2020 ANNUAL ASSESSMENT

VOGTLE ELECTRIC GENERATING PLANT

REACTOR OVERSIGHT PROCESS • CONSTRUCTION REACTOR OVERSIGHT PROCESS
NUCLEAR REGULATORY COMMISSION • REGION II • APRIL 28, 2021

PURPOSE

Discuss licensee performance in 2020

Address findings and Performance Indicators

Observation Meeting

U.S.NRC
United States Nuclear Regulatory Commission
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AGENDA

Introduction
Resident Inspector Program (Operating and Construction)
Review of Reactor Oversight Process (ROP & cROP)
Discussion of Plant Performance Results (ROP & cROP)
NRC Response to COVID-19
NRC Closing Remarks
NRC available to address public questions

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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: Ensure the Safe Use of Radioactive Materials

SECURITY: Ensure the Secure Use of Radioactive Materials

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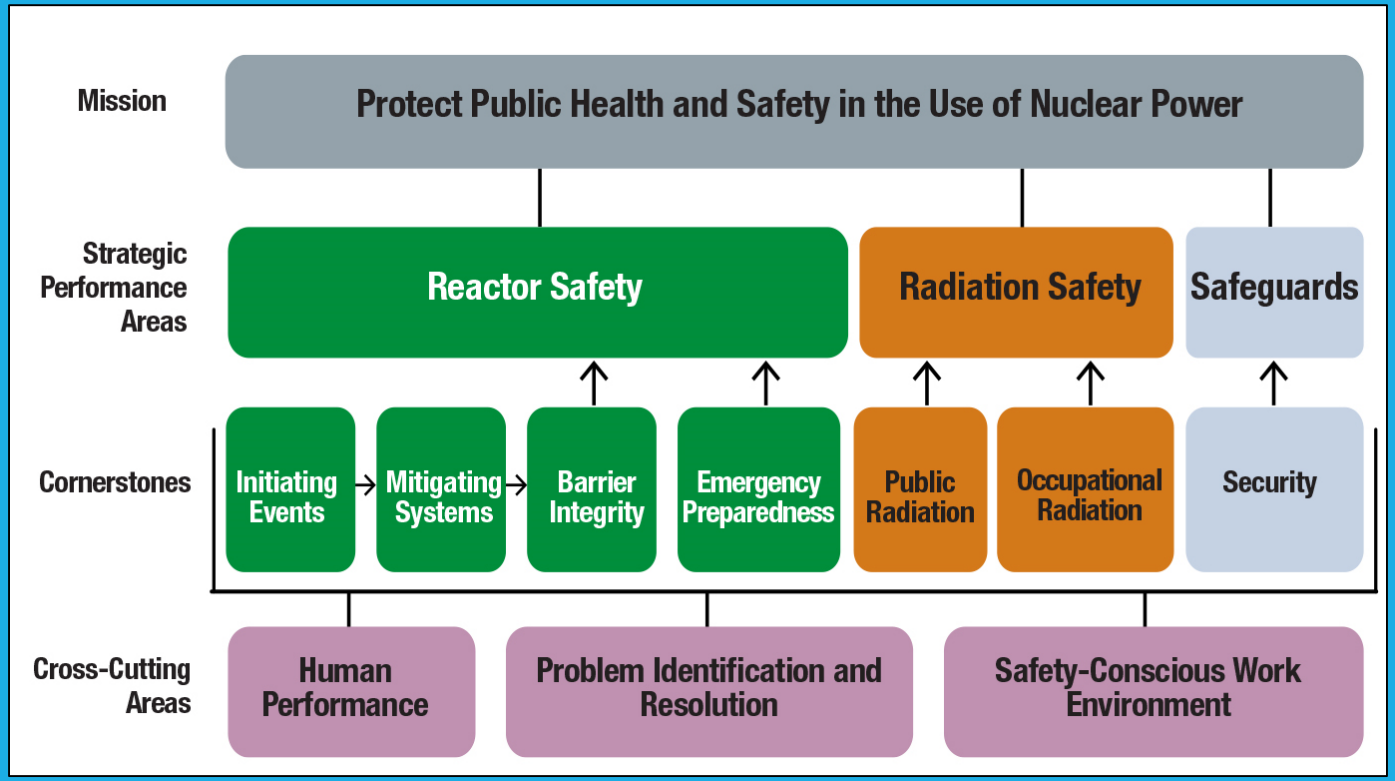
REACTOR OVERSIGHT PROCESS



