

North Anna Power Station Annual Assessment Meeting

Reactor Oversight Program - CY 2007



Nuclear Regulatory Commission - Region II

Mineral, Virginia

March 24, 2008

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance as delineated 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

Joseph Shea
Acting Director Division of Reactor Projects

Harold Christensen
Deputy Director

Eugene F. Guthrie
Branch Chief

James Reece
Rodney Clagg
North Anna
Resident Inspectors

Jim Dodson
Sr. Project Engineer
Dan Arnett
Project Engineer

Kriss Kennedy
Director Division of Reactor Safety

David Ayres
Deputy Director

Regional Specialists

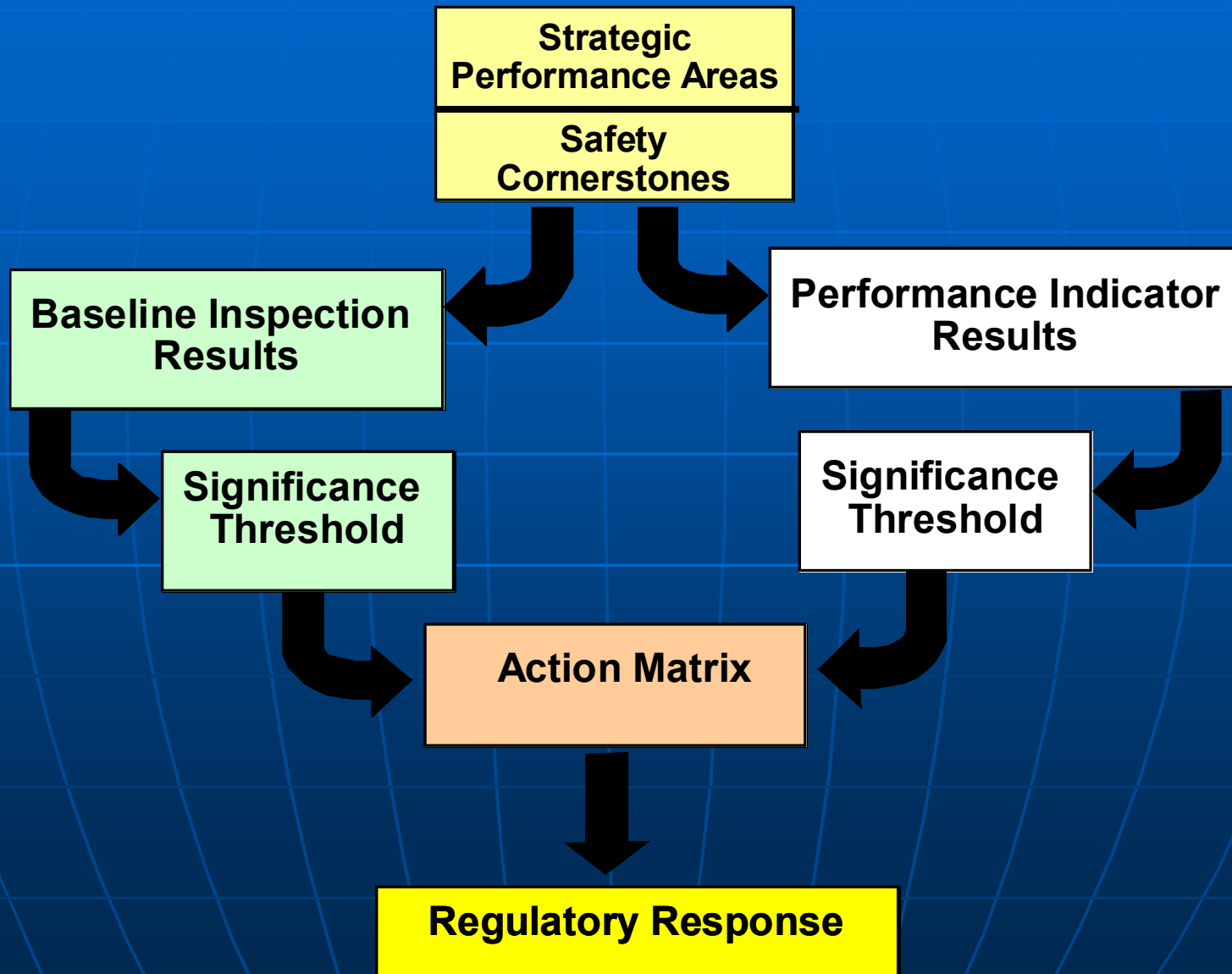
NRC Representatives

- James Reece, Senior Resident Inspector
 - (540) 894-5421
- Rodney Clagg, Resident Inspector
 - (540) 894-5422
- Jim Dodson, Senior Project Engineer
 - (404) 562-4655
- Gene Guthrie, Branch Chief
 - (404) 562-4662

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
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs every 2 yrs
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Significance Threshold

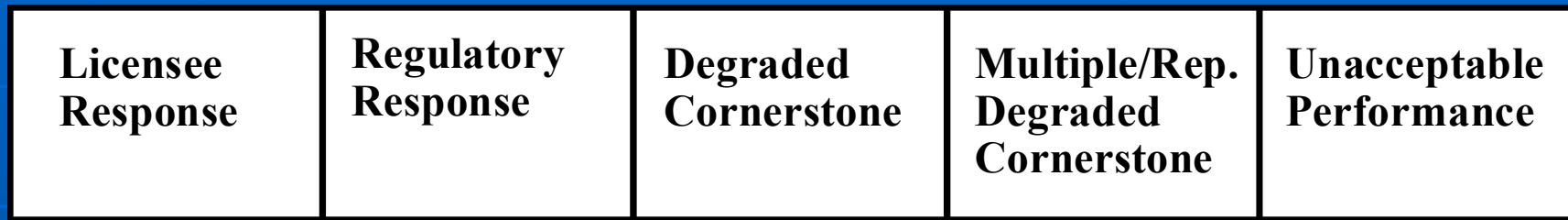
Performance Indicators

- 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 issue
- White:** Low to moderate safety issue
- Yellow:** Substantial safety issue
- Red:** High safety issue

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
<u>Total</u>	<u>104</u>

National Summary

- Performance Indicator Results (at end of CY 2007)

▶ Green	1942
▶ White	8
▶ Yellow	1
▶ Red	0

- Total Inspection Findings (CY 2007)

▶ Green	759
▶ White	9
▶ Yellow	2
▶ Red	0

Assessment Results

(Jan 1 - Dec 31, 2007)

