

Vogtle Electric Generating Plant Annual Assessment Meeting

Reactor Oversight Program - CY 2007



Nuclear Regulatory Commission - Region II

Waynesboro, GA

April 24, 2008

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance issues identified in the annual assessment letter
- Licensee will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region II Organization

Victor McCree
Acting Regional Administrator
Charles Casto
Acting Deputy Regional Administrator

Division of Reactor Projects
Joseph Shea, Acting Director
Harold Christensen, Deputy Director

Division of Reactor Safety
Kriss Kennedy, Director
David Ayres, Acting Deputy Director

Projects Branch 2
Scott Shaeffer, Chief
(404)562-4521

Regional Specialist Inspectors

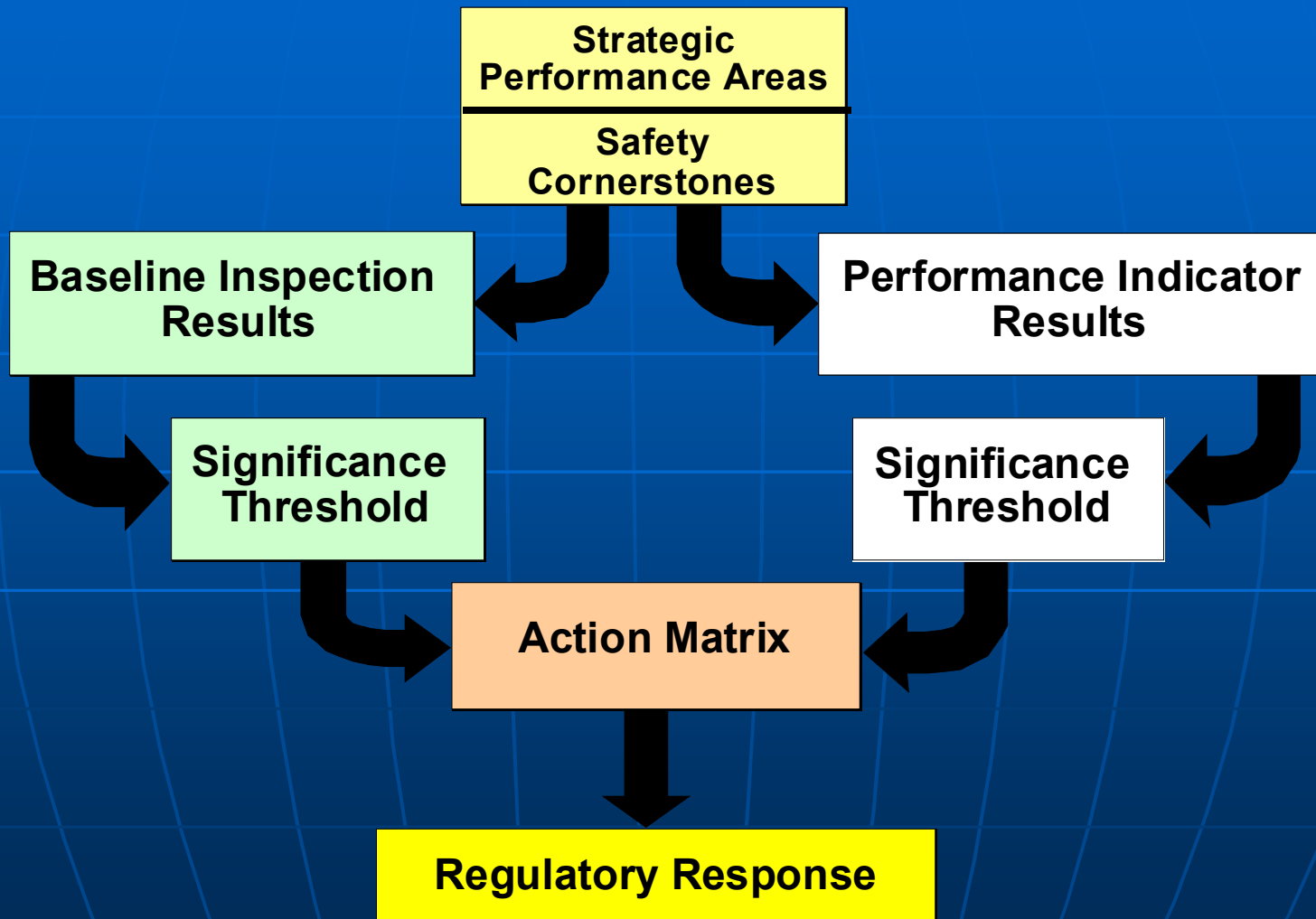
Resident Inspectors (RI)
Gerald McCoy, Senior RI
Tim Chandler, RI
RI Office: (706)554-9901

