

ML22110A170

# 2021 ANNUAL ASSESSMENT



VOGTLE ELECTRIC GENERATING PLANT



NUCLEAR REGULATORY COMMISSION • REGION II •  
APRIL 21, 2022

# Introductions

## ➤ Vogtle Units 1&2 Resident Inspector

- 👤 Chris Safouri – Senior Resident Inspector
- 👤 Vacant – Resident Inspector

## ➤ Regional Personnel

- 👤 Alan Blamey – Branch Chief
- 👤 Delza Mas-Penaranda – Project Engineer

# Meeting's Purpose

- Vogtle Generating Electric Nuclear Plant Units 1, 2, 3 and 4 performance from January 1, 2021, through December 31, 2021
- Provide an overview on NRC inspection activities
- NRC Resident Inspectors and Representatives are available for discussion, questions and answers

# Agenda

- Introduction
- Resident Inspector Program (Operating and Construction)
- Review of Reactor Oversight Process (ROP & cROP)
- Discussion of Plant Performance Results (ROP & cROP)
- NRC Closing Remarks
- NRC available to address public questions



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

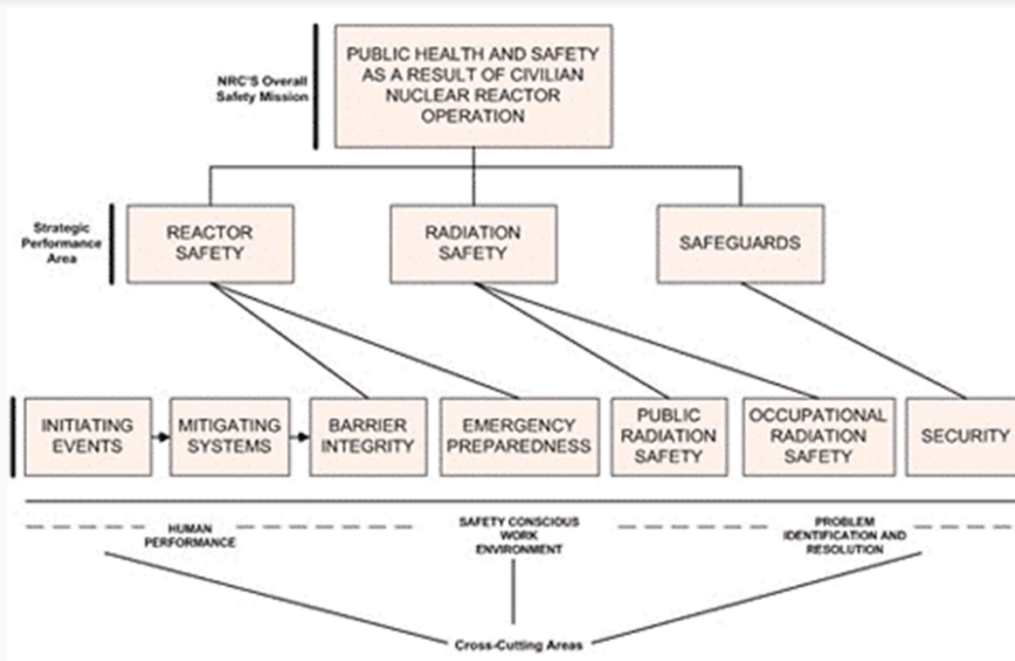
## STRATEGIC GOALS

**SAFETY STRATEGIC GOAL:** Ensure the Safe Use of Radioactive Materials

**SECURITY STRATEGIC GOAL:** Ensure the Secure Use of Radioactive Materials



# Reactor Oversight Program



- Safety Mission
- Strategic Performance Areas
- Safety Cornerstones
- Cross Cutting Areas

# Reactor Oversight Program

## INSPECTION

- Two resident inspectors are onsite and issue four quarterly inspection reports per year and walk through the plant routinely
- Regional inspections included Radiation Protection, Security, Cyber Security, Design Basis Assurance, and Emergency Planning

## PERFORMANCE INDICATORS

- 17 Performance Indicators
- Licensee submits data to NRC quarterly
- Inspection program verifies accuracy
- Data available on NRC website

