

NRC CY 2005 Annual Assessment Meeting

WATTS BAR



Spring City, TN

April 4, 2006

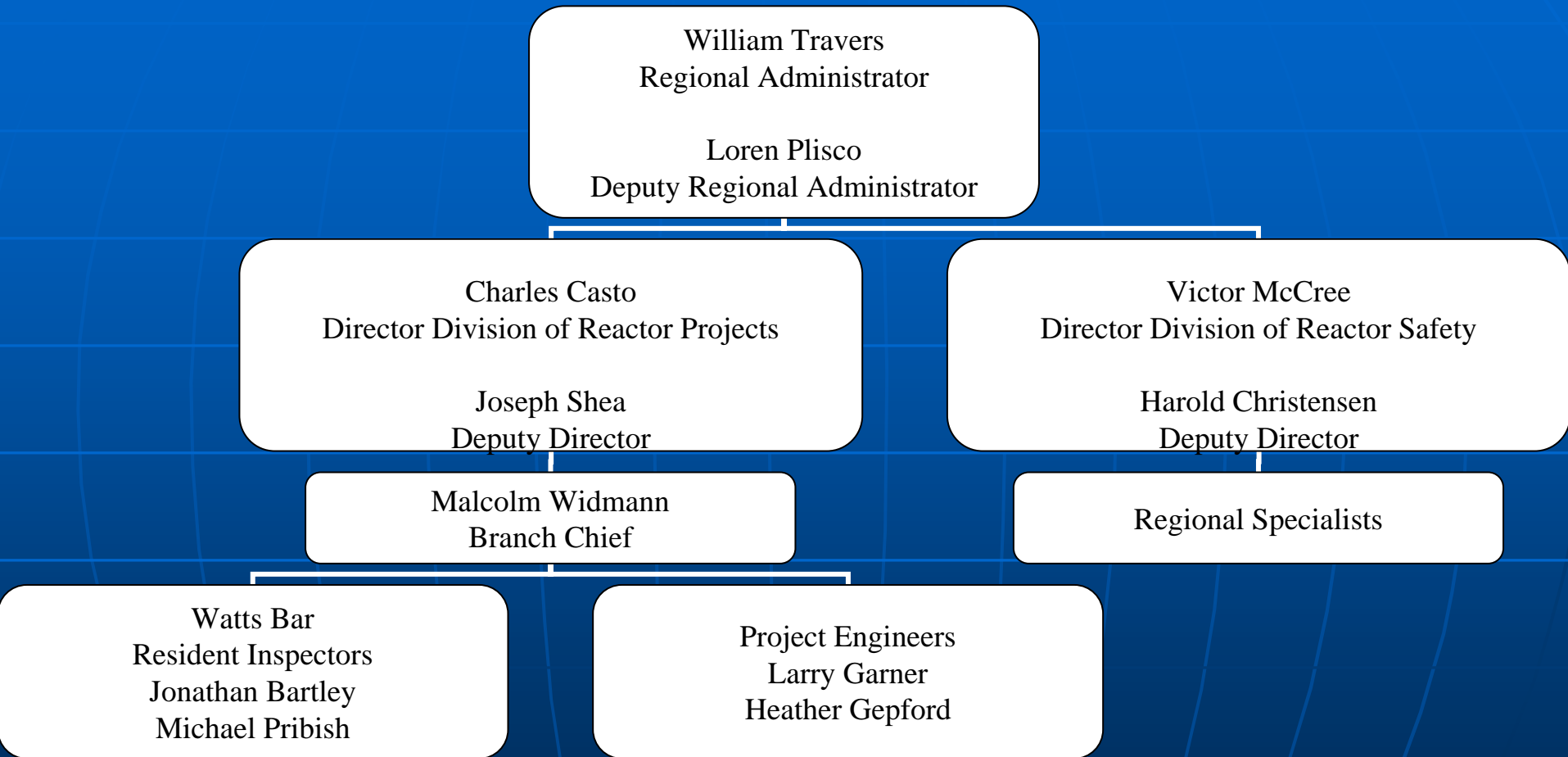
Purpose of Today's Meeting

- A public forum for discussion of Watts Bar performance
- NRC will address Watts Bar performance issues identified in the annual assessment letter
- Watts Bar management 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 Watts Bar Plant Performance Results
- Watts Bar Management Response and Remarks
- NRC Closing Remarks
- Break
- NRC Available to Address Public Questions

