

**NRC CY 2005
Annual Assessment Meeting**

BROWNS FERRY NUCLEAR PLANT



**Athens, Alabama
May 2, 2006**

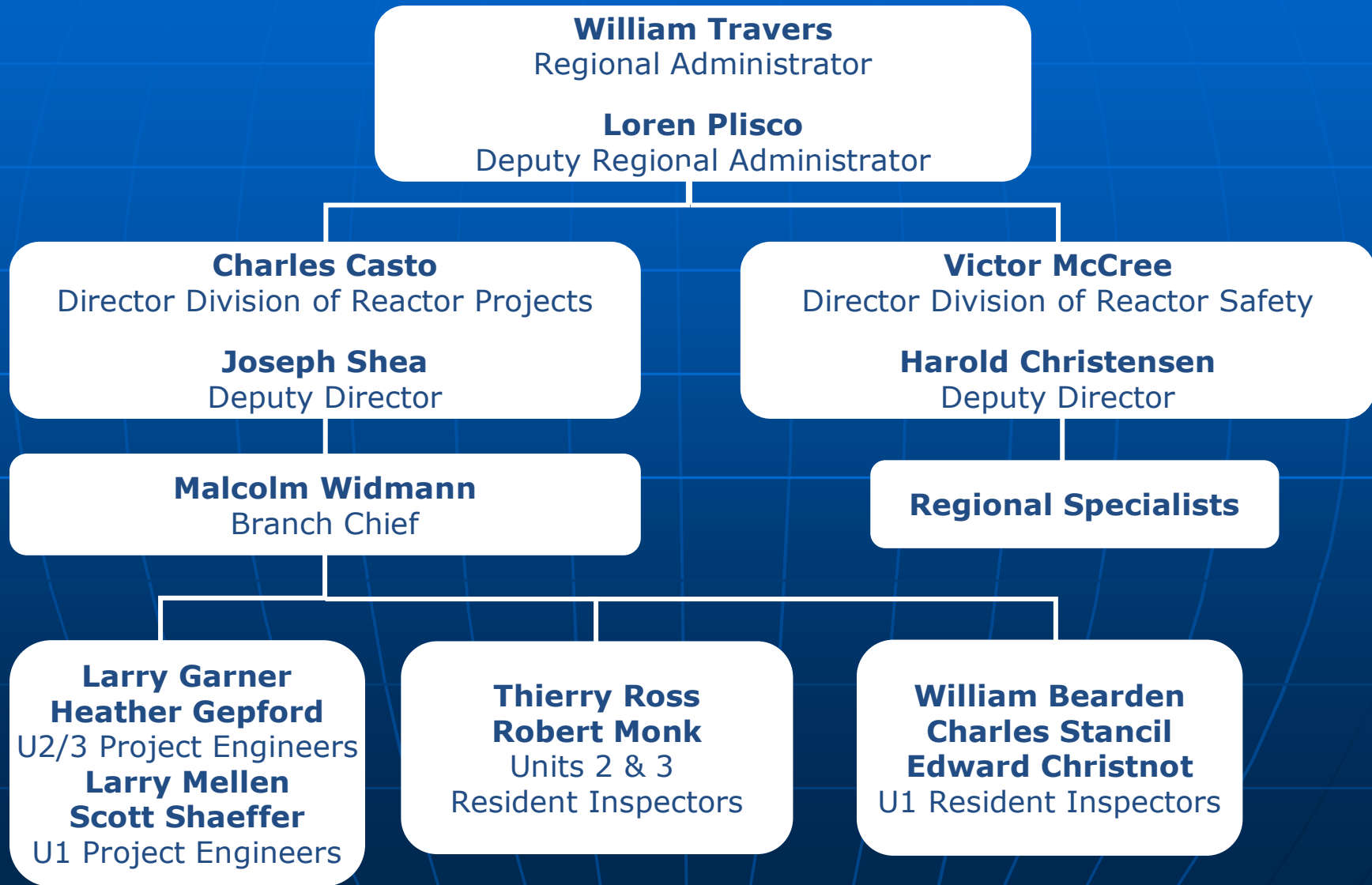
Purpose of Today's Meeting

- A public forum for discussion of the performance of the operating Browns Ferry units
- NRC will address Browns Ferry performance issues identified in the annual assessment letter
- Browns Ferry 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
- Reactor Oversight Process
 - Review
 - National Summary of Plant Performance
- Browns Ferry's Plant Performance Results
- Remarks
 - Browns Ferry Management Response and Remarks
 - NRC Closing Remarks
- Break
- NRC Available to Address Public Questions