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REACTOR OVERSIGHT PROCESS

INSPECTION

- 11 Regional Inspections in Radiation Protection, Security, Cyber Security, Design Basis Assurance, and Emergency Planning
- 2 resident inspectors on site – issue four quarterly inspection reports per year and walk through the plant routinely

PERFORMANCE INDICATORS

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

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RESIDENT INSPECTOR PROGRAM

- Inspectors live in the community and work at the Nuclear Plants
- Provide routine oversight at the plants

RESIDENT INSPECTOR PROGRAM

- Routine 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

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Reactor Oversight Inputs and Oversight

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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

VOGTLE UNITS 1 & 2 FINDINGS & PERFORMANCE INDICATORS

January 1 - December 31, 2020

- All Performance Indicators were Green
- 3 Green non-cited violations
- 1 Green Finding
- 1 White Violation – Emergency Preparedness Cornerstone
  - ✓ Southern Nuclear Operating Company did not properly calibrate containment radiation monitors which could have resulted in offsite response organizations implementing unnecessary public protective actions
  - ✓ Vogtle Units 1 & 2 were in the NRC Regulatory Response Column (Column 2) during the first and second quarter 2020
  - ✓ On June 24, 2020, the NRC completed a review of corrective actions and determined the actions restored compliance for these monitors and returned Vogtle to the licensee response column in the third quarter of 2020

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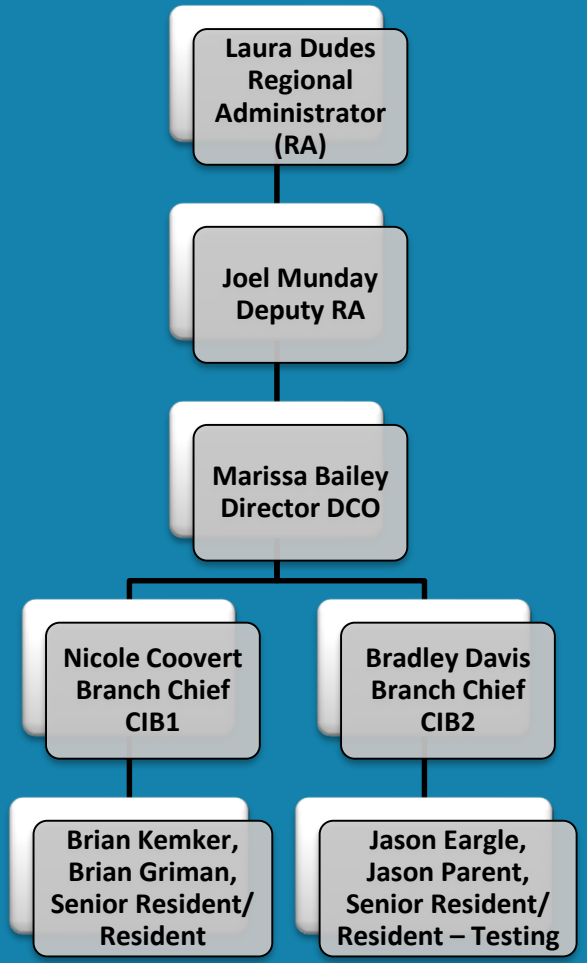
VOGTLE UNITS 3 & 4