Region II Organization



NRC Performance Goals

PRIMARY GOALS

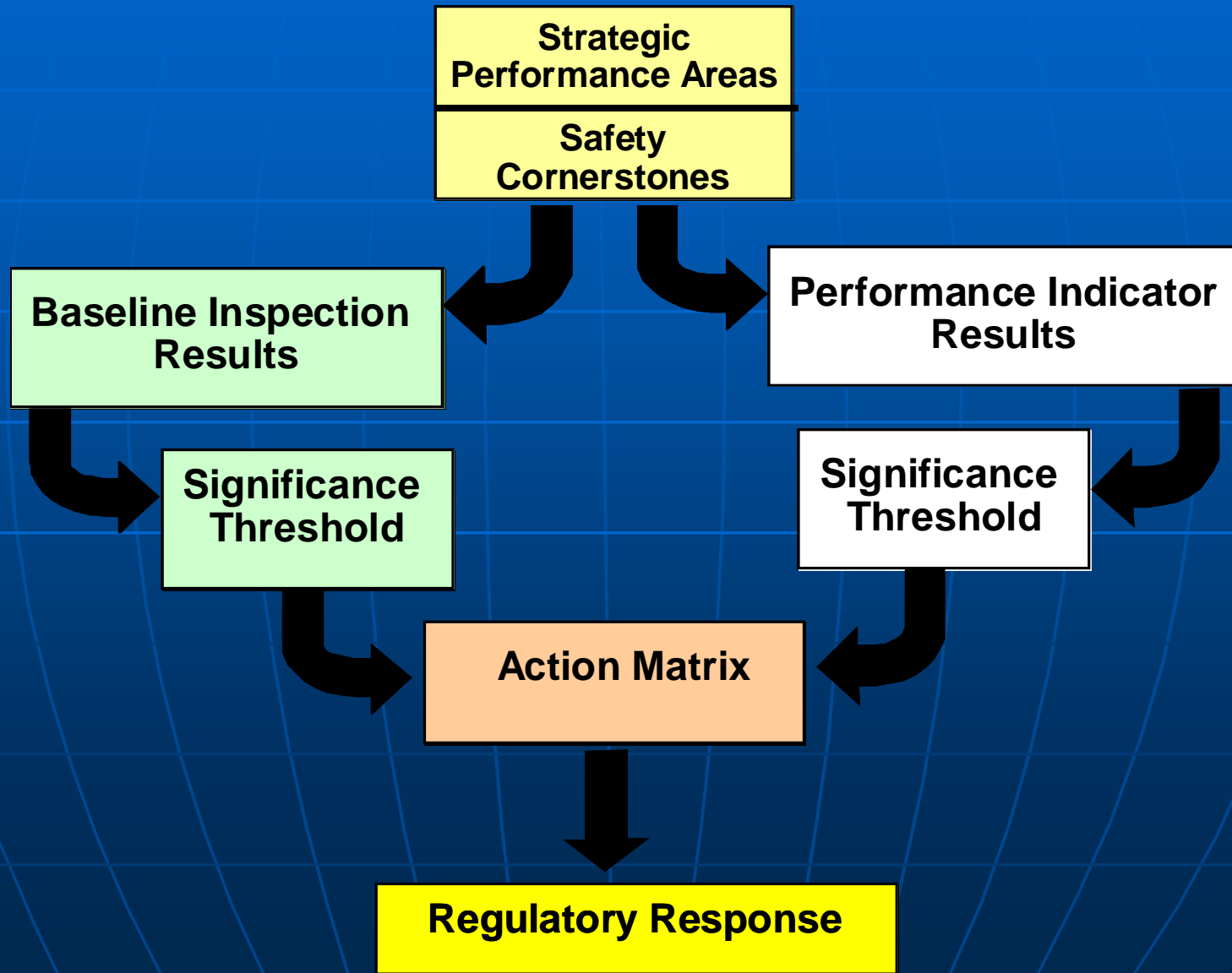
**Ensure protection of the public health and safety
and the environment**

