

Edwin I. Hatch Nuclear Plant Annual Assessment Meeting

Reactor Oversight Program - CY 2007



Nuclear Regulatory Commission - Region II

Baxley, GA

April 9, 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 Specialists Inspectors

Resident Inspectors (RI)
James Hickey, Senior RI
Phil Niebaum, RI
RI Office: (912) 367-9881

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

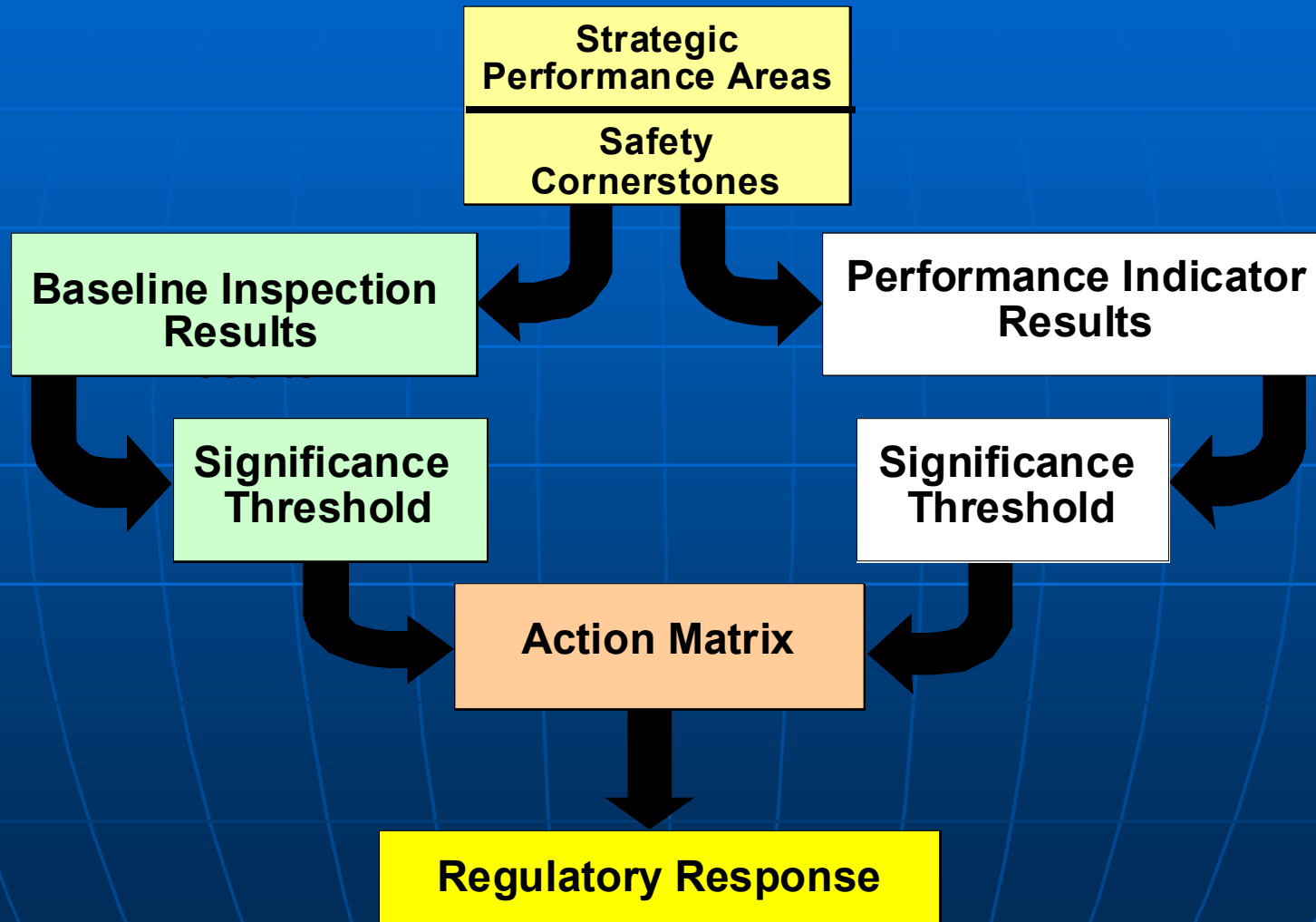
NRC Strategic Goals

- 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

NRC Performance Goals

- **Safety:** Ensure protection of the public health and safety and the environment
- **Security:** Ensure the secure use and management of radioactive materials
- **Openness:** Ensure openness in our regulatory process
- **Effectiveness:** Ensure that NRC actions are effective, efficient, realistic, and timely
- **Management:** Ensure excellence in agency management to carry out the NRC' strategic objective

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	<hr/> 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

4700 hours of inspection-related activities

- Engineering Modifications
- In-service Inspections
- Radiation Protection
- Independent Spent Fuel Storage Facility
- Biennial Problem Identification & Resolution
- Maintenance Effectiveness
- Force-on-Force Exercise
- Emergency Plan Exercise

2007 Assessment Results - Unit 1

- Licensee Response Column
- All findings very low safety significance (Green)
- All Performance Indicators were Green

2007 Assessment Results - Unit 2

- Regulatory Response Column
 - White Mitigating Systems Performance Index, High Pressure Injection System PI in the second quarter 2007
 - Supplemental Inspection completed March 2008 with satisfactory results
- All findings very low safety significance (Green)
- All other Performance Indicators were Green

2007 Assessment Summary

- Southern Nuclear operated Hatch in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections 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