Watts Bar Nuclear Plant
Annual Assessment Meeting

Reactor Oversight Process - CY 2003

Nuclear Regulatory Commission - Region II
April 9, 2004

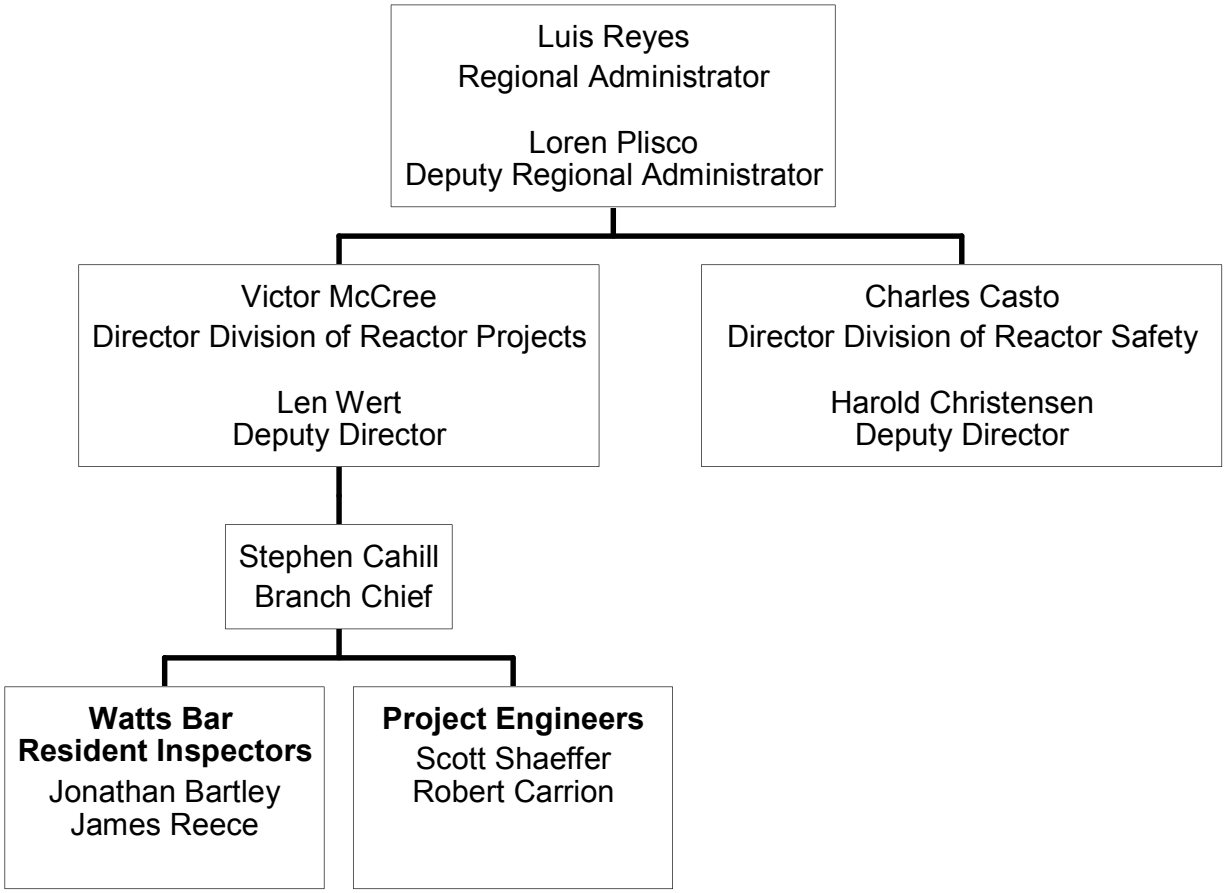
Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance discussed in the annual assessment letter
- Licensee can 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 Watts Bar Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