VOGTLE UNITS 3 & 4 REGION II cROP ORGANIZATION



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

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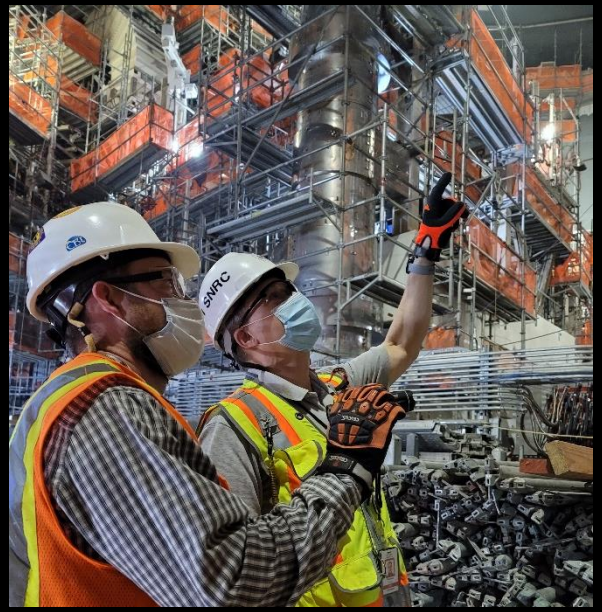
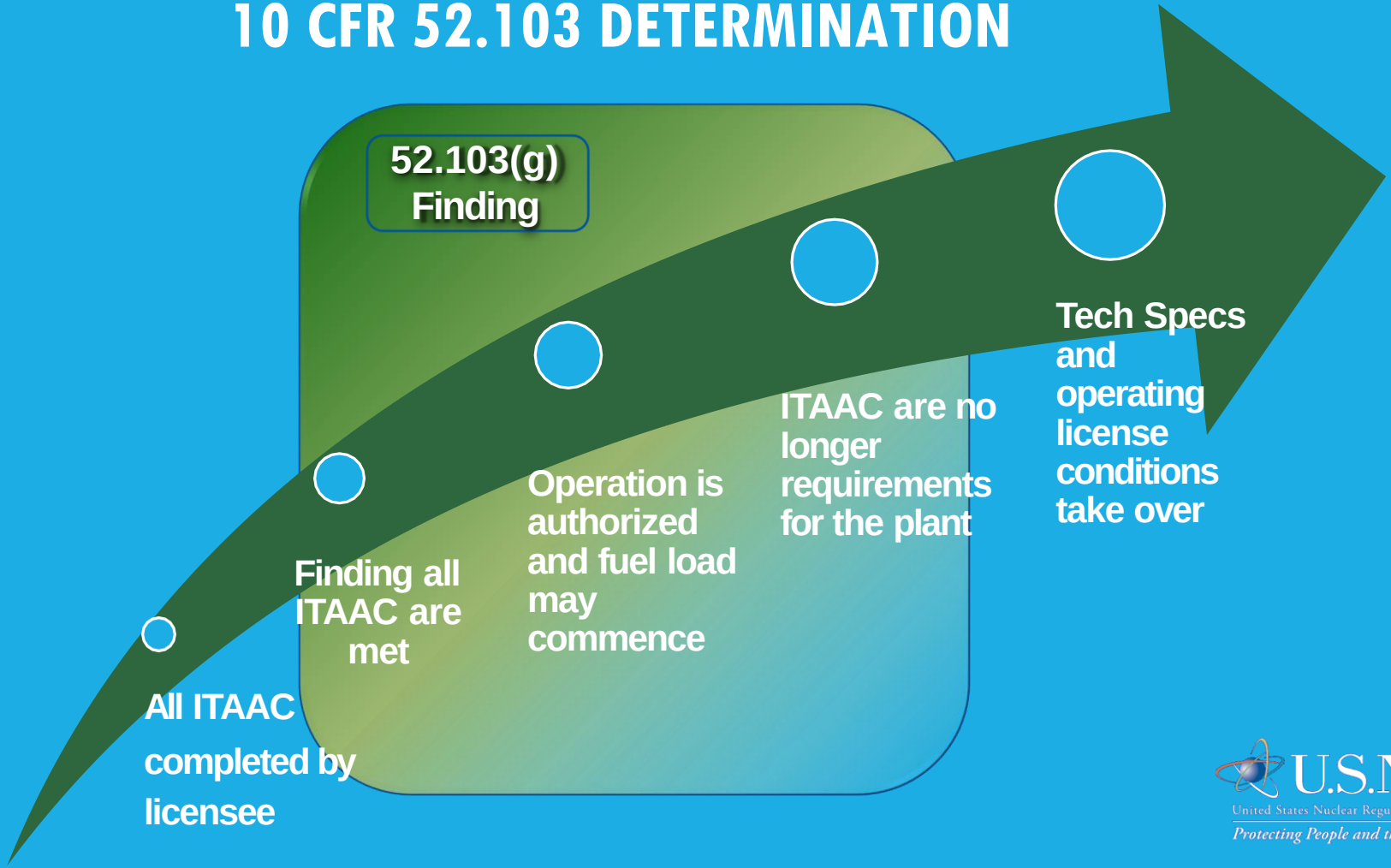
CONSTRUCTION RESIDENT INSPECTOR PROGRAM

