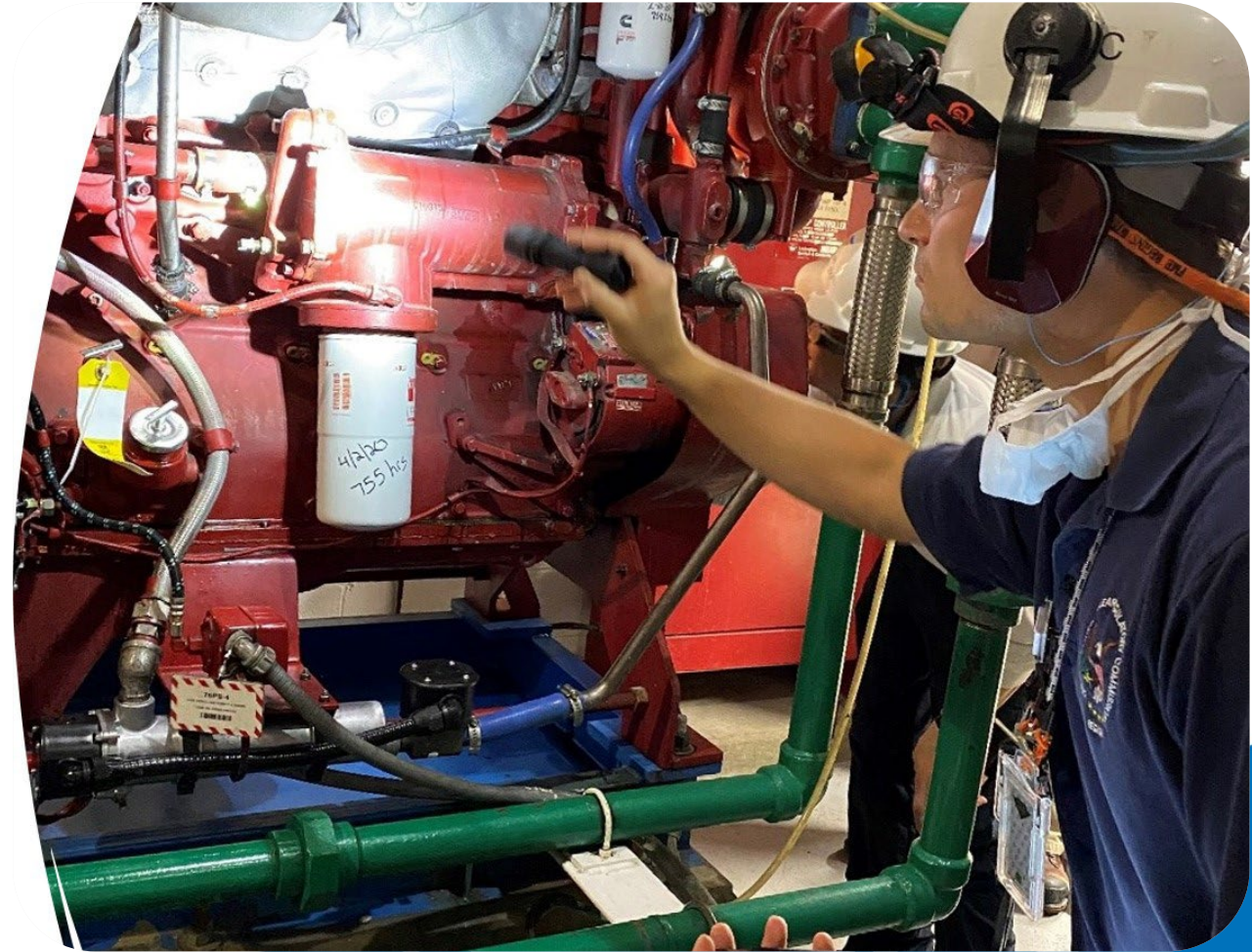
- North Anna Resident Inspectors
 - Kenya Carrington – Senior Resident Inspector
 - Daniel Turpin – Resident Inspector
- Surry Resident Inspectors
 - Silas Kennedy – Senior Resident Inspector
 - Derrick Jung – Resident Inspector
- Regional Personnel
 - Matt Fannon – Branch Chief
 - Adam Wilson – Senior Project Engineer
 - Jamin Seat – Senior Project Engineer