# Reactor Oversight Inputs and Oversight

INCREASING SAFETY SIGNIFICANCE

	GREEN	WHITE	YELLOW	RED
<b>Performance Indicators</b>	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
<b>Findings</b>	Very low safety or security significance	Low to moderate safety or security significance	Substantial safety or security significance	High safety or security significance
<b>Oversight</b>	<b>Baseline Inspection</b>	<b>Requires additional NRC oversight</b>	<b>Requires more NRC oversight</b>	<b>Requires most NRC oversight</b>

INCREASING NRC OVERSIGHT

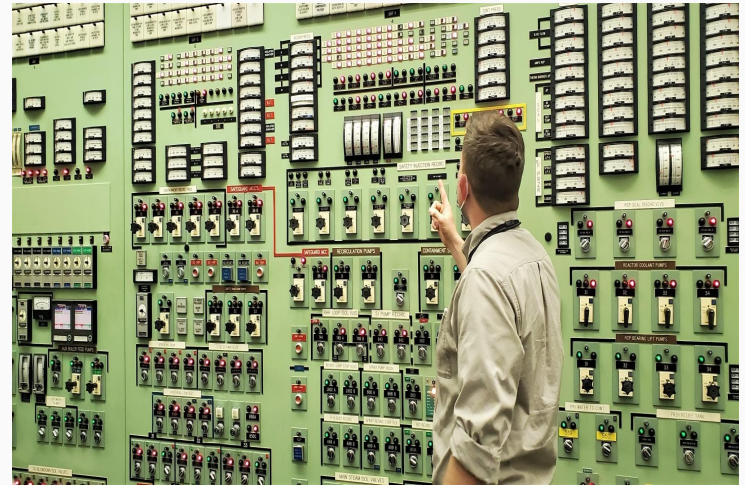
# Resident Inspector Program

- Inspectors live in the community and work at the Nuclear Plants
- Provide daily coverage and oversight of plant activity



# Resident Inspector Program

- Daily visits to control room and meetings with plant managers
- Prioritize inspections based on important plant activity



# Resident Inspector Program

- Observe emergency exercises and provide support for any real emergencies or urgent issues





# Resident Inspector Program

- Support NRC allegation process for plant employees and the public
- Routinely discuss safety concerns with plant management and operators





# Vogtle Units 1 & 2

## Findings and Performance Indicators

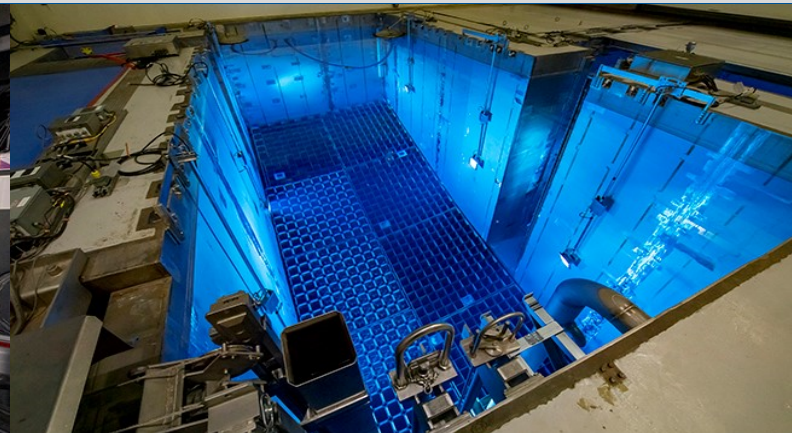
- Southern Nuclear Company operated the Vogtle Nuclear Plant Units 1 & 2 safely and in a manner that preserved the public health and safety and protected the environment.
- Vogtle was in the Licensee Response Column of the NRCs ROP Action Matrix for the last quarter of 2021.
  - All PIs were Green (no performance thresholds exceeded)
  - 2 Green finding with associated non-cited violations
  - One traditional enforcement violation severity level III





# 2021 Annual Assessment

Vogtle Units 3 & 4



# Region II cROP Organization (Units 3 & 4)

## ➤ Vogtle Units 3&4 Resident Inspectors

- Brian Kemker – Senior Resident Inspector
- Jason Eargle – Senior Resident Inspector, Testing
- Brian Griman – Resident Inspector
- Jason Parent – Resident Inspector

## ➤ Regional Personnel

- Nicole Coover – Branch Chief
- Bradley Davis – Branch Chief
- George Khouri – Construction Project Manager
- Chris Even – Senior Project Engineer

cROP:  
Construction Reactor Oversight Process



# Construction Resident Inspector Program

- Inspectors live in the community and work at the nuclear plant construction site
- Provide daily coverage and oversight of plant construction and testing activities





