

Watts Bar Nuclear Plant Annual Assessment Meeting

Reactor Oversight Program - CY 2007



Nuclear Regulatory Commission - Region II

Watts Bar Nuclear Plant, TN

April 7, 2008

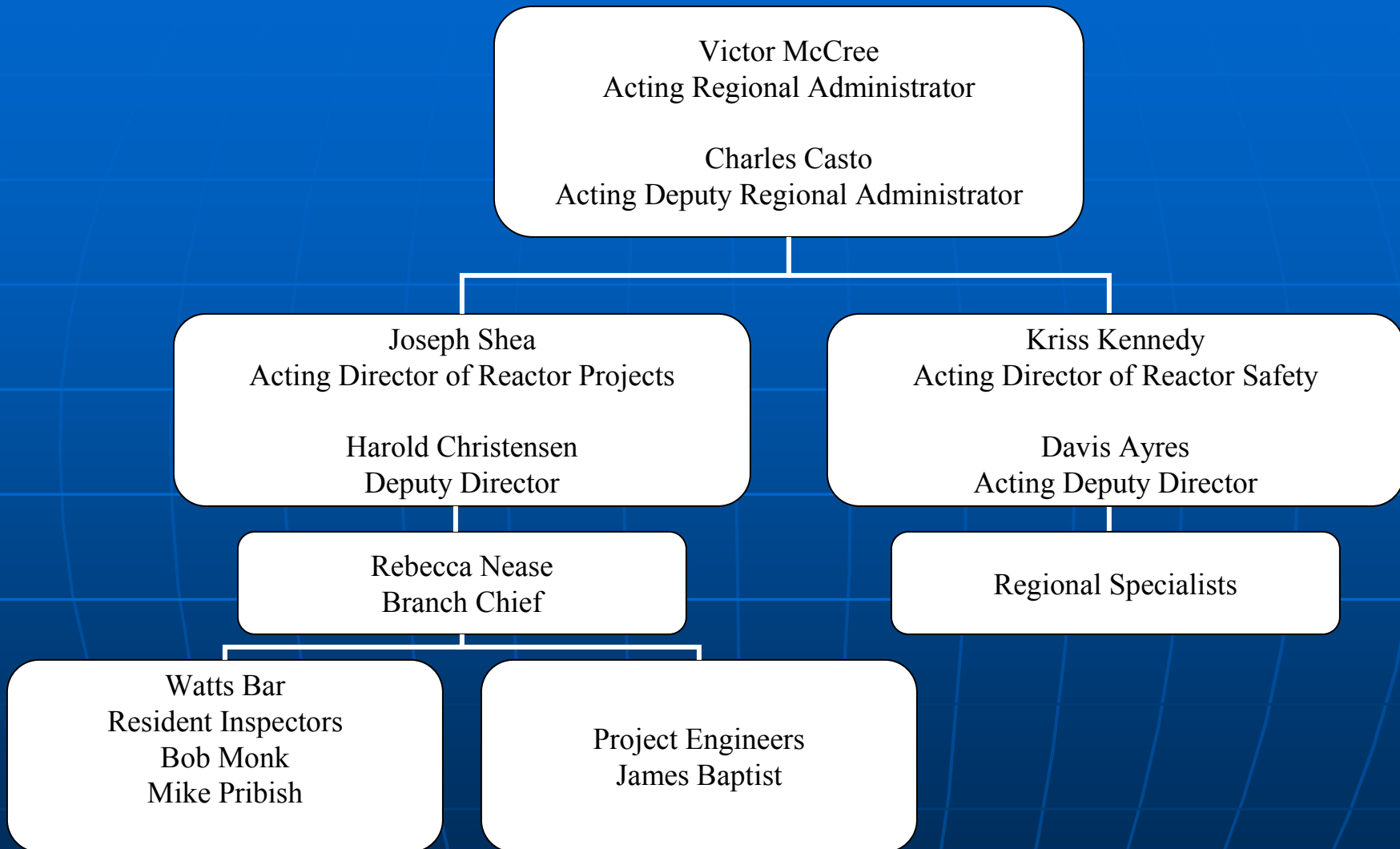
Purpose of Today's Meeting

- 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



NRC Representatives

- Joseph Shea, Director, Division Reactor Projects
 - (404) 562-4600
- Harold Christensen, Deputy Division Director, DRP
 - (404) 562-4501
- Patrick Milano, Project Manager, NRR
 - (301) 415-1457
- Bob Monk, Senior Resident Inspector
 - (423) 365-5487
- Mike Pribish, Resident Inspector
 - (423) 365-5487
- James Baptist, Senior Project Engineer
 - (404) 562-4506
- Rebecca L. Nease, Branch Chief
 - (404) 562-4530

