

Browns Ferry, Sequoyah, and Watts Bar Annual Assessments

2023 Reactor Oversight Process

Nuclear Regulatory Commission - Region II

March 20, 2024 – 6:30pm-7:30pm ET,

In Person, City Hall Spring City, TN

March 27, 2024 – 6:30pm-7:30pm ET,

Virtually, link on NRC Public Meeting Site



Purpose



**Discuss licensee
performance in
2023**



**Address Findings
and Performance
Indicators**



**Open House and
Discussion**

Agenda

- Introductions
- NRC Mission Statement and Strategic Goals
- Reactor Oversight Process Review
- NRC Resident Inspector Program
- Annual Assessment Summary
 - Browns Ferry
 - Sequoyah
 - Watts Bar
- Questions/Answers

Introductions

- **Regional Personnel**

- Lou McKown, Branch Chief
- Son Ninh, Senior Project Engineer
- Ryan Taylor, Senior Project Engineer
- Lauren Bryson, Resident Inspector Development Program

- **Browns Ferry Resident Inspectors:**

- Tim Steadham, Senior Resident Inspector
- Kevin Pfeil, Resident Inspector
- Shamica Billups, Resident Inspector

- **Sequoyah Resident Inspectors**

- Dave Hardage, Senior Resident Inspector
- Alex Price, Resident Inspector
- Kelly Brower, Site Administrative Assistant

- **Watts Bar Resident Inspectors**

- Wes Deschaine, Senior Resident Inspector – Rotational Assignment in Office of Nuclear Reactor Regulation
- Wehrmann, Acting Senior Resident Inspector
- Amy Birdsong, Site Administrative Assistant

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

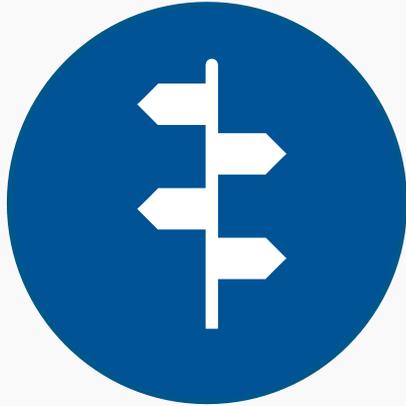
STRATEGIC GOALS

SAFETY STRATEGIC GOAL: Ensure the Safe Use of Radioactive Materials

SECURITY STRATEGIC GOAL: Ensure the Secure Use of Radioactive Materials



NRC Reactor Oversight Process (ROP)



