

V.C. SUMMER UNIT 1

2021 Annual Assessment Meeting

Reactor Oversight Process
Nuclear Regulatory Commission – Region II

Purpose



**Discuss licensee
performance in 2021**



**Address Findings and
Performance Indicators**



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

Agenda



- Introductions
- NRC Mission Statement and Strategic Goals
- NRC Resident Inspector Program
- NRC COVID-19 Response
- Reactor Oversight Process Review
- Annual Assessment Summary
- Questions/Answers

Introductions



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

- Regional Personnel
 - David Dumbacher – Branch Chief
 - Jeffrey Hamman – 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 Summer
- 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



NRC Response to COVID-19



**Monitor plant activities
through inspections &
oversight**



**Maintain emergency
response capabilities**



**Risk-inform
"eyes on" inspections**



NRC Response to COVID-19



**Expanded use of telework
where appropriate**



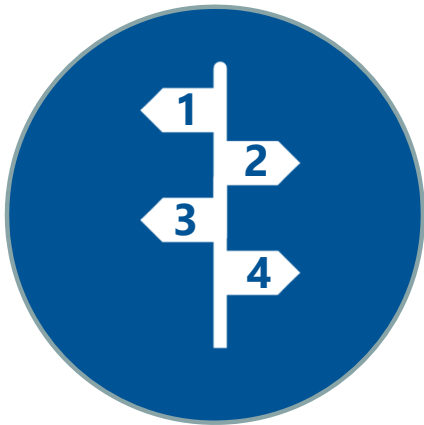
**Maintained Continuity
of Operations**



**Coordinated w/ industry
on best practices**

<https://www.nrc.gov/about-nrc/covid-19/index.html>

NRC Reactor Oversight Process



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

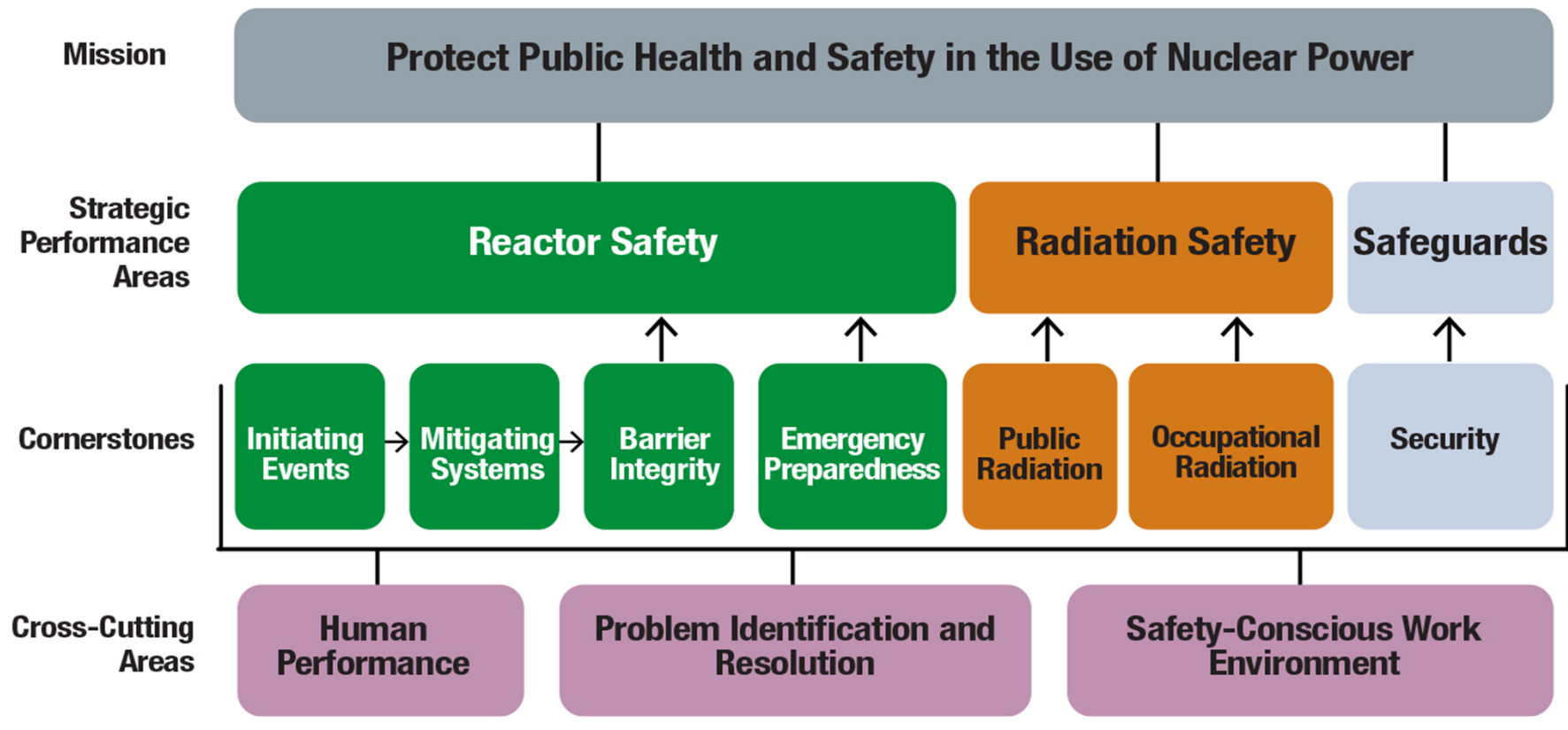


**Involves inspection and
assessment activities**



**Executed by regional
and resident inspectors**

Reactor Oversight Framework



Reactor Oversight Inputs and Oversight



	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



NRC Annual Assessment Summary

V. C. Summer Unit 1



NRC Annual Assessment Summary

V.C. Summer



- Dominion Energy South Carolina/V.C. Summer operated the plant safely and in a manner that preserved the public health and safety and protected the environment
- V.C. Summer was in the Licensee Response Column of the NRC's ROP Action Matrix for all of 2021
- NRC plans to conduct routine baseline inspections at V.C. Summer for 2022

NRC Inspection Activities

V.C. Summer for 2021



- Approximately 5356 hours of inspection and related activities
- Resident Inspector inspections
- 12 regional team-based inspections
- Inspection reports available online:
