

Turkey Point Units 3 & 4, and Saint Lucie Units 1 & 2 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 - Turkey Point
- Annual Assessment - Saint Lucie
- Questions/Answers



Introductions



- Turkey Point Resident Inspectors
 - Matthew Endress – Senior Resident Inspector
 - Rogerio Reyes – Resident Inspector

- Saint Lucie Resident Inspectors
 - Dan Orr – Senior Resident Inspector
 - Steve Roberts – Resident Inspector

Introductions



- 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 Turkey Point and Saint Lucie
- 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**



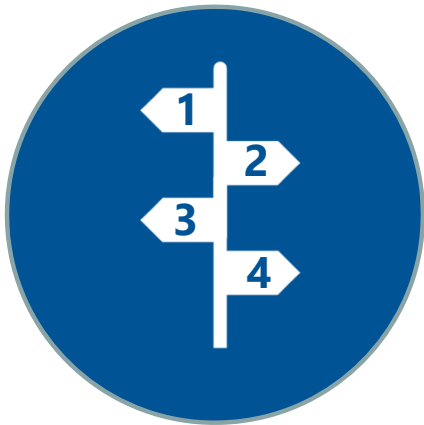
**Maintained Continuity
of Operations**



**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**



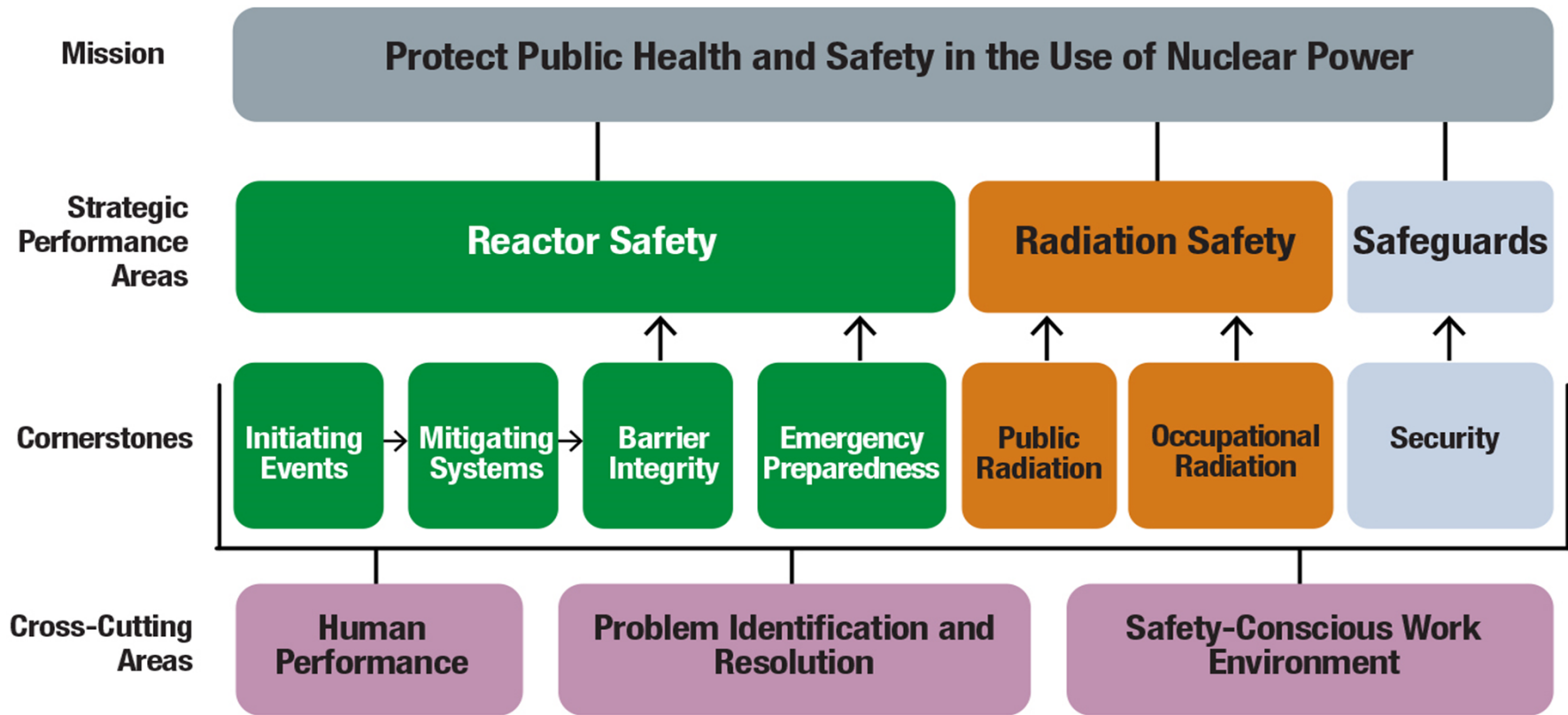
**Involves inspection and
assessment activities**



**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 – Turkey Point



- Florida Power and Light (FPL) operated the plant safely and in a manner that preserved the public health and safety and protected the environment
- Unit 3 started the first quarter of 2021 in the Regulatory Response Column of the Action Matrix due to the Unplanned Scrams per 7000 critical hours Performance Indicator (PI) crossing the Green to White threshold. As a result, the NRC performed a supplemental inspection.

NRC Annual Assessment Summary – Turkey Point



- Once the PI returned to Green, Unit 3 transitioned to the Licensee Response Column.
- Turkey Point Unit 4 was in the Licensee Response Column of the NRC's ROP Action Matrix for all of 2021
- NRC will conduct routine baseline inspections at Turkey Point Units 3 and 4 for 2022

NRC Inspection Activities

Turkey Point for 2021



- Approximately 6,729 hours of inspection and related activities
- 2 resident inspectors assigned for onsite inspection coverage throughout the year
- 14 regional inspections

Turkey Point PIs and Findings

January 1 through December 31, 2021



- One White Performance Indicator, all others were Green
- Four Green Findings
- One Severity Level Four (SL-IV) Traditional Enforcement Non-Cited Violation
- Three SL-III Violations

Reactor Oversight Action Matrix Performance Indicators



Questions on Turkey Point?

Senior Resident Inspector – matthew.endress@nrc.gov | 404.997.5272

Main Office – 404.997.5270

NRC Annual Assessment Summary – Saint Lucie



- FPL operated the plant safely and in a manner that preserved the public health and safety and protected the environment
- Saint Lucie Units 1 and 2 were in the Licensee Response Column of the NRC's ROP Action Matrix for all of 2021
- NRC plans to conduct routine baseline inspections at Saint Lucie for 2022

NRC Inspection Activities Saint Lucie for 2021



- Approximately 5,539 hours of inspection and related activities
- 2 resident inspectors assigned for onsite inspection coverage throughout the year
- 15 regional inspections

Saint Lucie PIs and Findings

January 1 through December 31, 2021



- All Green Performance Indicators
- Two Green findings

Reactor Oversight Action Matrix Performance Indicators



Questions on Saint Lucie?

Senior Resident Inspector – dan.orr@nrc.gov | 404.997.5231

Main Office – 404.997.5230

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

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May 3, 2022