

V.C. Summer Nuclear Station 2023 Annual Assessment Meeting

Reactor Oversight Process
Nuclear Regulatory Commission – Region 2
April 22, 2024

Meeting's 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
- Question and Answer Session



Introductions

- V.C. Summer Resident Inspectors
 - Carey (Mac) Read – Senior Resident Inspector
 - KD Dials – Resident Inspector

- Regional Personnel
 - Ryan Taylor – Branch Chief



NRC Mission Statement



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, to promote the common defense and security, and to protect the environment.



NRC Strategic Goals



- 1) Ensure the safe and secure use of radioactive materials
- 2) Continue to foster a healthy organization
- 3) Inspire stakeholder confidence in the NRC

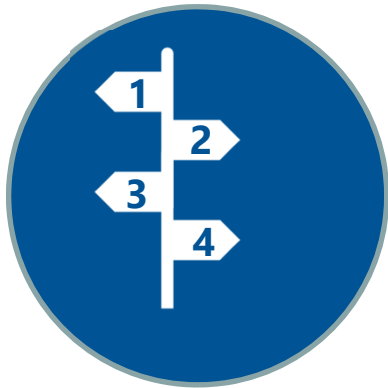


Resident Inspector Program

- Resident inspectors live in the communities they serve
- Perform onsite inspections
- 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 urgent issues



Reactor Oversight Process (ROP)



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



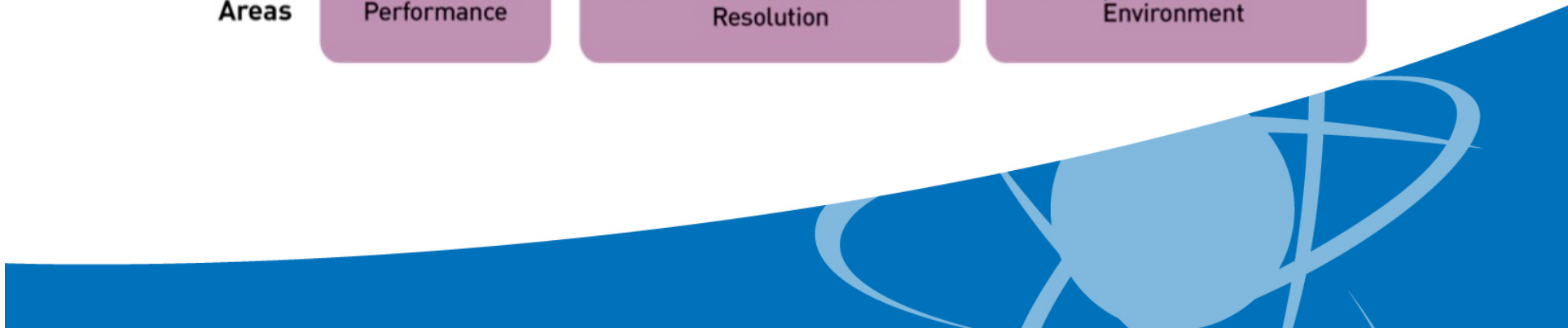
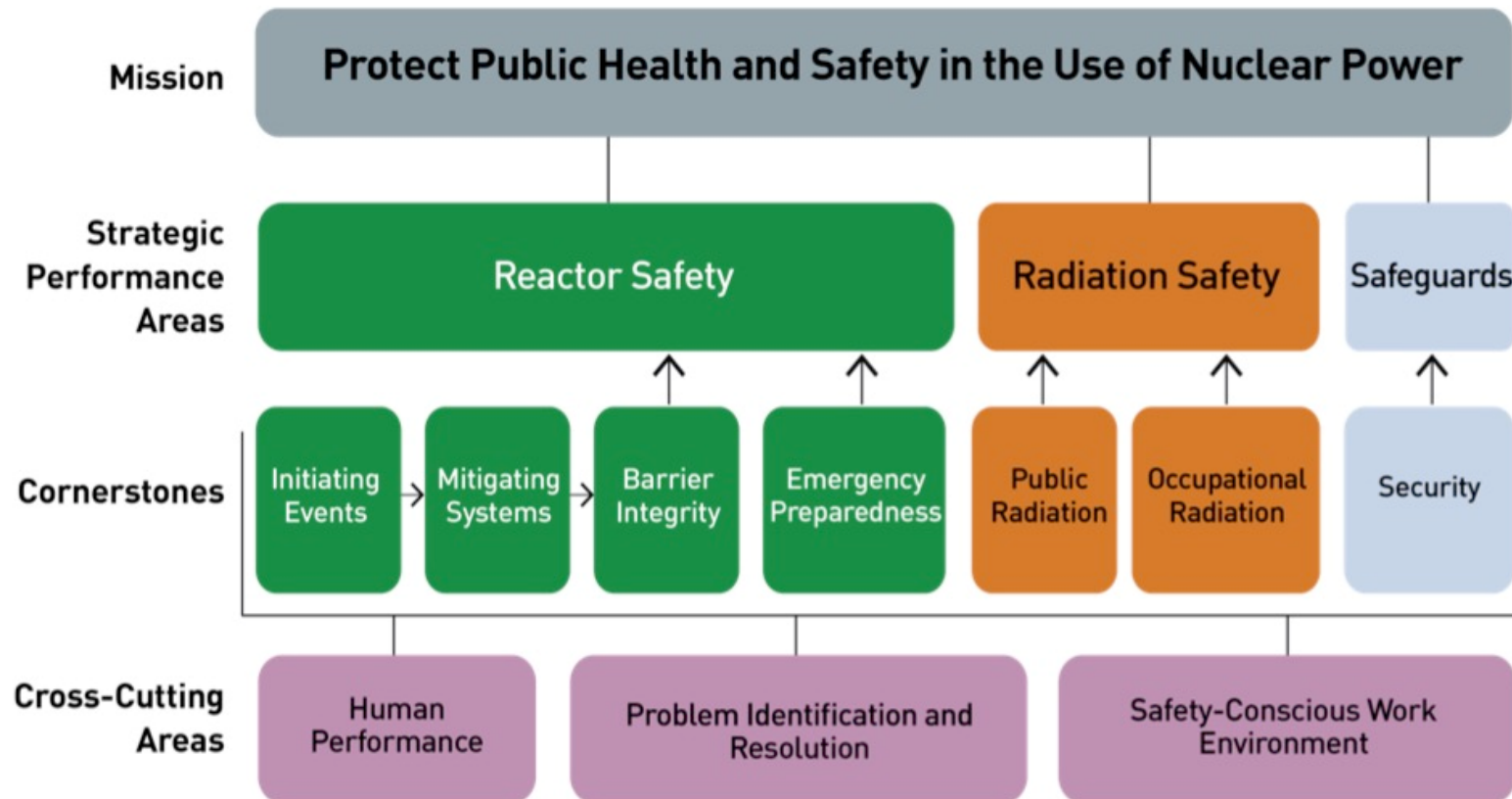
**Involves inspection
and assessment
activities**