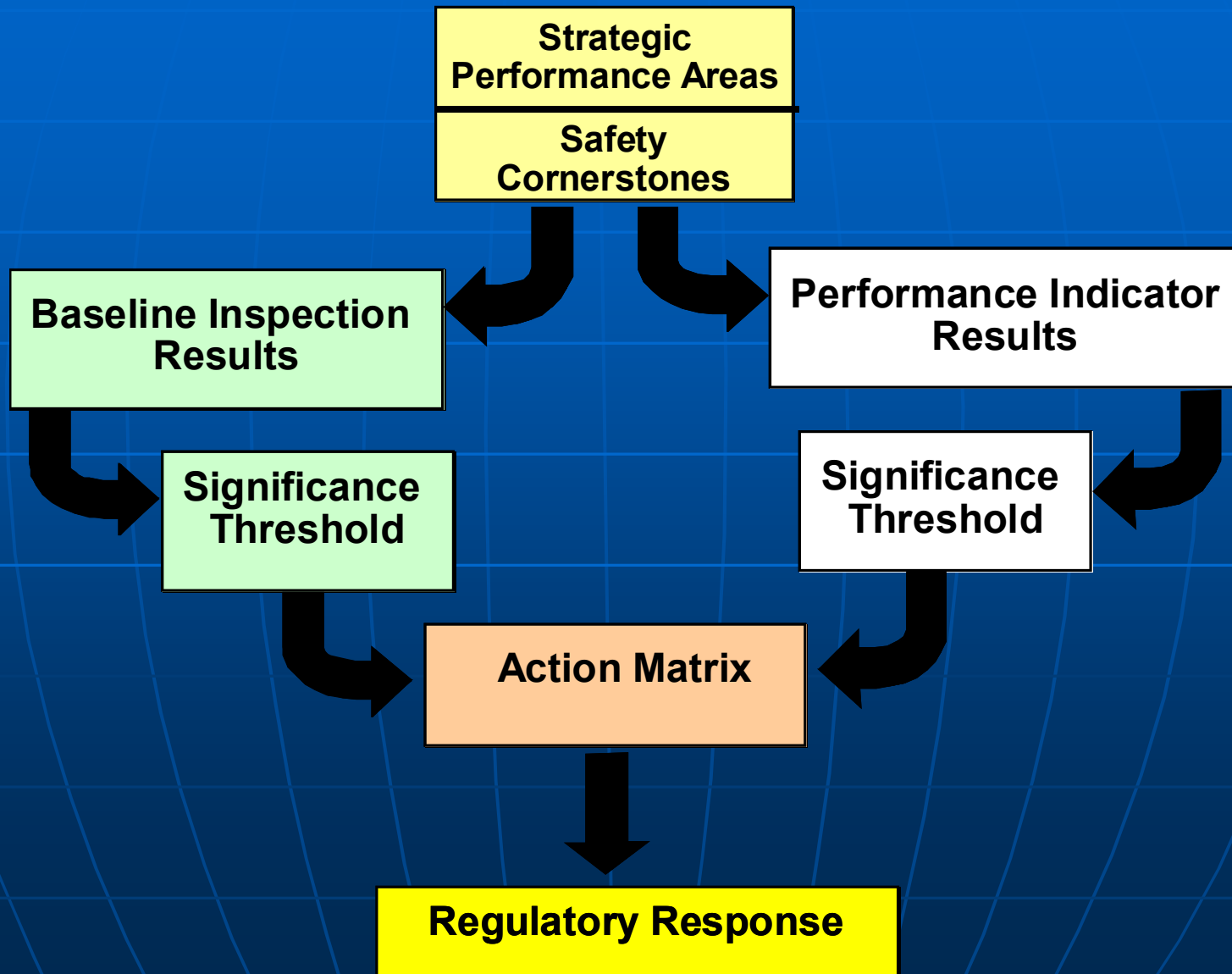
NRC Performance Goals

- 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

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
- 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

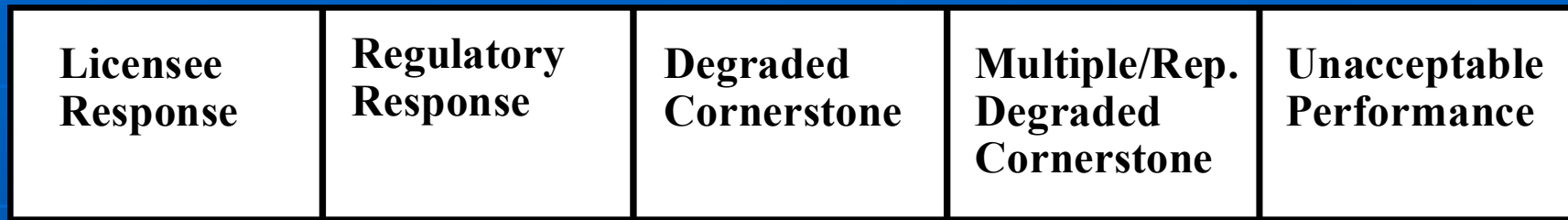
Performance Indicators

- 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	2
▶ Red	0

- Total Inspection Findings (CY 2007)

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

Watts Bar Nuclear Plant Assessment Results

(Jan 1 - Dec 31, 2007)

- Watts Bar'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.

Watts Bar Nuclear Plant Inspection Activities

(Jan 1 - Dec 31, 2007)

- 4,734 hours of inspection related activities
- Biennial problem identification and resolution inspection
- Heat sink inspections
- Component Design Basis Inspection
- Modification inspection
- Radiation protection inspections
- Resident inspector daily inspections
- Triennial fire protection inspection

Watts Bar Nuclear Plant Inspection Activities

(Jan 1 - Dec 31, 2008)

- Licensed Operator Initial Examination Inspection
- Licensed Operator Requalification Examination Inspection
- Radiation protection inspections
- Emergency Plan Inspection
- Resident inspector daily inspections
- TI-172 Reactor Coolant System Dissimilar Butt Welds Inspection

Watts Bar Nuclear Plant Annual Assessment Summary

January 1 - December 31, 2007

- TVA operated Watts Bar in a manner that preserved public health and safety.
- All cornerstone objectives were met.
- NRC plans baseline inspections at Watts Bar Unit 1 for the remainder of CY 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
 - ▶ www.nrc.gov
 - ▶ Select “About NRC” 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)