**Ensure the secure use and management of
radioactive materials**

OTHER GOALS

- **Ensure openness in NRC regulatory process**
- **Ensure that NRC actions are effective, efficient, realistic, and timely**
- **Ensure excellence in NRC management to carry out the NRC's 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

Performance Thresholds

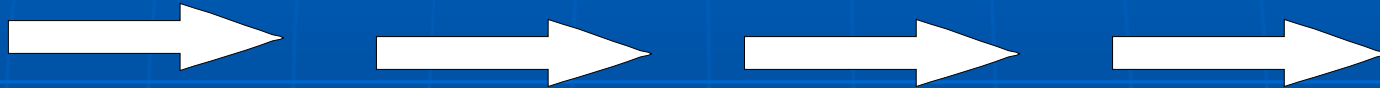
Safety Significance

- 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 Inspections
- White:** May increase NRC oversight
- Yellow:** Increased NRC oversight
- Red:** Increased NRC oversight and other NRC actions

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 2005

Licensee Response	84
Regulatory Response	12
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
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Total	103

Watts Bar CY2005 Inspection Activities

2987 hours of inspection related activities

- Resident inspector daily inspections
- Problem identification and resolution inspection
- Maintenance inspections
- Radiation protection inspections
- Engineering modifications inspection
- Safety system design and performance inspection
- Supplemental Inspection for White Finding
- Emergency preparedness inspection

Watts Bar CY 2005 Assessment Results

- Watts Bar performance at the end of the assessment year was within the Licensee Response Column of the NRC's Action Matrix
- All finalized inspection findings for CY 2005 were classified as very low safety significance (Green)
- All performance indicators (PI) for CY 2005 were Green

CY 2005 Assessment Results Cont'd

- Watts Bar performance for the first three quarters was in the Regulatory Response Column of the NRC's Action Matrix due a White Finding identified in the fourth quarter of CY 2004
- White Finding was in the Mitigating Systems Cornerstone and involved silting in the raw water cooling system

CY 2005 Assessment Results Cont'd

- Supplemental Inspection conducted in July 2005 determined corrective actions were thorough and appropriate
- November 22, 2005 Regulatory Performance Meeting reviewed licensee actions
- White Finding closed after four quarters

CY 2005 Assessment Results Cont'd

- Substantive cross-cutting human performance issue identified during mid-cycle assessment in the Mitigating Systems and Barrier Integrity Cornerstones
- Common performance deficiency of failure to implement procedures

CY 2005 Assessment Results Cont'd

- Licensee presented corrective actions to Region II management during two meetings
- Routine daily PI&R reviews and planned annual samples to focus on human performance issues

CY 2005 Assessment Results Cont'd

- Inspection activities and reviews determined that the licensee adequately addressed the substantive cross-cutting issue as demonstrated by performance trends, low number of subsequent findings and ongoing corrective actions such as the TVA Human Performance Improvement Plan
- The substantive cross-cutting issue was closed by NRC letter dated March 2, 2006

Watts Bar Assessment Summary

- 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 for the remainder of CY 2006

Watts Bar CY2006 Scheduled Inspection Activities

- Resident inspector daily inspections
- Radiation protection inspections
- Licensed operator requalification inspection
- Reactor operator initial exam
- Emergency preparedness inspections
- Maintenance inspections
- Steam Generator replacement inspection
- Unit 2 – lay-up and preservation

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)

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Watts Bar Attendance List

April 4, 2006

Licensee Personnel

- Jay Laughlin, TVA
- Mike Skaggs, TVA
- Joe Frisco, TVA
- Paul Pace, TVA
- Brian Thomas, TVA
- Jim Young, TVA
- Barry Marks, TVA
- Maureen Brown, TVA

NRC Personnel

- Malcolm Widmann, DRP
- Jonathan Bartley, DRP
- Ken Clark, DRP

Public Attendees

- Betty Hamby, EMA
- Tony Finnell, EMA