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



10 CFR 52.103 DETERMINATION



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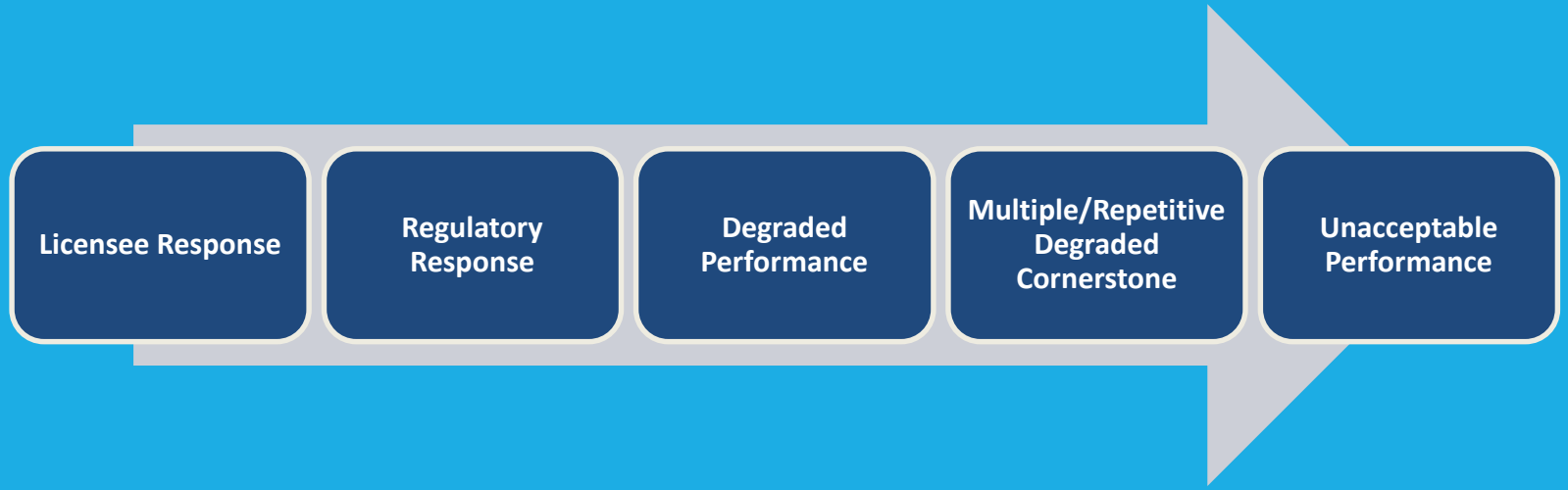
CONSTRUCTION REACTOR OVERSIGHT PROCESS

Action Matrix Columns (Units 3 & 4)



Vogtle Units 3 and 4 – Licensee Response Column
of the NRCs Construction Reactor Oversight Process (cROP) Action Matrix for 2020

VOGTLE UNITS 3 & 4 PERFORMANCE

- Continue Baseline Inspections
- All Inspection Findings Green
- Seven Green Non-Cited Violations
- One Severity Level IV Traditional Enforcement Violation
- Status of Confirmatory Orders Discussed in End of Cycle Letter Dated March 3, 2021: ML21061A216

NRC RESPONSE TO COVID-19

Monitor plant activities through inspections & oversight

Maintain emergency response capabilities

Risk-informing "eyes on" inspections

www.nrc.gov/about-nrc/covid-19/index.html

NRC RESPONSE TO COVID-19

Expanded use of telework where appropriate

Dedicated Continuity of Operations Plan

Align with Federal, State, and Local guidance

www.nrc.gov/about-nrc/covid-19/index.html

GETTING IN TOUCH WITH THE NRC

- Website – www.nrc.gov
- Questions/Information – OPA2.Resource@nrc.gov or 404-997-4417
- Allegations – 1-800-695-7403

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- Flickr: https://www.flickr.com/photos/nrcgov/sets
- LinkedIn: https://www.linkedin.com/company/u-s-- nuclear-regulatory-commission/
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VOGTLE UNITS 1, 2, 3 & 4

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END OF PRESENTATION

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