NRC Mission Statement and Strategic Goals

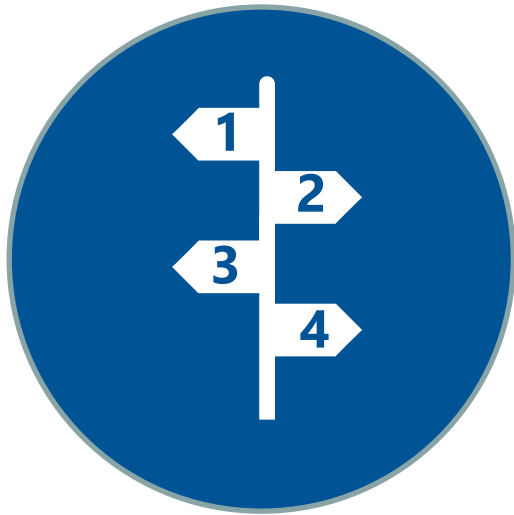
- The NRC licenses and regulates the Nation's civilian use of radioactive materials to provide reasonable assurance of adequate protection of public health and safety and to promote the common defense and security and to protect the environment
- Safety Strategic Goal – Ensure the safe use of radioactive materials
- Security Strategic Goal – Ensure the secure use of radioactive materials

Resident Inspector Program

- Resident inspectors live in the communities they serve
- Perform inspections onsite at North Anna and Surry
- Provide daily oversight of plant activities, including the control room
- Routinely discuss safety concerns with plant personnel and senior management
- Observe emergency drills and provide support to NRC decision makers for actual emergencies or emergent issues



NRC Reactor Oversight Process



**Implemented in each
of the NRC's four
regions**

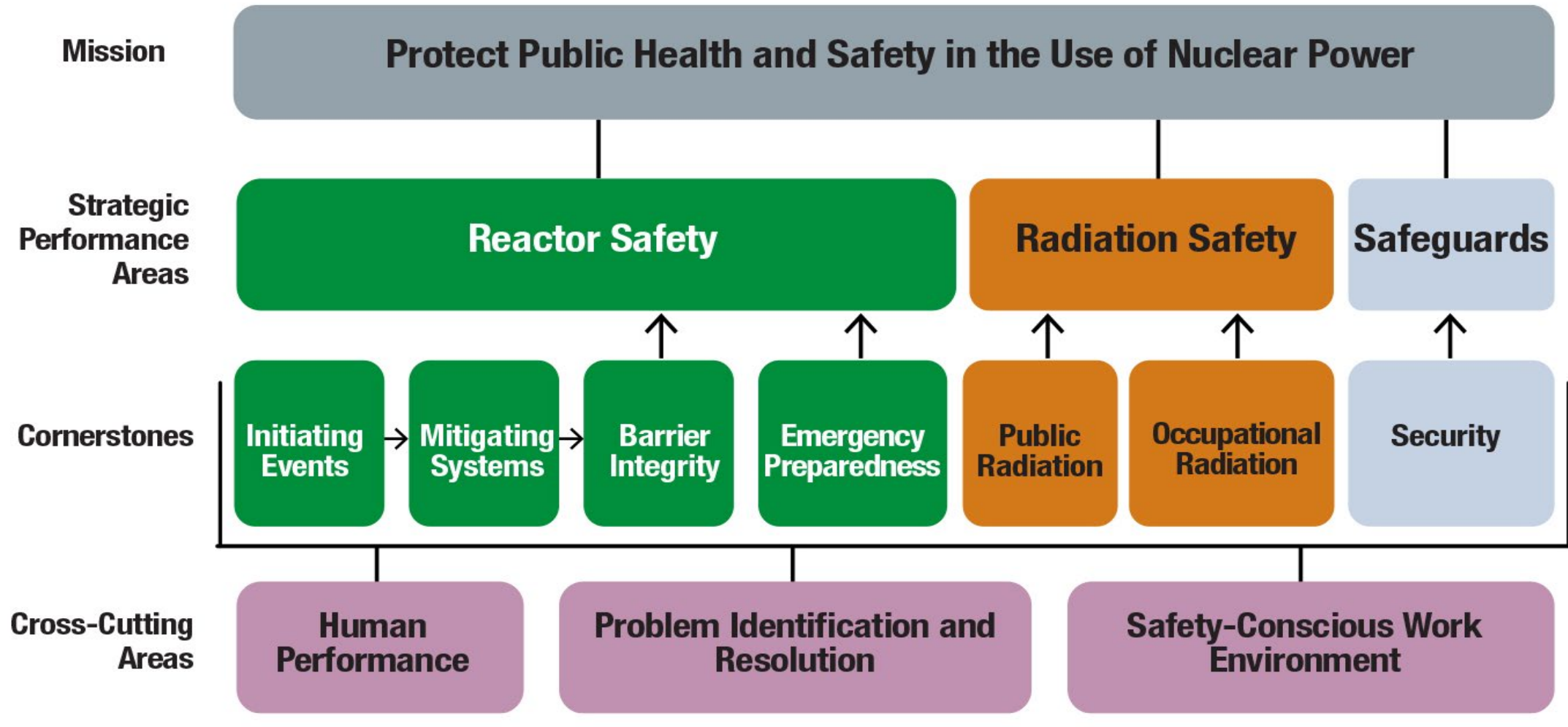


**Involves inspection and
assessment activities**



**Executed by regional
and resident inspectors**

Reactor Oversight Framework



Reactor Oversight Inputs and Oversight

INCREASING SAFETY SIGNIFICANCE

	GREEN	WHITE	YELLOW	RED
Performance Indicators	Performance within an expected level; Cornerstone objectives are met	Performance outside expected range; Cornerstone objectives are still being met	Related cornerstone objectives are being met; Minimal reduction in the safety margin	Signals a significant reduction in safety margin in the area measured
Findings	Very low safety or security significance	Low to moderate safety or security significance	Substantial safety or security significance	High safety or security significance
Oversight	Baseline Inspection	Requires additional NRC oversight	Requires more NRC oversight	Requires most NRC oversight

