

**St Lucie Units 1 & 2 and
Turkey Point Units 3 & 4
2023 Annual Assessment Meeting**

**Reactor Oversight Process
Nuclear Regulatory Commission – Region 2
April 25, 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
- St Lucie Annual Assessment Summary
- Turkey Point Annual Assessment Summary
- Question and Answer Session



Introductions

- St. Lucie Resident Inspectors

- John Hickman – Senior Resident Inspector
- Sebastien Bruneau – Resident Inspector

- Turkey Point Resident Inspectors

- Dr. Amber Donley – Senior Resident Inspector
- Arthur Knotts – Resident Inspector



Introductions

● Regional Personnel

- Ryan Taylor – Branch Chief
- David Gasperson – Public Affairs Officer
- Natasha Childs – Senior Project Engineer
- Jeff Hamman – Senior Project Engineer



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

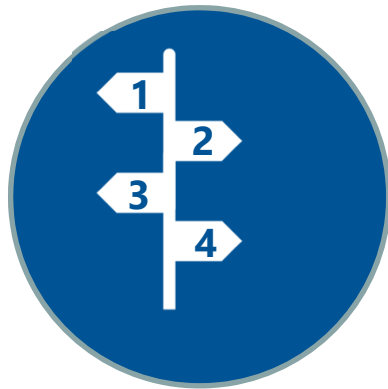


Resident Inspector Program

- 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**



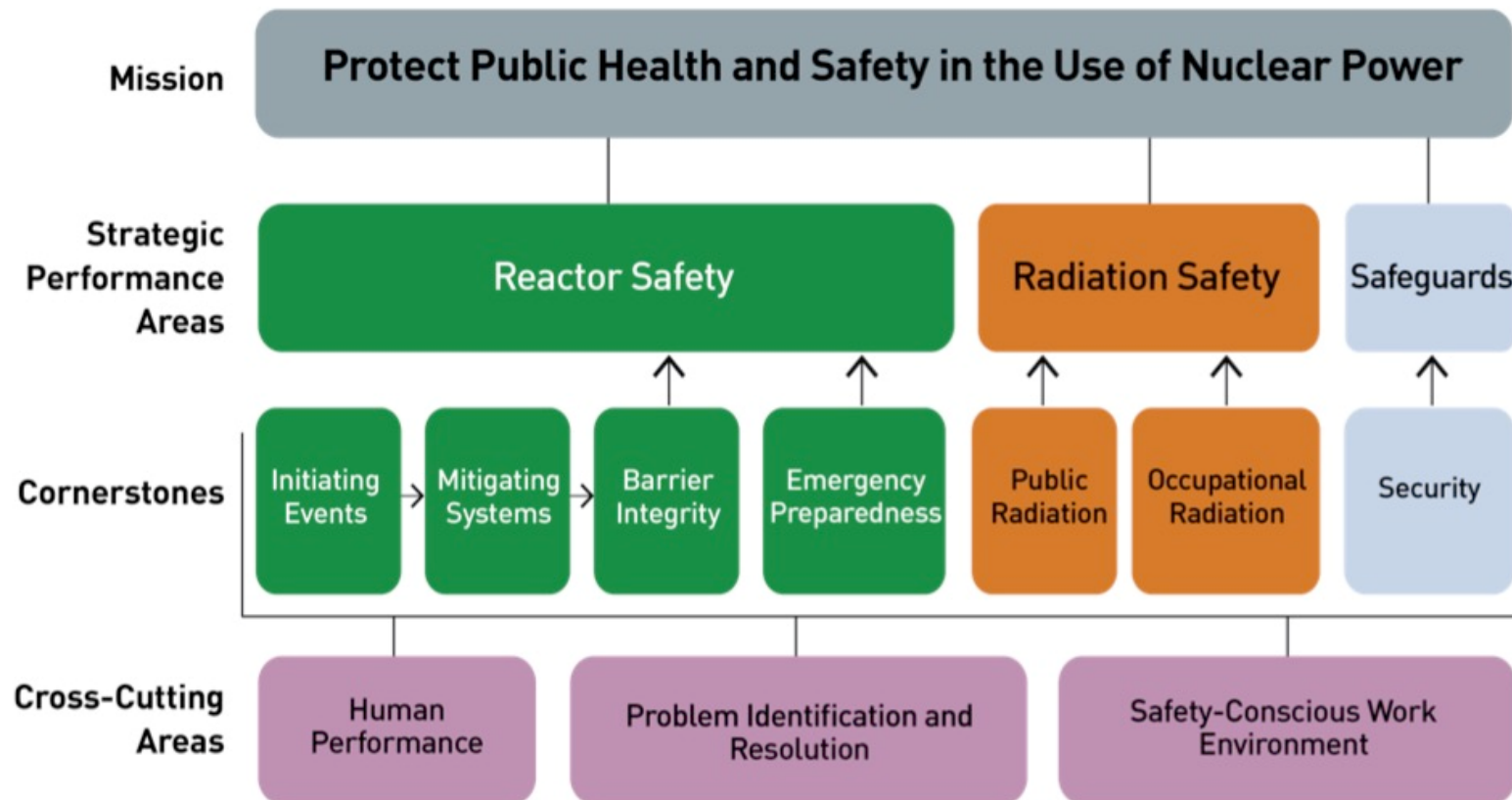
**Involves inspection
and assessment
activities**