# Construction Resident Inspector Program

- Construction Inspections
- Initial Test Program Inspections
- Operational Programs Inspections



# 10 CFR 52.103 Determination

ITAAC: Inspections Tests  
Analysis and Acceptance  
Criteria

**All ITAAC  
completed  
by  
licensee**

**52.103(g)  
finding**

**Finding all  
ITAAC are  
met**

**Operation is  
authorized,  
and fuel load  
may  
commence**

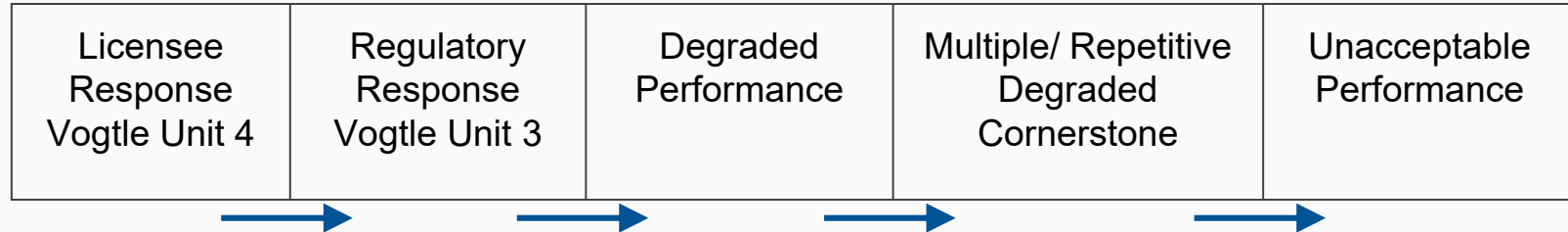
**ITAAC are no  
longer  
requirement  
s for the  
plant**

**Tech Specs  
and  
operating  
license  
conditions  
take over**



Public Involvement Opportunity – when the Commission publishes notice of intended operation (no less than 180 days before scheduled fuel load), public has 60 days to submit hearing request on ITAAC. The 60-day window for hearing requests has closed.

# cROP Action Matrix Columns (Units 3 & 4)



Vogtle Unit 3 - Regulatory Response Column (Exhibit 2, Column 2 of IMC 2505) of the NRC's cROP Action Matrix for 2021

Vogtle Unit 4 – Licensee Response Column (Exhibit 2, Column 1 of IMC 2505) of the NRC's cROP Action Matrix for 2021

# Vogtle Units 3 & 4

## Findings and Assessment

### **Unit 3 was in the Regulatory Response Column**

- Supplemental Inspection, per inspection procedure (IP) 90001, was performed during the first quarter CY 2022. Based upon the inspection results, licensee returned to Licensee Response Column on April 1, 2022.

### **Unit 4 is in the Licensee Response Column**

- Continue with the baseline inspection program

### **Cross-Cutting Theme**

- The site has crossed the threshold (more than 20 Cross Cutting Aspects in the Human Performance area). We will continue to monitor the licensee's efforts and progress in addressing the cross-cutting theme until the criteria are no longer met





# Vogtle Units 3 & 4

## Findings and Assessment

### References

- NRC Special Inspection Report 05200025/2021011, “Vogtle Electric Generating Plant, Unit 3 – Final Significance Determination of a Preliminary White Finding, a Preliminary Greater Than Green Finding, Notice of Violation, and Assessment Follow-Up Letter,” (ADAMS Accession No. ML21312A412)
- NRC Supplemental Inspection Report 05200025/2022010 “Vogtle Electric Generating Plant, Unit 3 –Supplemental Inspection Report 05200025/2022010 and Assessment Follow-up Letter,” (ADAMS Accession No. ML22108A153)



## Getting in Touch with the NRC

- Website – [www.nrc.gov](http://www.nrc.gov)
- Questions/Information – [OPA2.Resource@nrc.gov](mailto:OPA2.Resource@nrc.gov) or 404-997-4417
- Allegations – 1-800-695-7403

# 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>

# Vogle Units 1, 2, 3, & 4



# End of Presentation

Nuclear Regulatory Commission  
Region II  
April 21, 2022