**Executed by
regional and
resident inspectors**



ROP Framework



ROP Assessment Inputs

Inspection Findings

- NRC develops findings from inspections
- Findings evaluated for safety significance using a significance determination process

GREEN

Very low safety or security significance finding

WHITE

Low to moderate safety or security significance finding

YELLOW

Substantial safety or security significance finding

RED

High safety or security significance finding



ROP Assessment Inputs

Performance Indicators (PIs)

- Licensees collect PI data (17 PIs total)
- PI data reported to the NRC quarterly
- PI data evaluated & integrated with inspection findings to develop NRC's assessment of licensee performance

GREEN

Performance within an expected level

WHITE

Performance outside expected range

YELLOW

Minimal reduction in the safety margin

RED

Signals a significant reduction in safety margin in the area measured



Action Matrix Concept

Licensee Response (Column 1)	Regulatory Response (Column 2)	Degraded Performance (Column 3)	Multiple/Repetitive Degraded Cornerstone (Column 4)	Unacceptable Performance (Column 5)
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Increasing:

- Safety Significance
- Inspection
- Management Involvement
- Regulatory Action



NRC Annual Assessment Summary

V.C. Summer Nuclear Station



NRC Annual Assessment Summary



- Dominion operated V.C. Summer safely and in a manner that preserved the public health and safety and protected the environment.
- VC Summer performance at the beginning of the 2023 assessment cycle was in the Regulatory Response column (Column 2), due to two White findings originating in the first and third quarters of 2022. The unit transitioned to the Licensee Response column (Column 1) on June 8, 2023, following successful completion of two supplemental inspections (95001) associated with the two White findings.