INCREASING NRC OVERSIGHT

NRC Annual Assessment Summary

North Anna Power Station



NRC Annual Assessment Summary

North Anna Power Station

- Dominion/North Anna operated the plant safely and in a manner that preserved the public health and safety and protected the environment
- North Anna Units 1 and 2 were in the Licensee Response Column of the NRCs ROP Action Matrix for all of 2023
- NRC plans to conduct routine baseline inspections at North Anna for 2024

NRC Inspection Activities

North Anna for 2023

- Approximately 5826 hours of inspection and related activities
- Two resident inspectors assigned for onsite inspection coverage throughout the year
- Ten regional inspections

North Anna Pls and Findings

January 1 through December 31, 2023

- All Green Performance Indicators
- Four Green inspection findings

Reactor Oversight Action Matrix Performance Indicators

Performance Indicators



Increasing Safety Significance →

Inspection Findings



Increasing Safety Significance →

NRC Inspection Findings

North Anna

- Corrective Actions to Verify Material Characteristics of Item Procured Not Consistent with Procurement Technical Evaluation (Inspection Report (IR) 2023011)
- Three findings identified in the Security Cornerstone (IR 2023403)

NRC Annual Assessment Summary

Surry Power Station



NRC Annual Assessment Summary

Surry Power Station

- Dominion/Surry operated the plant safely and in a manner that preserved the public health and safety and protected the environment
- Surry Units 1 and 2 were in the Licensee Response Column of the NRC's ROP Action Matrix for all of 2023
- NRC plans to conduct routine baseline inspections at Surry for 2024

NRC Inspection Activities

Surry Power Station for 2023

- Approximately 5875 hours of inspection and related activities
- Two resident inspectors assigned for onsite inspection coverage throughout the year
- Eight regional inspections

Surry PIs and Findings

January 1 through December 31, 2023

- All Green Performance Indicators
- Seven Green Inspection Findings

Reactor Oversight Action Matrix Performance Indicators

Performance Indicators



Increasing Safety Significance →

Inspection Findings



Increasing Safety Significance →

NRC Inspection Findings

Surry (1 of 2)

- Non-functional Fire Barrier associated with Unit 1 Cable Tray Room (IR 2023004)
- Failure to Effectively Monitor Maintenance Rule Scoped Components (IR 2023004)
- Transient Combustibles Stored in Restricted Areas (IR 2023003)
- Failure to Manage the Risk During “2J” Emergency Bus and #3 Emergency Diesel Generator Maintenance (IR 2023002)

NRC Inspection Findings

Surry (2 of 2)

- Non-Functional Fire Barrier Associated With Unit 1 Emergency Switchgear Room (IR 2023002)
- Transient Combustibles Stored in Restricted Areas (IR 2023001)
- Failure to Ensure Replacement Parts were the Appropriate Parts Prior to Installation (IR 2023001)

Questions for the NRC?

North Anna

Senior Resident Inspector – Kenya.Carrington@nrc.gov | 404.997.5191

Main Office – 404.997.5190

Surry

Senior Resident Inspector – Silas.Kennedy@nrc.gov | 404.997.5261

Main Office – 404.997.5260

Getting in Touch with the NRC

- Website – www.nrc.gov
- Report an Emergency – 301-816-5100
- Safety Concern or Allegations – 1-800-695-7403 | allegation@nrc.gov
- Questions/Information – 404-997-4417 | OPA2.Resource@nrc.gov

NRC Social Media

STAY CONNECTED



- Twitter: <https://twitter.com/nrcgov>
- Facebook: <https://www.facebook.com/nrcgov/>
- YouTube: <https://www.youtube.com/user/NRCgov>
- Flickr: <https://www.flickr.com/photos/nrcgov/sets>
- LinkedIn: <https://www.linkedin.com/company/u-s--nuclear-regulatory-commission/>
- GovDelivery: <https://service.govdelivery.com/accounts/USNRC/subscriber/new>

Questions and Feedback

Questions From Teams: Please raise your hand, and we will call on you

For those on the phone: Press *6 to unmute

PUBLIC MEETING FEEDBACK FORM:

Use the QR code or

Navigate to <https://feedback.nrc.gov/pmfs/>



Nuclear Regulatory Commission | Region II

April 30, 2024