**Implemented in
each of the NRC's
Four Regions**

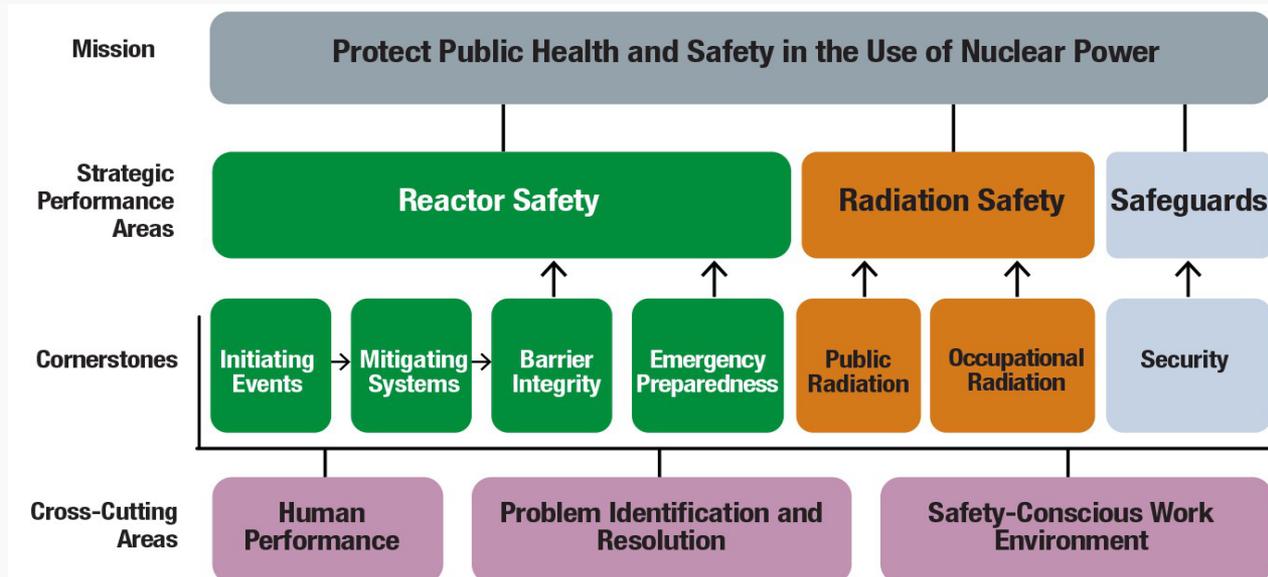


**Involves Inspection
and Assessment
Activities**



**Performed by Regional
and Resident Inspectors**

NRC Reactor Oversight Framework



NRC Reactor Oversight Process (ROP)

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

INCREASED NRC OVERSIGHT 



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Protecting People and the Environment

Resident Inspector Program

- NRC Resident Inspectors live in the local communities and perform inspection activities at Browns Ferry, Sequoyah and Watts Bar Nuclear Plants
- Provide daily oversight of plant activity



Resident Inspector Program

- Daily visits to Control Room
- Periodic meetings with plant senior managers
- Prioritize inspections based on important plant activity



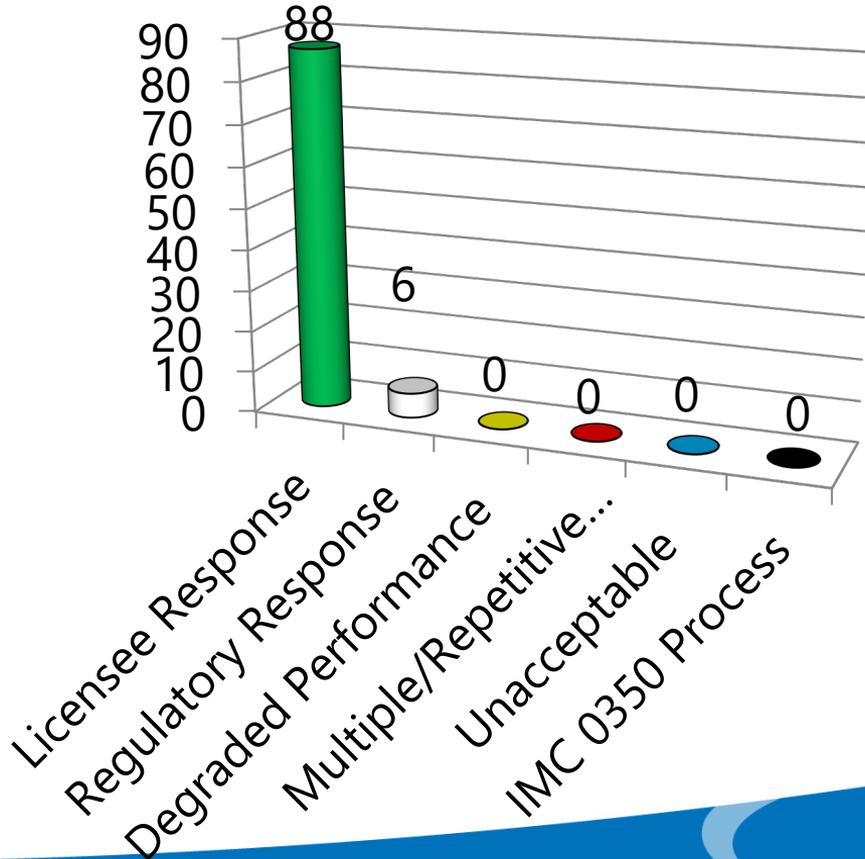
Resident Inspector Program

- Observe emergency drills and provide support to NRC decision makers for any actual events or urgent issues