<https://www.nrc.gov/reactors/operating/oversight/listofrpts-body.html#sum>

V.C. Summer PIs and Findings

January 1 through December 31, 2021



- All Green Performance Indicators
- Three Green inspection findings

Reactor Oversight Action Matrix Performance Indicators

Performance Indicators



Inspection Findings



NRC Inspection Findings

V. C. Summer



- Failure to identify nonconforming subcomponents resulting in installation of a nonconforming part in a feedwater isolation valve (Inspection Report (IR) 2021004)
- Inadequate Risk Assessment of Heavy Lift in the Vicinity of Safety-Related Cables (IR 2021002)
- Failure to Fully Address Previous NCV Related to Maximum Expected Differential Pressure for the XVG08811A(B)-SI and XVG08812A(B)-SI Valves (IR 2021010)

Emergency Plan Change

V. C. Summer



- On December 21, 2021, V.C. Summer transitioned from offsite sirens to U.S. FEMA's Integrated Public Alert and Warning System (IPAWS)
- The FEMA-approved backup method is route alerting
- V.C. Summer is allowed to make certain changes to their emergency response plan without prior NRC approval per 10 CFR 50.54(q)

Emergency Plan Change

V. C. Summer



- The local counties' emergency management organizations are responsible for coordinating the alert and notification of the populations in their counties, using South Carolina Emergency Management Division to activate Wireless Emergency Alerts.
- <https://www.fema.gov/emergency-managers/practitioners/integrated-public-alert-warning-system>
- <https://www.dominionenergy.com/projects-and-facilities/nuclear-facilities/vc-summer-power-station/alert-transition-faqs>

Questions on V.C. Summer?

Senior Resident Inspector – Carey.Read@nrc.gov | 404.997.5251

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



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Questions and Feedback



Public Meeting Feedback Form:

Online: Navigate to the Public Meeting Schedule (recently held) and click the “Meeting Feedback” link for this meeting or press the “[...more]” link for this meeting and then click the “Meeting Feedback” link on the “Meeting Details” page.

In-person: Complete a feedback form available from NRC staff.

Nuclear Regulatory Commission | Region II

May 5, 2022