**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

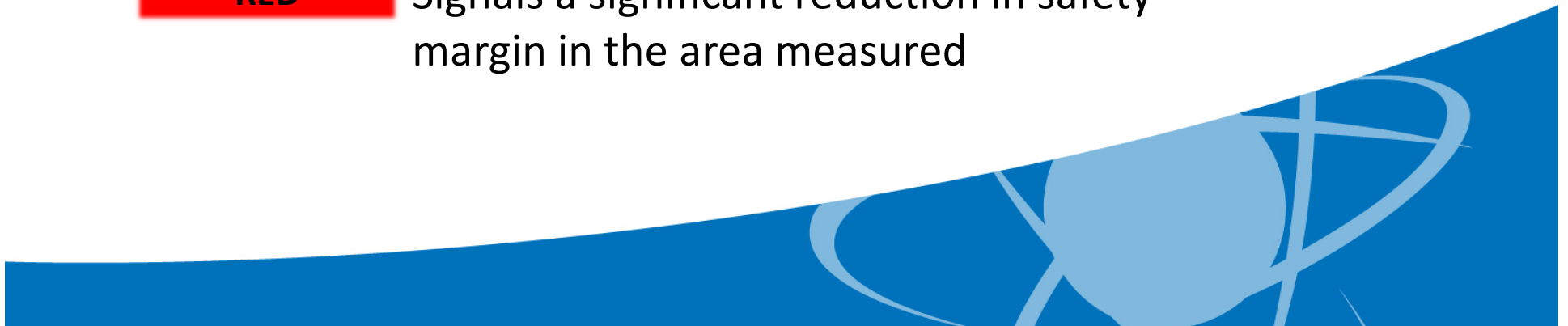
Performance outside expected range

YELLOW

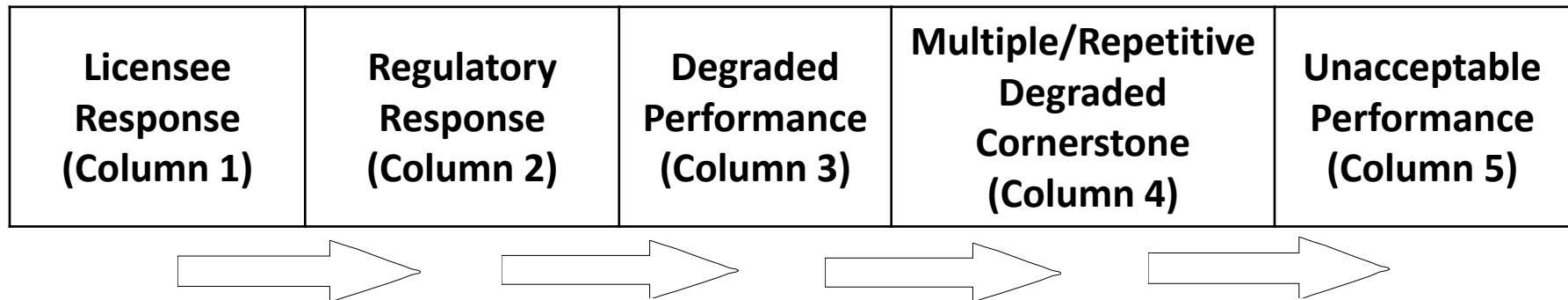
Minimal reduction in the safety margin

RED

Signals a significant reduction in safety margin in the area measured



Action Matrix Concept



Increasing:

- Safety Significance
- Inspection
- Management Involvement
- Regulatory Action



NRC Annual Assessment Summary

St Lucie Units 1 & 2



NRC Annual Assessment Summary



- Florida Power & Light (FPL) operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- St Lucie Units 1 & 2 were in the Licensee Response Column of the NRCs ROP Action Matrix for the entire 2023 assessment period.
- NRC plans to conduct routine baseline inspections at St Lucie in 2024.