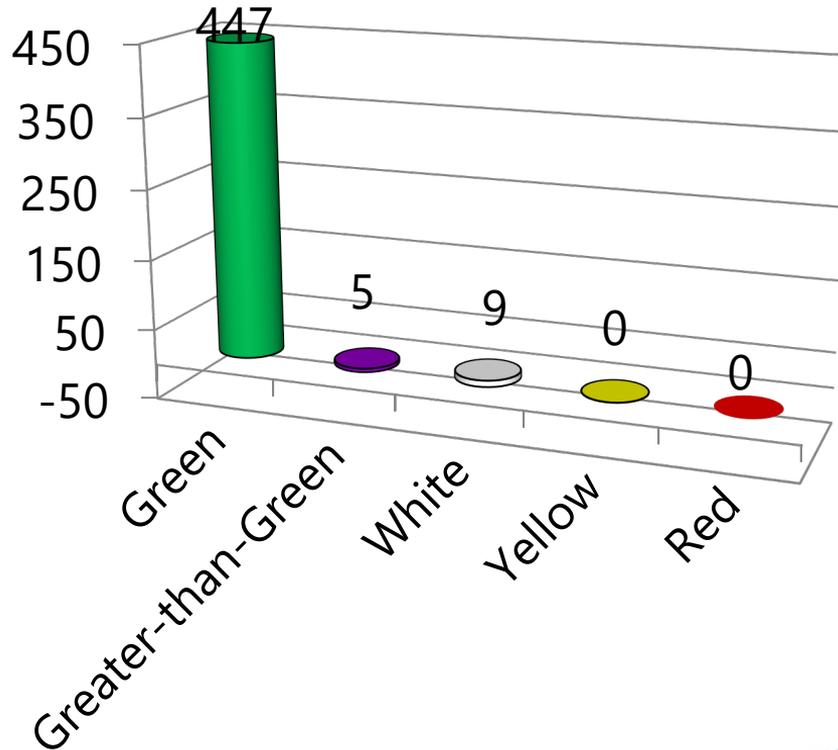
Industry-Wide Performance

As of 02/14/2024



Industry-Wide Inspection Findings

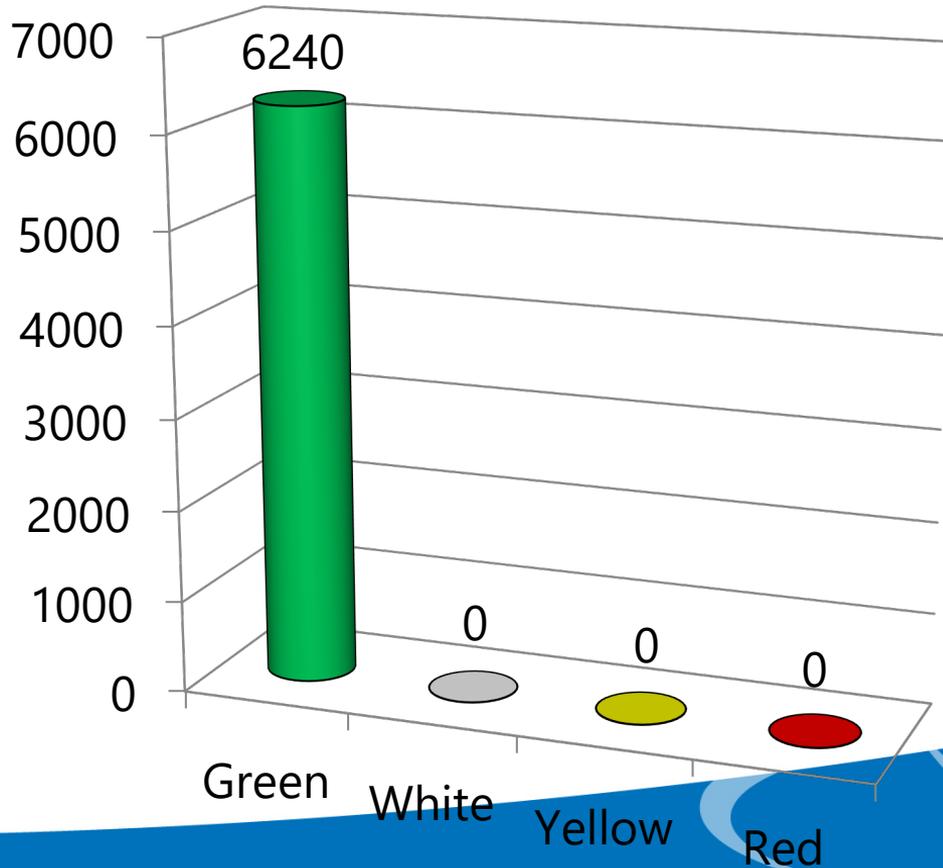
Finding data current as of 02/14/2024



**Calendar Year
2023 data**



Industry-Wide Performance Indicators



Calendar Year
2023 data

NRC Annual Assessment Summary

Browns Ferry Nuclear Plant

- TVA operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Browns Ferry Units 1, 2, and 3 were in the Regulatory Response Column (Column 2) of the NRC's ROP Action Matrix for the first three quarters of Calendar Year (CY) 2023.
- One White Finding and Nine Non-cited violations (NCVs) were identified in CY 2023.
- All Performance Indicators were Green (no performance thresholds exceeded).