- North Anna's performance was within the Licensee Response Column of the Action Matrix for all four quarters.
- All Reactor Oversight Process inspection findings were classified as very low safety significance (Green).
- All performance indicators were Green.

Safety Significant Findings or PIs

- No safety significant findings or PIs were identified during the assessment period.

North Anna Power Station Inspection Activities

(Jan 1 - Dec 31, 2007)

7,700 hours of inspection related activities

- Component design bases inspections
- Independent Spent Fuel Storage Installation inspections
- In-service inspections
- PWR Containment Sump Blockage (TI 2515/166)
- Radiation protection inspections
- Emergency preparedness inspections
- Problem Identification and Resolution inspection
- Resident inspector daily inspections

North Anna Power Station Inspection Activities

(Jan 1 - Dec 31, 2007)

- During 2007, resident inspector Gerald Wilson was re-assigned to the NRC Region II Office and was replaced by Rodney Clagg.
- During the assessment period there were eight violations of regulatory requirements.
- A Special Team Inspection was conducted for the spurious safety injection which occurred on June 29, 2007

North Anna Power Station Annual Assessment Summary

January 1 - December 31, 2007

- Virginia Electric and Power Company operated the North Anna Power Station in a manner that preserved public health and safety.
- All cornerstone objectives were met.
- NRC plans baseline inspections at North Anna for the remainder of CY 2008.

Licensee Response and Remarks

Questions?

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
 - ▶ 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 (Toll Free)