NRC Inspection Activities

St Lucie Units 1 & 2 for 2023

- Two resident inspectors on site; residents perform daily oversight activities and document baseline inspection results on a quarterly basis
- Four regional inspections, including:
 - Cyber Security Inspection
 - Initial License Exam
 - Commercial Grade Dedication Inspection
 - Security Baseline Inspection



St. Lucie PIs and Findings

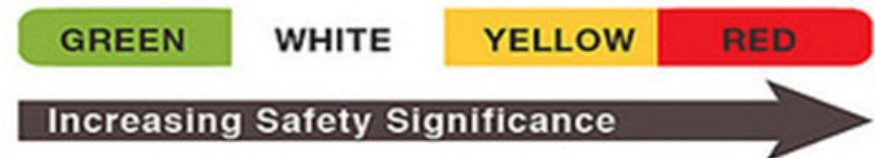
January 1 through December 31, 2023

- All Green Performance Indicators
- Four Green inspection findings

Performance Indicators



Inspection Findings



NRC Inspection Findings



St Lucie Units 1 & 2

There were four Green non-cited violations and one Severity Level IV violation at St Lucie in 2023

St Lucie inspection reports can be found by going to the following link and selecting “Saint Lucie”:

<https://www.nrc.gov/reactors/operating/oversight/listofrpts-body.html>



NRC Annual Assessment Summary

Turkey Point Units 3 & 4



NRC Annual Assessment Summary



- FPL operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Turkey Point Units 3 & 4 were in the Licensee Response Column of the NRCs ROP Action Matrix for the entire 2023 assessment period.
- NRC plans to conduct routine baseline inspections at Turkey Point in 2024.



NRC Inspection Activities

Turkey Point Units 3 & 4 for 2023

- Two resident inspectors on site; residents perform daily oversight activities and document baseline inspection results on a quarterly basis
- Four regional inspections, including:
 - Initial License Exam
 - Cyber Security Inspection
 - Problem Identification and Resolution Inspection
 - Security Baseline Inspection

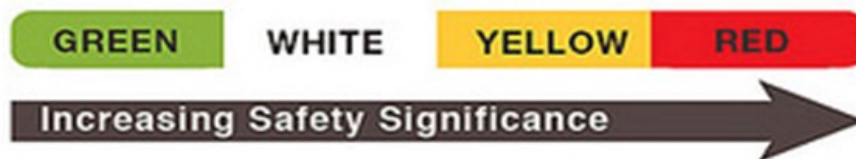


Turkey Point PIs and Findings

January 1 through December 31, 2023

- All Green Performance Indicators
- Sixteen Green inspection findings

Performance Indicators



Inspection Findings



NRC Inspection Findings

Turkey Point Unit 3 & 4

Sixteen findings of very low safety significance (Green)

Turkey Point inspection reports can be found by going to the following link and selecting “Turkey Point”:

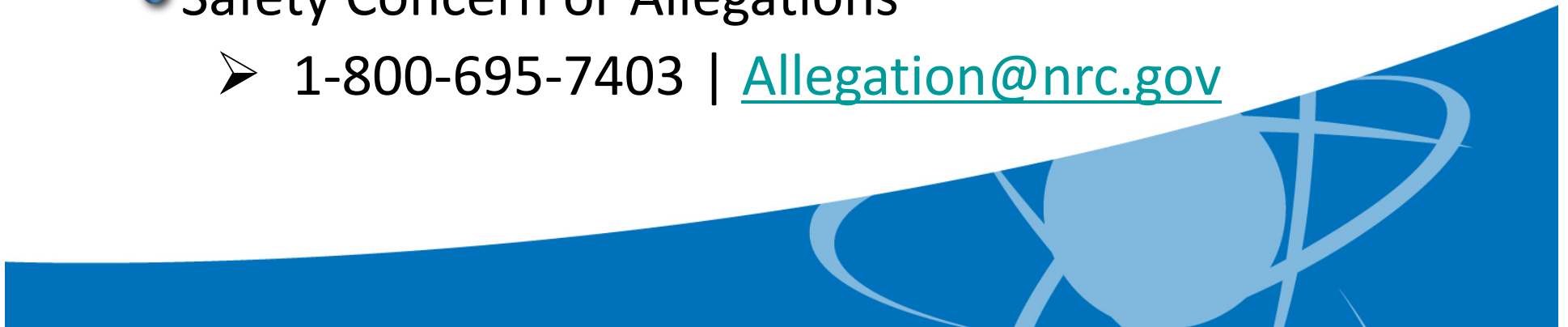
<https://www.nrc.gov/reactors/operating/oversight/listofrpts-body.html>



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?

John Hickman - Senior Resident Inspector, St Lucie

John.hickman@nrc.gov | 404.997.5231

Main Office – 404.997.5230

Dr. Amber Donley - Senior Resident Inspector, Turkey Point

Amber.donley@nrc.gov | 404.997.5271

Main Office – 404.997.5270



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>



Comments & Feedback



Public Meeting Feedback Form:

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

QR Code

Nuclear Regulatory Commission | Region II

May 18, 2024