NRC Annual Assessment Summary (continued)



- VC Summer performance during the fourth quarter of 2023 was determined to be within the Regulatory Response column (Column 2) due to one White inspection finding having low to moderate safety significance in the Mitigating Systems cornerstone, which was issued on December 21, 2023.
- In addition to ROP baseline inspections, V.C. Summer received increased oversight in the form of a supplemental inspection in accordance with Inspection Procedure 95001. The scheduled 95001 inspection was completed in March 2024; therefore, baseline inspection is planned for the remainder of 2024.

NRC Inspection Activities

V.C. Summer for 2023

- Approximately 3,800 hours of direct inspection and related activities
- Resident inspectors onsite performed daily oversight activities and documented baseline inspection results on a quarterly basis
- Regional team inspections included:
 - Commercial Grade Dedication Inspection
 - Problem Identification & Resolution Inspection
 - Two 95001 inspections
 - Material Control and Accounting Inspection



V.C. Summer PIs and Findings

January 1 through December 31, 2023

- All Performance Indicators were Green (no performance thresholds exceeded)
- Two Green findings and one White finding

Performance Indicators



Inspection Findings



NRC Inspection Findings

VC Summer 2022

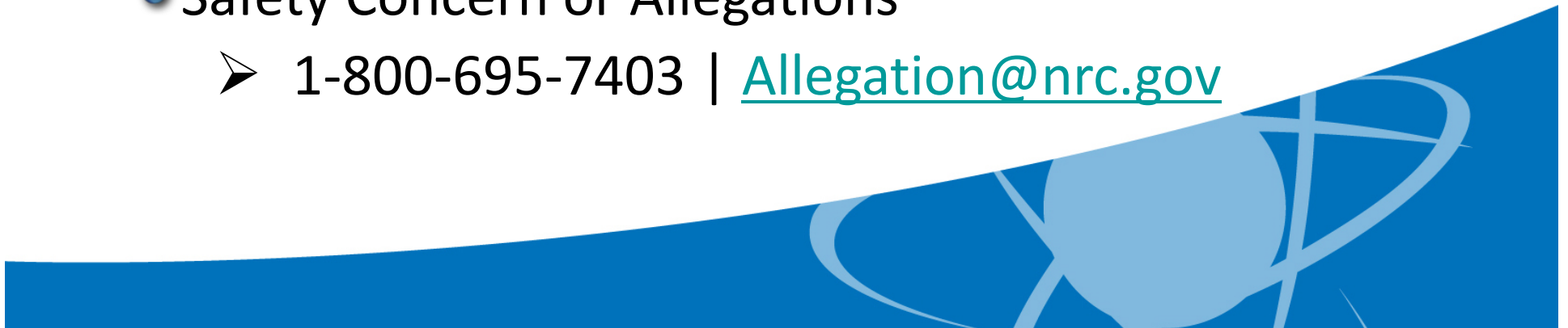


- Inspection Report 2023-002
 - Failure to Manage Scaffold Risk During Scaffold Removal Activities
- Inspection Report 2023-004
 - Failure to Properly Assemble Main Feedwater Pump Bearing Wear Detector Resulting in Pump Trip and Manual Reactor Trip
- Inspection Report 2023-091
 - Failure to Identify and Correct a Condition Adverse to Quality Associated with the Emergency Diesel Generator (EDG) Fuel Oil System (White)

Getting in Touch with the NRC



- General information or questions
 - NRC Public Website – www.nrc.gov
 - Region II Public Affairs
404-997-4417 | OPA2.Resource@nrc.gov
- Report an Emergency
 - 301-816-5100 (collect calls accepted)
- Safety Concern or Allegations
 - 1-800-695-7403 | Allegation@nrc.gov



Questions about V.C. Summer?

Senior Resident Inspector – Carey (Mac) Read

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Main Office – 404.997.5250



NRC Social Media



STAY CONNECTED



- Facebook: <https://www.facebook.com/nrcgov/>
- Instagram: <https://www.instagram.com/nrcgov>
- Twitter / X: <https://twitter.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/mycompany/>
- GovDelivery: <https://service.govdelivery.com/accounts/USNRC/subscriber/new>



Questions and Feedback



Public Meeting Feedback Form:

1. Form available during meeting

OR

2. Electronically

<https://feedback.nrc.gov/pmfs/feedback/form?meetingCode=20240XXX>

Nuclear Regulatory Commission | Region II

April 22, 2024