Region II Organization



NRC Performance Goals

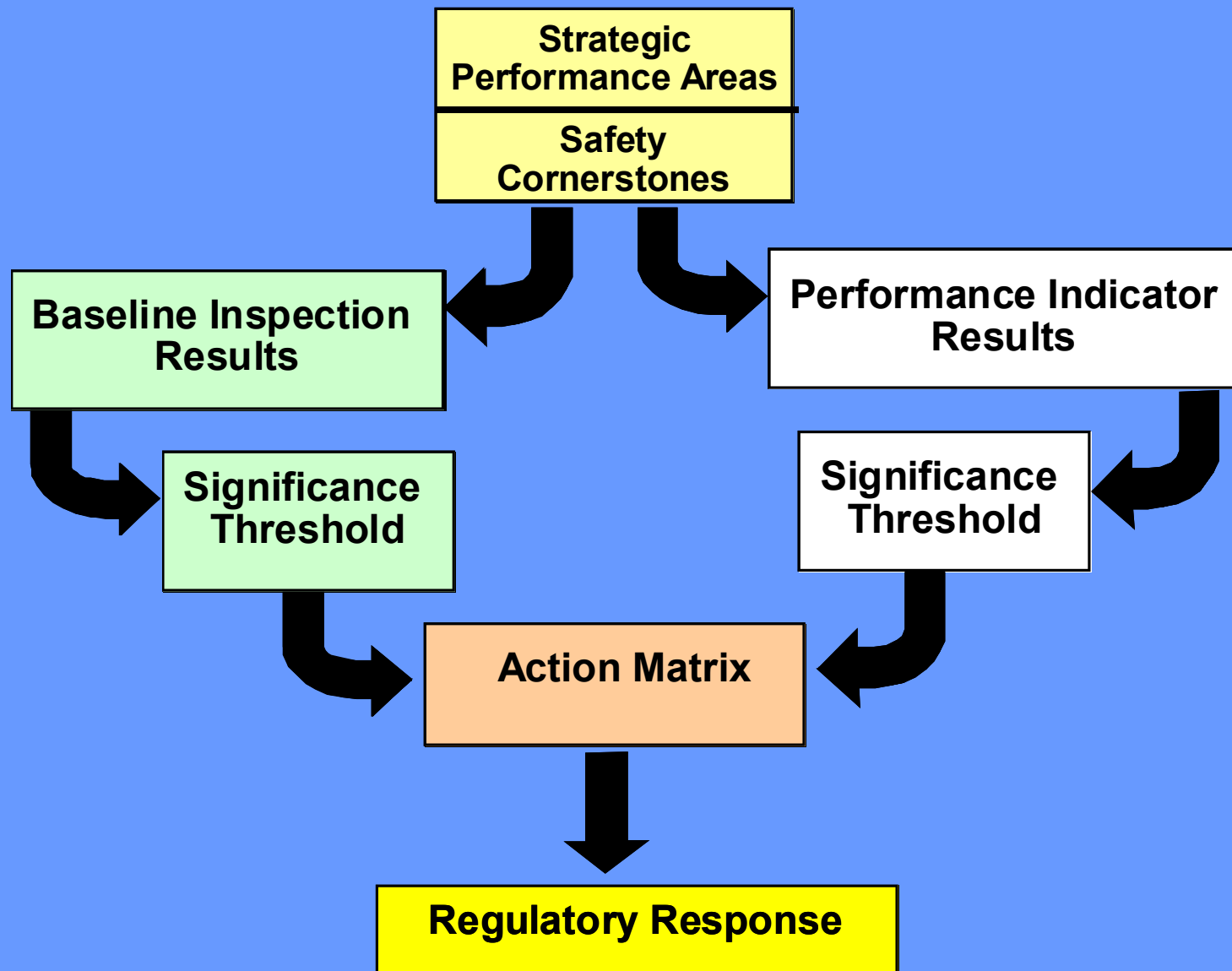
PRIMARY GOALS

- **Ensure protection of 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 /3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs /2 yrs
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs /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

Browns Ferry CY 2005 Inspection Activities

10,900 hours of inspection related activities, including:

- Radiation Protection inspections
- Emergency Preparedness inspections
- Problem Identification and Resolution inspection
- Safety System Design and Performance inspection
- Reactor Operator Requalification inspection
- U2 refueling outage related inspections including in-service inspections
- ISFSI “dry run” inspection
- Unit 1 Recovery Project Inspections (over half)

Browns Ferry Unit 1

ROP Transition

- In calendar year 2004, the NRC determined that the Unit 1 ROP transition criteria was met for the Occupational Radiation Safety, Public Radiation Safety, Emergency Preparedness, and Physical Protection Cornerstones.
- NRC inspections for Unit 1 in these areas were performed under the ROP during the CY 2005 assessment cycle in conjunction with Units 2 and 3 inspections.

Browns Ferry CY 2005 Assessment Results

- Browns Ferry's performance was within the Licensee Response Column of the NRC's Action Matrix
- All ROP inspection findings at Browns Ferry were classified as very low safety significance (Green)
- All Browns Ferry performance indicators for Units 1 and 2 were Green

Browns Ferry Assessment Summary

- TVA operated Browns Ferry in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans routine baseline inspections at Browns Ferry Units 2 and 3 and in the applicable cornerstones at U1 for the remainder of CY 2006

Browns Ferry CY 2006

Scheduled Inspection Activities

- Resident inspector baseline inspections
- Radiation Protection inspections
- Emergency Preparedness inspections
- Triennial Fire Protection inspection
- Reactor Operator Initial inspection
- Component Design Bases inspection
- U3 Refueling Outage, including in-service inspection
- Heat sink inspection
- Modifications inspection
- ISFSI inspections
- Unit 1 Recovery Project inspections

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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)