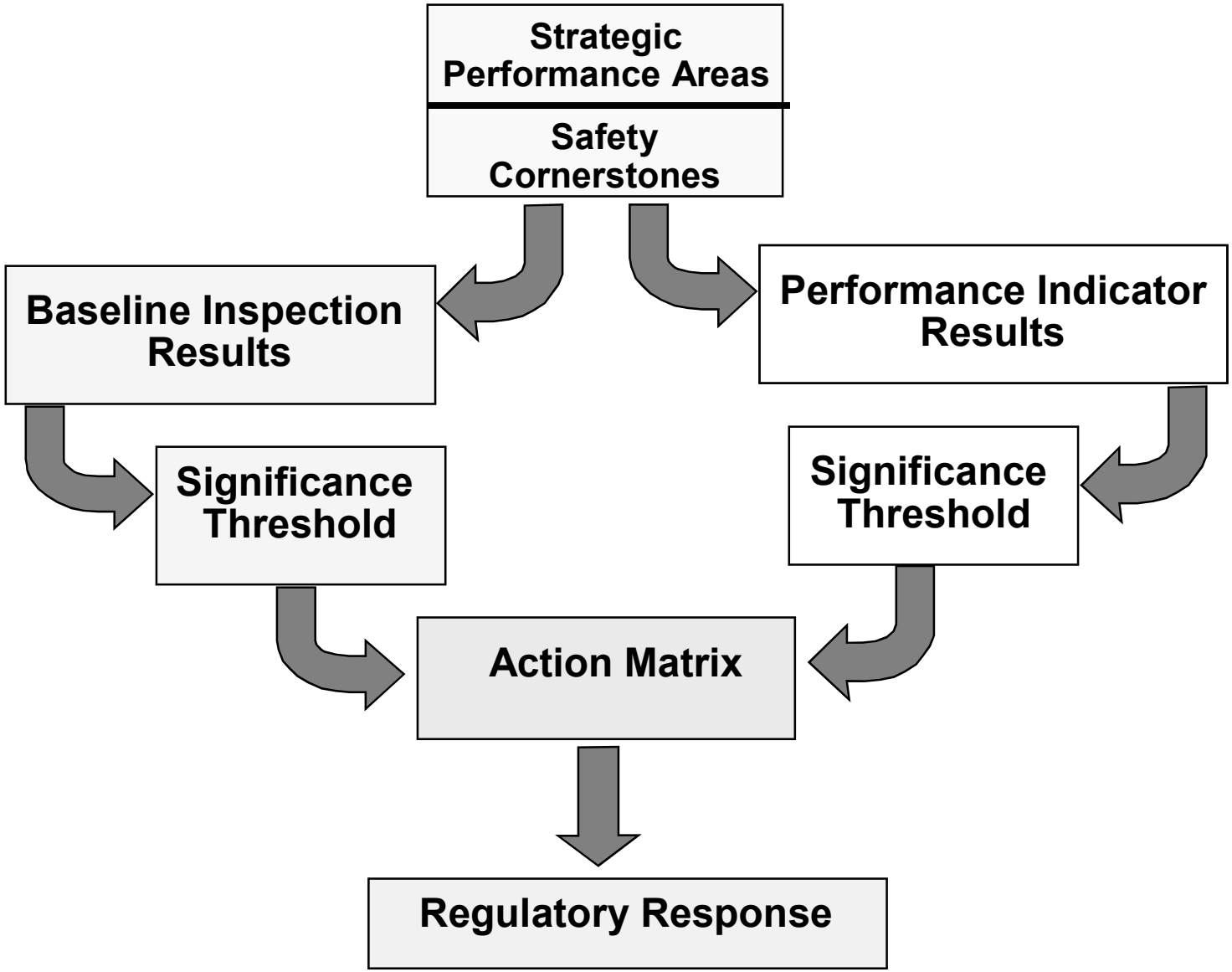
Region II Organization



NRC Performance Goals

- Maintain safety and protect the environment
- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

Reactor Oversight Process



Examples of Baseline Inspections

- Equipment Alignment ~92 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~100 hrs every 2 yrs
- Worker Radiation Protection ~100 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Performance Threshold

Safety Significance

Green: Very Low safety issue
White: Low to moderate safety issue
Yellow: Substantial safety issue
Red: High safety issue

NRC Inspection Efforts

Green: Only Baseline Inspection

White: May increase NRC oversight

Yellow: Increased NRC oversight

Red: Increased NRC oversight and other NRC actions

National Summary

- Performance Indicator Results (at end of CY 2003)
  - **Green** 1825
  - **White** 15
  - **Yellow** 0
  - **Red** 0

- Total Inspection Findings (CY 2003)
  - **Green** 748
  - **White** 9
  - **Yellow** 2
  - **Red** 1

National Summary of Plant Performance

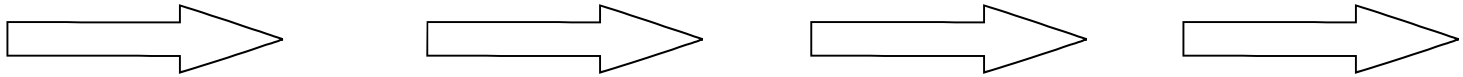
Status at End of CY 2003

Licensee Response	75
Regulatory Response	22
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
Total Units	102*

*Davis-Besse is under a special restart oversight process

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

Watts Bar Nuclear Plant
2003 Inspection Activities

Approximately 4000 hours of inspection related activities includes resident inspectors plus:

- Engineering modification and design inspection
- Emergency preparedness exercise inspection
- Security inspections
- Radiation protection inspections
- Problem Identification and Resolution Program
- Reactor pressure vessel lower penetration inspection
- Refueling outage and reactor head penetration inspection
- Unit 2 System Lay-Up inspection

Watts Bar Nuclear Plant Assessment Results

(Jan 1 - Dec 31, 2003)

- Plant performance was within the Licensee Response Column of the NRC's Action Matrix
- All inspection findings were classified as very low safety significance (Green)
- All PIs were Green

Watts Bar Nuclear Plant
Annual Assessment Summary

January 1- December 31, 2003

- TVA operated Watts Bar Nuclear Plant in a manner that preserved public health and safety
- All cornerstone objectives were met

Watts Bar Nuclear Plant
2004 Inspection Activities

- NRC plans normal baseline inspections at Watts Bar for the remainder of the assessment period

Additional planned inspections (outside ROP):

- Reactor containment sump blockage inspection
- Unit 2 Lay-Up inspection

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Annual Assessment Meeting

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Licensee Response and Remarks

William Lagergren
Site Vice President, Watts Bar Nuclear Plant
TVA

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)