

NRC CY2004 Annual Assessment Meeting

McGuire Nuclear Station



Huntersville, North Carolina
April 19, 2005

Purpose of Today's Meeting

- A public forum for discussion of McGuire's performance
- NRC will address McGuire's performance issues identified in the annual assessment letter
- McGuire 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 Plant Performance Results
- McGuire 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

Victor McCree
Director Division of Reactor Projects

Len Wert
Deputy Director

Michael Ernstes
Branch Chief

McGuire
Resident Inspectors
Joe Brady
Shakur Walker

Project Engineers
Robert Carroll
Brian Anderson

Charles Casto
Director Division of Reactor Safety

Harold Christensen
Deputy Director

Regional Specialists

NRC Performance Goals

PRIMARY GOALS

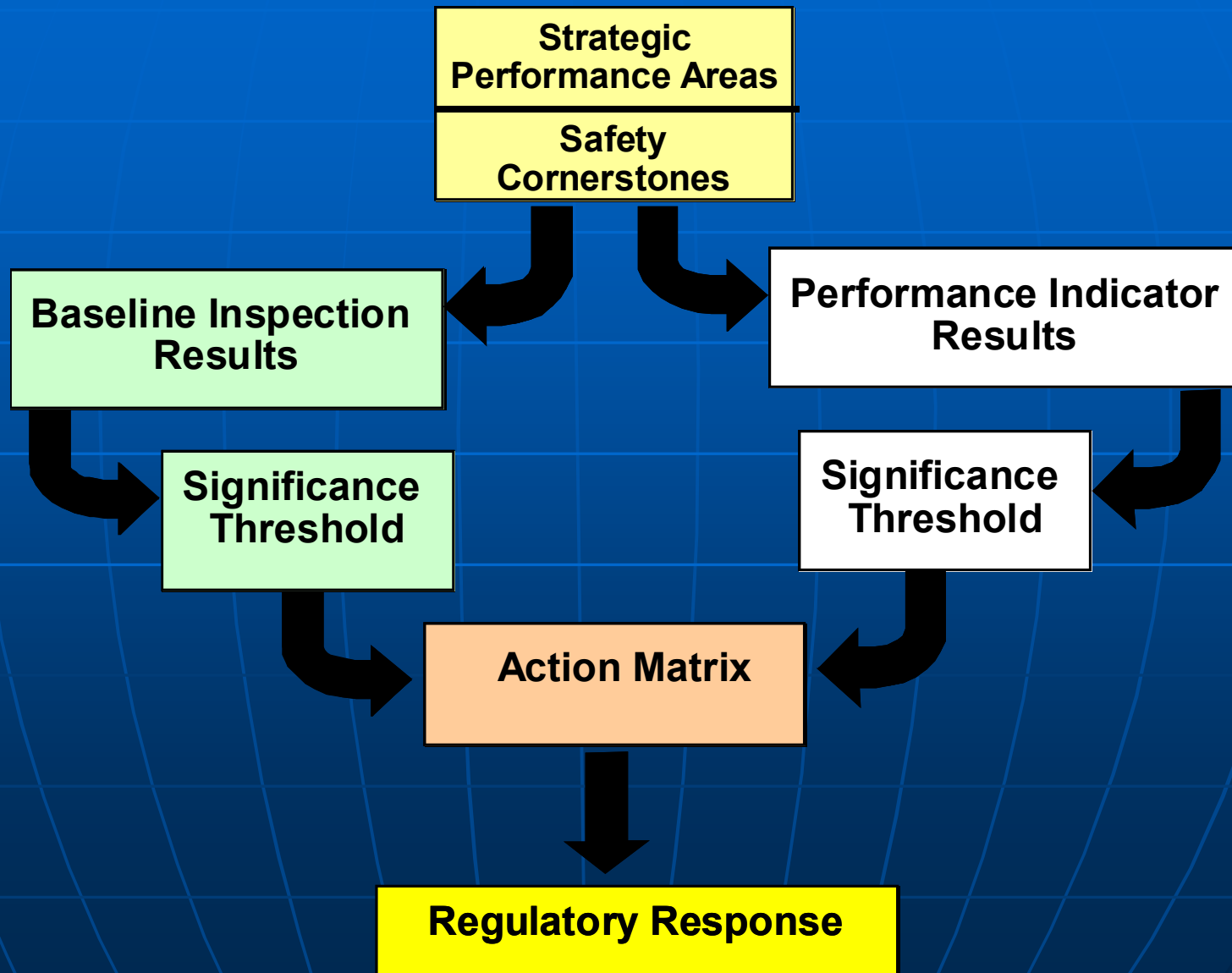
**Ensure protection of the public health and safety
and the environment**

**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 ~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

McGuire Nuclear Station

Inspection Activities

(Jan 1 - Dec 31, 2004)

- Approximately 4800 hours of inspection related activities
- Engineering and Maintenance Inspections (i.e. ISI and modifications)
- Emergency Preparedness Inspection
- Operator Licensing Exams and Requalification Inspection
- Radiation Protection Inspections
- Spent Fuel Material Control and Accounting Inspection
- Reactor Pressure Vessel Lower Head Inspection
- Reactor Containment Sump Blockage Inspection
- Problem Identification and Resolution Inspection

Performance Thresholds

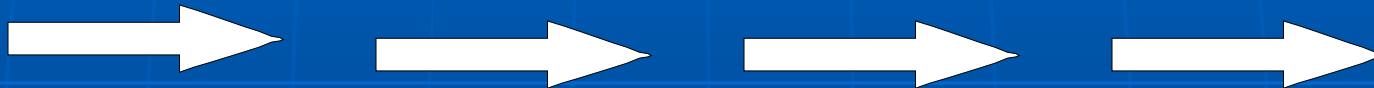
Safety Significance

- 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
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Total	102*

* Davis-Besse is under a special inspection process (IMC 0350)

McGuire Nuclear Station Assessment Results

(Jan 1 - Dec 31, 2004)

- 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 Performance Indicators were Green

McGuire Nuclear Station Annual Assessment Summary

(Jan 1 - Dec 31, 2004)

- Duke Energy operated McGuire Nuclear Station in a manner that preserved public health and safety
- All cornerstone objectives were met

McGuire Nuclear Station

Inspection Activities

(Jan 1 - Dec 31, 2005)

- Baseline Inspections
- Safety Issue Inspections of Pressurizer Penetration Nozzles and Steam Space Piping Connections
- ISFSI Inspection
- Operator Licensing Examinations

McGuire 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)