

Shearon Harris Annual Assessment Meeting

2019 Reactor Oversight Process
Nuclear Regulatory Commission – Region 2

ML20099C99

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Agenda

- Introductions – Harris Resident Inspectors and Regional Staff Responsible for Oversight
- Strategic Plan Goals
- Annual Assessment Summary
 - Findings
 - Performance Indicators
- NRC Plans for 2020
- NCR COVID-19 Response
- Questions/Answers



Introductions

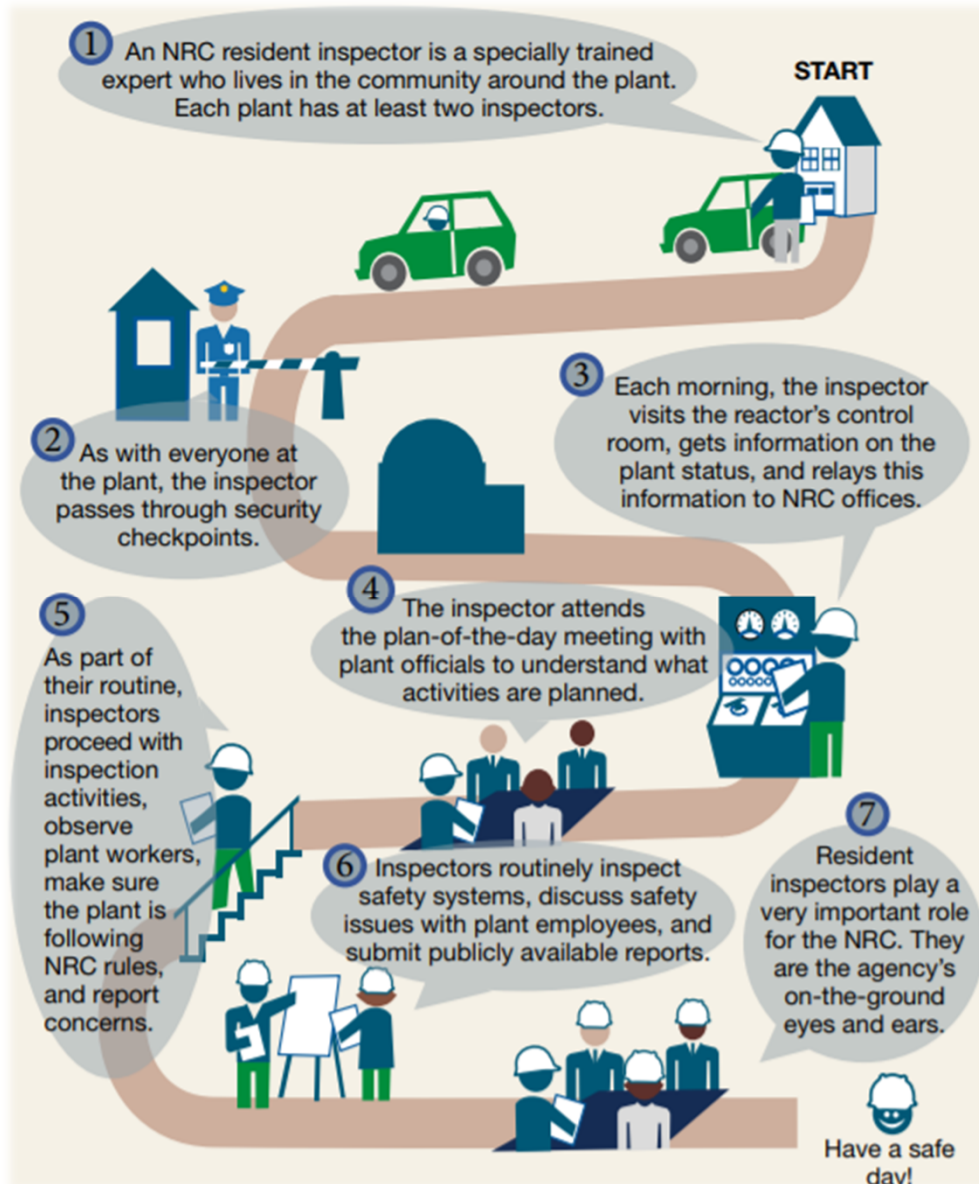
- Resident Inspectors

- John Zeiler – Senior Resident Inspector
- Andy Patz – Resident Inspector

- Regional Personnel

- Stewart Bailey – Branch Chief
- Phil Niebaum – Senior Project Engineer
- Jeffrey Hamman – Senior Project Engineer
- Donna Jackson – Project Engineer

The NRC's Resident Inspectors



The NRC's Resident Inspectors



NRC Strategic Plan Goals



- Safety – Ensure adequate protection of public health and safety and the environment
- Security – Ensure adequate protection of the secure use and management of radioactive materials



NRC Annual Assessment Summary



Shearon Harris

- Duke Energy/Harris operated the plant safely and in a manner that preserved public health and safety and protected the environment
- Harris was in the Licensee Response Column (Column 1) of the NRC's ROP Action Matrix for all of 2019



NRC Inspection Activities

Shearon Harris for 2019

- Approx. 6000 hours of inspection and related activities
- Two resident inspectors on site – residents walk through the plant every day and document an inspection report each quarter
- 5 major team inspections
 - Design Basis Assurance Inspection
 - Problem Identification & Resolution Inspection
 - Emergency Preparedness Exercise
 - Reactor Vessel Head Replacement Inspections
 - Radiological Protection Inspections

Harris PIs and Findings

January 1 through December 31, 2019

- All Green Performance Indicators
- 3 Green inspection findings



NRC Inspection Findings

Shearon Harris



- Both Containment Vacuum Relief Trains Inoperable
- Failure to Develop a Valid Mathematical Model for ASCO Solenoid Valves
- Failure to Implement Effective Corrective Actions to Preclude Repetition of a Significant Condition Adverse to Quality



Significance Threshold

Performance Indicators

- **Green** Baseline Inspection
- White Requires additional NRC oversight
- **Yellow** Requires more NRC oversight
- **Red** Requires most NRC oversight

Inspection Findings

- **Green** Very low safety or security significance
- White Low to moderate safety or security significance
- **Yellow** Substantial safety or security significance
- **Red** High safety or security significance



NRC Inspection Plans for 2020



- NRC currently plans baseline inspections at Shearon Harris for the remainder of 2020. This includes:
 - Design Basis Assurance Inspection
 - Radiological Protection Inspection
 - Problem Identification & Resolution



NRC Response to COVID-19



● Mission Critical Functions

- Monitoring plant activities through inspections and oversight
- Maintaining emergency response capabilities with Regional IRCs and HQ
- Risk-informing "eyes on" inspections through residents and regional inspections



NRC Response to COVID-19



● Additional Actions

- Established a COVID-19 Task Force
- When on site, residents are social distancing as much as possible
- Dedicated Continuity of Operations Plan available
- Coordinating actions with industry on best practices to minimize impacts



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
- Employment – 301-415-7400 or www.usajobs.gov



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Questions?

**Nuclear Regulatory Commission
Region 2**

April 29, 2020