

Brunswick Annual Assessment Meeting

2019 Reactor Oversight Process
Nuclear Regulatory Commission – Region 2

ML20100G634

Agenda

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



Introductions

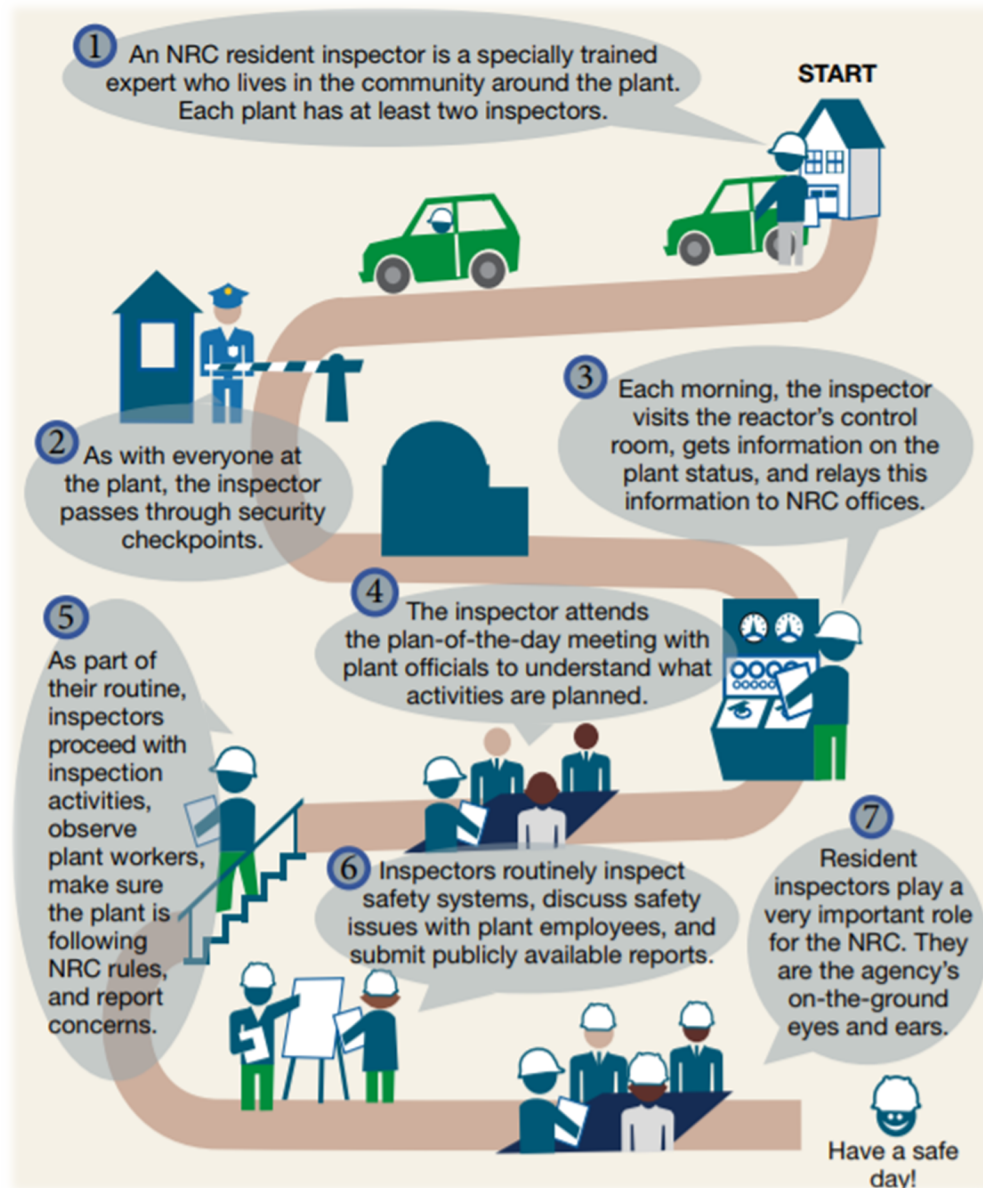
- Resident Inspectors

- Galen Smith – Senior Resident Inspector
- Jeffery Steward – 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 Strategic Goal – Ensure the safe use of radioactive materials.
- Security Strategic Goal – Ensure the secure use of radioactive materials.



NRC Annual Assessment Summary

Brunswick

- Duke Energy/Brunswick operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Brunswick was in the Licensee Response Column of the NRC's ROP Action Matrix for the last quarter of 2019.



NRC Inspection Activities Brunswick for 2019

- Approx. 6575 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
- 95001 Supplemental Inspection for White PI
- 3 major team inspections
 - Force-on-Force/Security Inspection
 - Problem Identification & Resolution
 - Design Basis Assurance Inspection

Brunswick PIs and Findings

January 1 through December 31, 2019

- 1 White Performance Indicator – RCS Leakage
- 10 Green / Severity Level IV inspection findings



NRC Inspection Findings

Brunswick

- Unit 1 Reactor Coolant System Leak Due to Reference Leg Failure
- Failure to Maintain the Effectiveness of the Emergency Plan
- Inadequate Procedure Resulted in Inoperable Safety Relief Valves



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 plans baseline inspections at Brunswick for the remainder of 2020. This includes:
 - Triennial Fire Protection Inspection
 - Evaluation of Changes, Tests, and Experiments Inspection
 - Emergency Preparedness Exercise

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