Project Engineers (PE)
Curt Rapp, Senior PE
Tonya Lighty, PE

NRC Strategic Goals

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

Reactor Oversight Process



Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Fire Protection ~200 hrs Triennially
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs Biennially
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs Biennially
- Corrective Action Case Reviews ~60 hrs/yr

Performance Thresholds

Performance Indicators

- Green:** Only Baseline Inspection
- White:** May increase NRC oversight
- Yellow:** Requires more NRC oversight
- Red:** Requires more NRC oversight

Inspection Findings

- Green:** Very Low safety significance
- White:** Low to Moderate safety significance
- Yellow:** Substantial safety significance
- Red:** High safety significance

Action Matrix Concept



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

National Summary of Plant Performance

Status at End of CY 2007

Licensee Response	87
Regulatory Response	8
Degraded Cornerstone	8
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0
Total	104*

*Includes Browns Ferry Unit 1
which was restarted in 2007

National Summary

■ Performance Indicator Results (end of CY 2007)

- Green 1942
- White 8
- Yellow 2
- Red 0

■ Total Inspection Findings (CY 2007)

- Green 759
- White 9
- Yellow 5
- Red 0

2007 Inspection Activities

6200 hours of inspection-related activities

- In-service Inspection
- Radiation Protection
- Maintenance Effectiveness
- Heat Sink
- Emergency Preparedness Exercise
- Plant Modifications
- Biennial Corrective Actions Program
- Reactor Operator Licensing Examinations
- Supplementals for White performance indicator and White finding
- Security
- Triennial Fire Protection
- Triennial Component Design Basis

2007 Assessment Results - Unit 1

- Regulatory Response Column
 - White finding in the Emergency Preparedness cornerstone
 - Supplemental inspection completed with satisfactory results
 - White Mitigating Systems Performance Index (MSPI), Cooling Water Systems Performance Indicator in 4th quarter 2007
 - Supplemental inspection planned for Summer 2008
- All other findings very low safety significance (Green)
- All other Performance Indicators were Green

2007 Assessment Results - Unit 2

- Regulatory Response Column
 - White finding in the Emergency Preparedness cornerstone
 - Supplemental inspection completed with satisfactory results
 - White MSPI, Cooling Water Systems PI
 - Supplemental inspection completed June 2007
 - Additional Failure in the 3rd quarter 2007
 - Supplemental inspection scheduled for Summer 2008
- All other findings very low safety significance (Green)
- All other Performance Indicators were Green

2007 Assessment Summary

- Southern Nuclear operated Vogtle in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections and a supplemental inspection for Unit 1 and Unit 2 for the remainder of 2008

Contacting the NRC

- Report an emergency
 - ▶ (301) 816-5100 (call collect)
- Report a safety concern
 - ▶ (800) 695-7403
 - ▶ Allegation@nrc.gov
- General information or questions
 - ▶ Public Web site: www.nrc.gov
 - ▶ Select “What We Do” for Public Affairs

Reference Sources

- Reactor Oversight Process

 - ▶ <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

- Public Electronic Reading Room

 - ▶ <http://www.nrc.gov/reading-rm.html>

- Public Document Room

 - ▶ 1-800-397-4209