NRC Annual Assessment Summary

Browns Ferry Nuclear Plant

- Browns Ferry Unit 1 - Final Significance Determination for White Finding, Notice of Violation and Assessment Follow-up Letter was issued on May 8, 2023 (ML23115A000).
- The 95001 Supplemental Inspection was completed on September 21, 2023, and the report was issued on November 2, 2023 (ML 23305A350).
- NRC plans baseline inspection at Browns Ferry for 2024.



Browns Ferry 1
Annual Assessment
Summary



Browns Ferry 2
Annual Assessment
Summary



Browns Ferry 3
Annual Assessment
Summary



NRC Annual Assessment Summary

Sequoyah Nuclear Plant

- TVA operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Sequoyah Units 1 and 2 were in the Regulatory Response Column (Column 2) for more than three quarters of CY 2023
- One Greater than Green Finding, one Apparent Violation, 8 Green NCVs, and one Green Finding were identified in CY 2023.
- All Performance Indicators were Green (no performance thresholds exceeded).

NRC Annual Assessment Summary Sequoyah Nuclear Plant

- Sequoyah Nuclear Plant, Units 1 and 2 - Final Significance Determination for Security Greater Than Green Finding, Notice of Violation and Assessment Follow-up Letter was issued on April 20, 2023 (ML 23103A395).
- The 95001 Supplemental Inspection was completed on December 14, 2023, and the report was issued on January 11, 2024 (ML24011A077).



Sequoyah 1
Annual Assessment
Summary



Sequoyah 2
Annual Assessment
Summary

NRC Annual Assessment Summary Sequoyah Nuclear Plant

- Although plant performance was within the Licensee Response Column, the NRC has not yet finalized the significance of the Apparent Violation (NRC Inspection Report 5000327/2023004 and 05000328/2023004) dated February 12, 2024, (ML24040A073). The final safety significance determination may affect the NRC's assessment of plant performance and the inspection plan.

NRC Annual Assessment Summary

Watts Bar Nuclear Plant

- TVA operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Watts Bar Units 1 and 2 were in the Regulatory Response Column (Column 2) for the last two quarters of CY 2023.
- One Security greater than Green Finding, one Apparent Violation and 17 Green NCVs were identified in CY 2023.
- All Performance Indicators were Green (no performance thresholds exceeded).

NRC Annual Assessment Summary Watts Bar Nuclear Plant

- Watts Bar Nuclear Plant, Units 1 and 2 - Final Significance Determination for Security Greater Than Green Finding, Notice of Violation and Assessment Follow-up Letter was issued on December 21, 2023 (ML23352A395)
- The NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs. This inspection will be scheduled when the licensee notifies the NRC of their readiness.



Watts Bar 1
Annual Assessment
Summary



Watts Bar 2
Annual Assessment
Summary

NRC Annual Assessment Summary Watts Bar Nuclear Plant

- In addition, the NRC has not yet finalized the significance of the Apparent Violation associated with Unit 2 Ice Condenser Lower Inlet Doors (NRC Inspection Report 5000390/2023004 and 05000391/2023004) dated February 13, 2024, (ML24043A083). The final safety significance determination may affect the NRC's assessment of plant performance and the inspection plan.

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Getting in Touch with the NRC

- Agency Website: www.nrc.gov
- Questions/Information: 404-997-4417 or OPA2.Resource@nrc.gov
- Job Opportunities: 301-415-7400 or www.usajobs.gov
- Report a Safety or Security Concern
 - Emergency: 301-816-5100 (24-hr Headquarters Operation Center)
 - Non-Emergency: 1-800-695-7403 or allegation@nrc.gov
- Contact NRC Resident Inspectors
 - Browns Ferry Phone: 404-997-5110
 - Sequoyah Phone: 404-997-5240
 - Watts Bar Phone: 404-997-5300



Feedback is a Gift

- Public Meeting Feedback Form:
 - 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.



QR CODE