

NRC CY2004

Annual Assessment Meeting

Browns Ferry Nuclear Plant – Units 2/3



Athens, AL
May 24, 2005

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
- Does not include any Unit 1 Recovery Project Assessment – July 20, 2005 public status meeting planned in NRC Region II office in Atlanta, GA

Agenda

- Introduction
- Review of Reactor Oversight Process (ROP)
- National Summary of Plant Performance
- Discussion of Browns Ferry Plant Performance Results
- Browns Ferry Management Response and Remarks
- NRC Closing Remarks
- Break
- NRC Available to Address Public Questions

Region II Organization

William Travers
Regional Administrator

Loren Plisco
Deputy Regional Administrator

Charles Casto
Director Division of Reactor Projects

Anne Boland
Acting Deputy Director

Victor McCree
Director Division of Reactor Safety

Harold Christensen
Deputy Director

Stephen Cahill
Branch Chief

Browns Ferry
Resident Inspectors
Thierry Ross
William Bearden (Unit 1)
Robert Monk
Edward Christnot

Project Engineers
Scott Shaeffer
Robert Carrion
Michael Pribish

NRC Performance Goals

PRIMARY GOALS

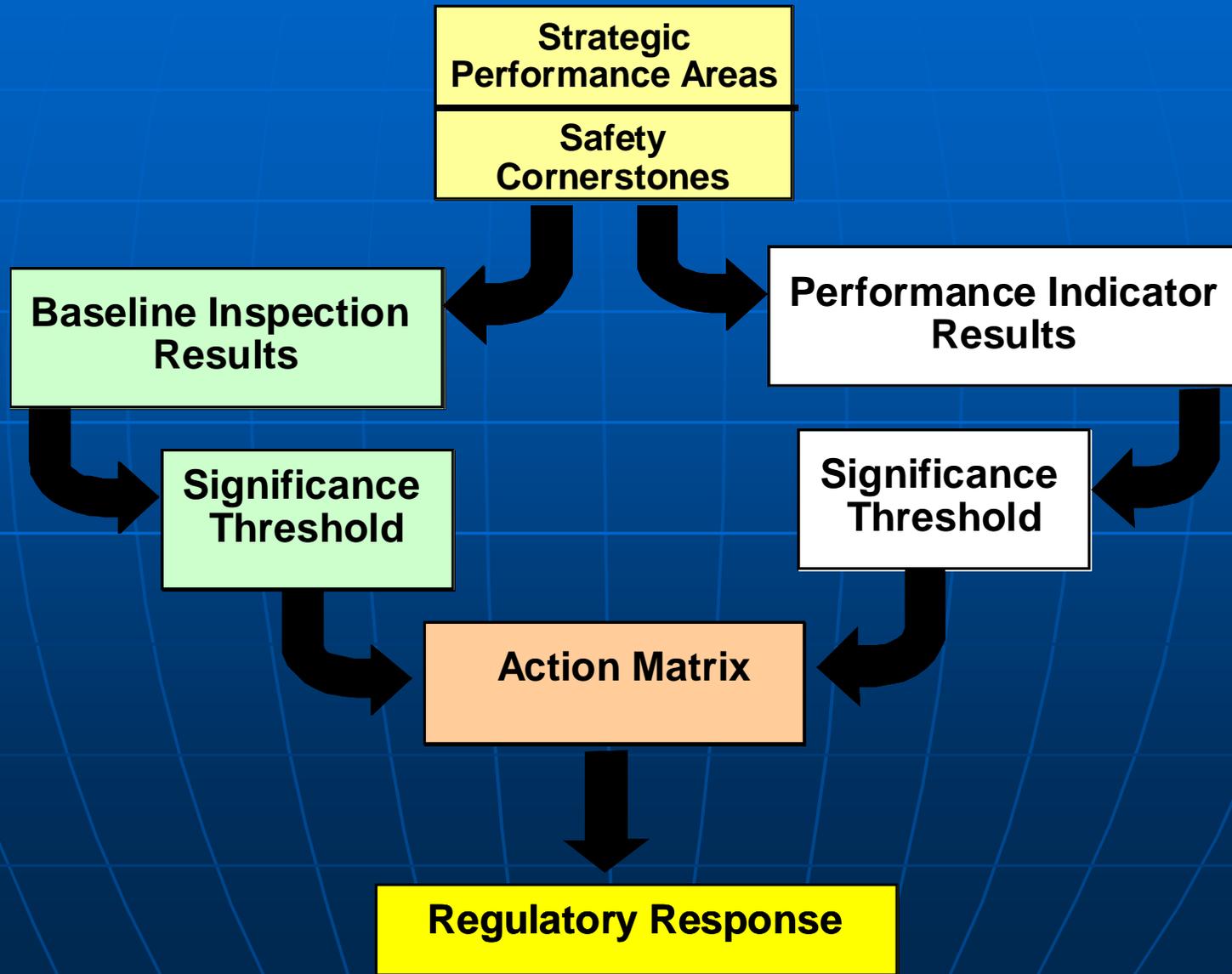
**Ensure protection of the public health and safety
and the environment**

**Enhance 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 ~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 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 2004

Licensee Response	78
Regulatory Response	21
Degraded Cornerstone	0
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<hr/> Total	102*

*Davis-Besse is under a special inspection process

Browns Ferry CY2004

Inspection Activities

9000 hours of inspection related activities, including:

- Licensed operator requalification inspection
- Radiation protection inspections
- Engineering modification inspection
- ISFSI pre-operational inspections
- Emergency preparedness inspections
- Heat sink performance inspection
- License renewal inspection
- Unit 1 Recovery Project Inspections (large contribution – over half)

Browns Ferry

CY2004 Assessment Results

- Unit 2 and 3 performance was within the Licensee Response Column of the NRC's Action Matrix.
- All Unit 2 and 3 inspection findings were classified as very low safety significance (Green).
- All Unit 2 and 3 performance indicators were Green

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 will be performed under the ROP during the current assessment cycle in conjunction with Units 2 and 3 inspections.

Browns Ferry Annual Assessment Summary

- TVA operated Browns Ferry in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at Browns Ferry Units 2 and 3 for the remainder of CY 2005

Browns Ferry CY2005

Inspection Activities

- Resident inspector daily inspections
- Radiation protection inspections
- Emergency preparedness exercise inspections
- Problem identification and resolution inspection
- Safety system design and performance inspection
- ISFSI pre-operational inspection
- Unit 2 outage-related in-service inspections
- License renewal inspections
- Unit 1 Recovery Project Inspections

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Browns Ferry Management Response and Remarks

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)